

WG Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R5s050136	34.123-3	1285		B	Rel-5	5.0.0	Addition of WI-012 NAS test case 9.4.5.4.6 to NAS ATS V5.0.0	TEI
R5s050170	34.123-3	1286		B	Rel-5	5.0.0	Addition of NAS P4 test case 12.4.1.4c Proc1 to NAS ATS V5.0.0	TEI
R5s050173	34.123-3	1287		B	Rel-5	5.0.0	Revision and Addition of WI-10 (P2) test cases 6.2.2.2 to IR_U ATS v5.0.0	TEI
R5s050179	34.123-3	1331		B	Rel-5	5.0.0	Revision of RRC WI-14 test case 8.2.3.30 to RRC ATS v5.0.0	TEI
R5s050199	34.123-3	1332		B	Rel-5	5.0.0	Addition of RRC WI-014 test case 8.2.4.36 to RRC ATS V5.0.0 (Revision of R5s050161)	TEI

Note: The current Tdoc is a revision of RP050280. R5s050197 & R5s050184 have been withdrawn due to problems found in the TC implementation.

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1270 # rev - # Current version: **5.0.0**

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 WI 12 test case 12.3.2.7 to NAS ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 01/04/05
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI 12 NAS test case 12.3.2.7 to the approved NAS ATS V5.0.0
Summary of change:	# This document lists all changes applied to test case 12.3.2.7 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	#														
Other specs affected:	#														
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td></td> <td>Other core specifications</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td></td> <td>Test specifications</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td></td> <td>O&M Specifications</td> </tr> </table>	Y	N	#	X		Other core specifications	#	X		Test specifications	#	X		O&M Specifications
Y	N														
#	X														
	Other core specifications														
#	X														
	Test specifications														
#	X														
	O&M Specifications														
Other comments:	#														

How to create CRs using this form:

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

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

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

Title: Changes to test case 12.3.2.7 required for approval
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose@anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 12.3.2.7, 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

1	Overview	3
2	Table of Contents	3
3	Verification Test Summary	4
4	Corrections required for test case 12.3.2.7	4
4.1	Introduction	4
4.2	Change 1	4
4.3	Change 2	5
4.4	Change 3	6
4.5	Change 4	7
4.6	Change 5	8
4.7	Change 6	8
	Branches executed in test case 12.3.2.7	10
5	Execution Log Files	10
5.1	Qualcomm 6250.....	10
5.2	Nokia 6630.....	10
6	References.....	10

3 Verification Test Summary

Test Case: tc_12_3_2_7
Test Group: GMM/Routing Area Update/Combined RAU
ATS Version: iWD-TVB2003-03_D05wk09 + essential modifications
System Simulator used: Anite 3G U-SAT
UE used: Qualcomm 6250, Nokia 6630
Verification Status: PASS

4 Corrections required for test case 12.3.2.7

4.1 Introduction

This section describes the changes required to make test case 12.3.2.7 run correctly with a 3G UE. The ATS version used as basis was NAS_wk09.mp, which is part of the iWD-TVB2003-03_D04wk09 release.

4.2 Change 1

Test step name tc_12_3_2_7 , line #1
Reason for change The guard timer needs to be increased to 20 minutes.
Summary of change Increased the guard timer from 300s to 20*60s.

Before change:

i	START_t_Guard(300)			
---	--------------------	--	--	--

After change:

i	START_t_Guard(20*60)			
---	----------------------	--	--	--

4.3 Change 2

Test step name *tc_12_3_2_7 , It_TestBodyContinue, line #31*

Reason for change As per 34.123-1 expected sequence Step 25 is only performed for non-auto attach UE. In the current TTCN implementation this is not taken care.

Summary of change Added a new local tree ***It_checkMode***.

Before change:

It_TestBodyContinue				
29		+It_PowerLevels_CellC_Step23		
30		+ts_RRC_ConnEst(tsc_CellC, est_Reg, registration)		
31		+ts_RegistrationOnCS2_HOpModeA(1, tsc_CellC)		
32		+It_Attach_Steps_27To29		

After change:

It_TestBodyContinue				
29		+It_PowerLevels_CellC_Step23		
30		+ts_RRC_ConnEst(tsc_CellC, est_Reg, registration)		
31		+It_checkMode		
32		+It_Attach_Steps_27To29		

New Local Test Step:

It_checkMode				
75		[(trv_UE_OpMode = opModeA) AND (pc_AutomaticAttachSwitchON= FALSE)]		
76		+ts_RegistrationOnCS2_IfOpModeA(tsc_CellC)		
77		+ts_RRC_ConnRel(tsc_CellC, cell_Dch)		
78		+ts_AT_TriggerGMM_Attach		trigger UE to initiate GMM Attach
79		+ts_RRC_ConnEst(tsc_CellC, est_Reg, registration)		Establish RRC connection
80		[TRUE]		

4.4 Change 3

Test step name *tc_12_3_2_7, It_Attach_Steps_50To59*

Reason for change This local tree contains test steps from 50 to 52. The name is misleading. It needs to be changed in the current TTCN.

Summary of change Renamed the local tree ***It_Attach_Steps_50To59*** as ***It_Attach_Steps_50To52***. Also, changed the call to the local tree accordingly.

Before change:

It_Attach_Steps_50To59				
50		Dc ? RRC_DataInd (tcv_Start = RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CelDedicated, tsc_RB3, cr_AttachReqTMSI_IfPresent(c_GMM_AttachTypeCombinedCS_PS, c_MobileIDTMSI_h, c_RAI_w(tcv_CellInfoC.mcc, tcv_CellInfoC.mnc, tcv_CellInfoC.lac, tcv_CellInfoC.rac), c_TMSI_StatusValid, tcv_PS_KeySeq))	Step 50. ATTACH REQUEST - Attach type is 'Combined PS / IMSI attach' - MobileID TMSI - RAI-6 cell C - TMSI status: valid or omit @sic EW T1-040350 sic@
39		+ts_GMM_TriggerPSRegistrationAndSwitchOn_NMO_I(tsc_CelIB)		step 48
40		+It_Attach_Steps_50To59		
41		+ts_CS_Paging_TMSI(tsc_CelIB, tcv_PagingCau)		Step 53

After change:

It_Attach_Steps_50To52				
61		Dc ? RRC_DataInd (tcv_Start = RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CelDedicated, tsc_RB3, cr_AttachReqTMSI_IfPresent(c_GMM_AttachTypeCombinedCS_PS, c_MobileIDTMSI_h, c_RAI_w(tcv_CellInfoC.mcc, tcv_CellInfoC.mnc, tcv_CellInfoC.lac, tcv_CellInfoC.rac), c_TMSI_StatusValid, tcv_PS_KeySeq))	Step 50. ATTACH REQUEST - Attach type is 'Combined PS / IMSI attach' - MobileID TMSI - RAI-6 cell C - TMSI status: valid or omit @sic EW T1-040350 sic@
39		+ts_GMM_TriggerPSRegistrationAndSwitchOn_NMO_I(tsc_CelIB)		step 48
40		+It_Attach_Steps_50To52		TTCN Change (rename to calltree)
41		+ts_CS_Paging_TMSI(tsc_CelIB, tcv_PagingCau)		Step 53

4.5 Change 4

Test step name *tc_12_3_2_7 , It_TestBodyContinue, line #42*

Reason for change In current TTCN implementation, for Steps 54 – 59 test step **ts_CS_PagingResp** is used. This test step pages UE for identity **c_MobileIdTMSI_Iv**, which is the default mobile identity. But, at Step 51, the UE is assigned **TMSI-2**. Hence, this test step cannot be used here. This needs to be handled in TTCN.

Summary of change Created a new test step **ts_CS_PagingResp_TMSI2** and used it in place of **ts_CS_PagingResp**.

Before change:

41		+ts_CS_Paging_TMSI (tsc_CellB, tcv_PagingCau)		Step 53
42		+ts_CS_PagingResp (tsc_CellB, tcv_EstCause)		Step 54-59
43		+ts_PS_Paging_PTMSI (tsc_CellB, tcv_RRC_PagingCau)		Step 60

After change:

41		+ts_CS_Paging_TMSI (tsc_CellB, tcv_PagingCau)		Step 53
42		+ts_CS_PagingResp_TMSI2 (tsc_CellB, tcv_EstCause)		Step 54-59 TTCN Change (New test step)
43		+ts_PS_Paging_PTMSI (tsc_CellB, tcv_RRC_PagingCau)		Step 60

New Test Step:

Test Step					
Test Step Id:	ts_CS_PagingResp_TMSI2 (p_CellId : INTEGER, p_EstCause : EstablishmentCause)				
Test Step Group Ref:	GMM_InternalSteps/				
Objective:	Verify that the UE answers a paging for CS services and then release the RRC connection.				
Defaults:	NAS_OtherwiseFail				
Comments:	The Establishment Cause passed as a parameter is checked.				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ts_RRC_ConnEst (p_CellId, est_MT, p_EstCause)			@sic EW CR T1-031833 sic@
2		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_InitDirectTransfer (tsc_CellDedicated, tsc_RB3, c_PagResp (tcv_CS_KeySeq, c_MobileIdTMSI2_M))		PAGING RESPONSE - MobileId = TMSI @sic EW CR T1-031833 sic@ NEW test step
3		+ts_SS_SecurityDownloadStart (cs_domain, tcv_Start)			@sic VB T1 031936 sic@
4		+ts_MM_Authentication (p_CellId)			@sic EW CR T1-031833 sic@
5		+ts_RRC_Security (p_CellId, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, cs_domain)			@sic EW CR T1-031833 sic@
6		+ts_RRC_ConnRel (p_CellId, cell_Dch)			@sic OLAF CR T1-031930 sic@

4.6 Change 5

Test step name *tc_12_3_2_7, It_Detach_Steps_7To8*

- Reason for change
- 1) Since at step 7 the DETACH REQ is sent on the same RRC Connection on which earlier registration was performed, **ca_PS_DataReq** should be used for DETACH REQUEST at Step 7. Also, instead of ca_PS_DataReq, **car_PS_UplinkDirectTransfer** needs to be used for DETACH ACCEPT message. This needs to be handled in TTCN.
 - 2) According to 24.008 Sec 4.7.4.2.2, the UE should delete GPRS ciphering key for the cause "Roaming not allowed in this location area". This needs to be handled in TTCN.
- Summary of change
- 1) Instead of **car_PS_UplinkDirectTransfer**, use **ca_PS_DataReq** for DETACH REQ. at Step 7. Also, instead of **ca_PS_DataReq**, use **car_PS_UplinkDirectTransfer** for DETACH ACCEPT message.
 - 2) Assigned (tcv_PS_KeySeq := '111'B) after DETACH ACCEPT message.

Before change:

It_Detach_Steps_7To8			
51	Dc1 RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cs_DetachReqMT_2 (c_DetachTypeReAttNotRequired, c_GMM_Cause_N ('0001101'B)))	Step 7. DETACH REQUEST - Detach type = 're-attach not required' - Cause is 'Roaming not allowed in this Location Area' @sic VB similar error as in T1s040016 clause 4.2.2 sic@
52	Dc1 RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cr_DetachAcc)	Step 8. DETACH ACCEPT @sic VB similar error as in T1s040016 clause 4.2.2 sic@
53	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)		

After change:

It_Detach_Steps_7To8			
51	Dc1 RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_DetachReqMT_2 (c_DetachTypeReAttNotRequired, c_GMM_Cause_N ('0001101'B)))	Step 7. DETACH REQUEST - Detach type = 're-attach not required' - Cause is 'Roaming not allowed in this Location Area' @sic VB similar error as in T1s040016 clause 4.2.2 sic@ TTCN Change
52	Dc1 RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_DetachAcc)	Step 8. DETACH ACCEPT @sic VB similar error as in T1s040016 clause 4.2.2 sic@ TTCN Change
53	(tcv_PS_KeySeq := '111'B)		TTCN Change
54	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)		

4.7 Change 6

Test step name *tc_12_3_2_7, It_Attach_Steps_27To29 line #57*

Reason for change According to 24.008 Sec 4.1.1.1.1, the UE will not accept ATTACH

Summary of change ACCEPT message until it is Integrity Protected.
 After the ATTACH REQ., called test step **ts_GMM_AuthenticateAndStartIntegrityProtection** before ATTACH ACCEPT message.

Before change:

55		+ ts_SS_SecurityDownloadStart (ps_domain, tvv_Start)		
56		+ ts_RRC_Security (tsc_CellC, tvv_PS_AuthCK, tvv_PS_AuthNK, tvv_AuthKzGSM, FALSE, ps_domain)		
57		<pre> Dc RRC_DataReq (tvv_AssignedPTMSI := px_PTMSI_Def, tvv_Assigned_PTMSI_Sig := px_PTMSI_SigDef, tvv_AssignedTMSI := px_TMSI_Def) </pre>	<pre> ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AttachAcc(c_GMM_AttachResultCombinedCS_PS, c_RAI_v(tvv_CellInfoC.mnc, tvv_CellInfoC.mcc, tvv_CellInfoC.jac, tvv_CellInfoC.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIDPTMSI (px_PTMSI_Def), c_GMM_MobileIDTMSI(px_TMSI_Def))) </pre>	<p>Step 28. ATTACH ACCEPT</p> <ul style="list-style-type: none"> - Attach result is 'PSICS attached' - RAI of cell A - P-TMSI-2 - P-TMSI signature 2 - TMSI-2

After change:

56		+ ts_SS_SecurityDownloadStart (ps_domain, tvv_Start)		
57		+ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellC)		TTCN Change
58		<pre> Dc RRC_DataReq (tvv_AssignedPTMSI := px_PTMSI_Def, tvv_Assigned_PTMSI_Sig := px_PTMSI_SigDef, tvv_AssignedTMSI := px_TMSI_Def) </pre>	<pre> ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AttachAcc(c_GMM_AttachResultCombinedCS_PS, c_RAI_v(tvv_CellInfoC.mnc, tvv_CellInfoC.mcc, tvv_CellInfoC.jac, tvv_CellInfoC.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIDPTMSI (px_PTMSI_Def), c_GMM_MobileIDTMSI(px_TMSI_Def))) </pre>	<p>Step 28. ATTACH ACCEPT</p> <ul style="list-style-type: none"> - Attach result is 'PSICS attached' - RAI of cell A - P-TMSI-2 - P-TMSI signature 2 - TMSI-1

Branches executed in test case 12.3.2.7

The test case implementation executed the combined CS/PS branch with integrity activated and ciphering disabled.

5 Execution Log Files

5.1 Qualcomm 6250

The Qualcomm 6250 passed this test case on the Anite 3G U-SAT system with Auto Attach enabled. The documentation below is enclosed as evidence of the successful test case run [1]:

➤ **Test Case Execution log file tc_12_3_2_7_Qualcomm-log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

5.2 Nokia 6630

The Nokia 6630 passed this test case on the Anite 3G U-SAT system with Auto Attach disabled. The documentation below is enclosed as evidence of the successful test case run [1]:

➤ **Test Case Execution log file tc_12_3_2_7_Nokia-log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

6 References

- [1] **R5s050129:** This archive comprises text format execution log file and the TTCN MP file.

CR-Form-v7
CHANGE REQUEST
34.123-3 CR 1271 # rev - # Current version: 5.0.0

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 WI-012 NAS test case 12.9.7a to NAS ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 29/03/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI -012 NAS test case 12.9.7a to the approved NAS ATS V5.0.0.
Summary of change:	# This document lists all changes applied to test case 12.9.7a required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N	#	X		X		X
Y	N								
#	X								
	X								
	X								
Other comments:	#								

How to create CRs using this form:

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

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

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

Title: Changes to test case 12.9.7a required for approval
Source: Rohde & Schwarz
Agenda Item: TTCN Issues
Document for: Approval
Contact: Paul Hawkins
paul.hawkins@rsuk.rohde-schwarz.com
Tel. +44 1252 666 227

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 12.9.7a, 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 12.9.7a	2
4.1	Introduction	2
4.2	It_Steps_8To17 (WA#NAS4715)	2
4.3	It_Steps_8To17 (WA#NAS4716)	3
4.4	It_Steps_8To17 (WA#NAS4717)	3
4.5	tc_12_9_7a (WA#NAS4718)	3
4.6	It_Steps_19To21 (WA#NAS4719)	4
4.7	ts_AT_TriggerUplinkData (WA#NAS4720)	4
4.8	It_Steps_19To21 (WA#NAS4721)	4
5	Branches executed in test case 12.9.7a	5
6	Execution Log Files	5
6.1	Ericsson 3G UE	5
7	References	5

3 Verification Test Summary

Test Case: TC_12_9_7a
Test Group: GMM\ServiceRequest_procedures
ATS Version: iWD-TVB2003-03_D05wk09 + essential modifications
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UEs used: Ericsson
Verification Status: PASS

4 Corrections required for test case 12.9.7a

4.1 Introduction

This section describes the changes required to make test case 12.9.7a 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_05wk09_B2003_03.mp which is part of the iWD-TVB2003-03_D05wk09 release. This is the second most recent ATS provided by MCC160 which contains GCF package WI 10 and WI 12 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 12.9.7a:

4.2 It_Steps_8To17 (WA#NAS4715)

Test case name	tc_12_9_7a
Reason for change	Incorrect establishment cause for RRC CONNECTION REQUEST for originating PS call
Summary of change	Changed from est_Reg to est_MO at line 32 and line 44
Source of change	New Change
Label	WA#NAS4715

It_Steps_8To17 32	+ts_RRC_ConnEst ts_CellA est_MO 	WA#NAS4715
44	+ts_RRC_ConnEst ts_CellA est_MO 	WA#NAS4715

4.3 It_Steps_8To17 (WA#NAS4716)

Test case name tc_12_9_7a
Reason for change The variable for RAB type is not updated to 64K PS RAB set-up
Summary of change Added (tcv_RRC_RAB_Type := cell_DCH_64kPS_RAB_SRB) at line 37
Source of change New Change
Label WA#NAS4716

37	(tcv_RRC_RAB_Type := cell_DCH_64kPS_RAB_SRB)	WA#NAS4716
38	tsv_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DPCH_ScrC_3	WA#NAS4717
39	+ ts_RRC_RB_Rel (tsv_CellA)	Step 13. Radio Bearer Release
	+ ts_AT_TriggerUsbInkData (1)	

4.4 It_Steps_8To17 (WA#NAS4717)

Test case name tc_12_9_7a
Reason for change As per 34.108
 Incorrect secondary scrambling code specified in local configuration for RADIO BEARER RELEASE procedure
Summary of change Added (tcv_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DPCH_ScrC_3) at line 37
Source of change New Change
Label WA#NAS4717

37	(tcv_RRC_RAB_Type := cell_DCH_64kPS_RAB_SRB)	WA#NAS4716
38	tsv_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DPCH_ScrC_3	WA#NAS4717
39	+ ts_RRC_RB_Rel (tsv_CellA)	Step 13. Radio Bearer Release
	+ ts_AT_TriggerUsbInkData (1)	

4.5 tc_12_9_7a (WA#NAS4718)

Test case name tc_12_9_7a
Reason for change AT command confirmation for PS call should not be expected as it's already received in ts_ActivatePDP_AcceptMO at line 36 and line 48
Summary of change Deleted lines 43 and line 50
Source of change New Change
Label WA#NAS4718

4.6 It_Steps_19To21 (WA#NAS4719)

Test case name tc_12_9_7a
Reason for change Incorrect secondary scrambling code specified in local configuration for RRC CONNECTION SETUP procedure
Summary of change Added (tsc_DL_DPCH1_2ndScrC := 3) at line 43
Source of change New Change
Label WA#NAS4719

It_Steps_19To21					
43		(tsc_DL_DPCH1_2ndScrC = 3,			WA#NAS4719
44		+ts_RRC_ConnEstt ts_CellA, est_MO, ?)			WA#NAS4715

4.7 ts_AT_TriggerUplinkData (WA#NAS4720)

Test case name tc_12_9_7a
Reason for change Incorrect AT command confirmation "CONNECT" expected
Summary of change Changed the received constraint from ca_AT_CmdCnfConnect to ca_AT_CmdCnf ("OK")
Source of change New Change
Label WA#NAS4720

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		Ut1 AT_CmdReq	ca_AT_CmdReq (s_ConcatStrg ("AT+CGDATA=PPP", s_ConcatStrg (p_cis, "<CR>"))		
2		Ut ? AT_CmdCnf	ca_AT_CmdCnf		WA#NAS4720

4.8 It_Steps_19To21 (WA#NAS4721)

Test case name tc_12_9_7a
Reason for change Incoming SM PDU , SM Activate PDP Context Request is not handled in the Prose.A prose CR will be submitted .
Summary of change Added +ts_ActivatePDP_AcceptMO at line 48
Source of change New Change
Label WA#NAS4721

47		+ts_GMM_AuthenticateAndStartIntegrit yProtection (ts_CellA)			Compute authentication para meters including tv_P8_AuthC K and tv_P8_AuthIK
48		+ts_ActivatePDP_AcceptMO (ts_Cell A)			WA#NAS4721

5 Branches executed in test case 12.9.7a

The test case implementation executed the PS branch, with Integrity activated, Cipherring disabled, AutoAttach off.

6 Execution Log Files

6.1 Ericsson 3G UE

The Ericsson UE 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_9_7a-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 12_9_7a-PICS-PIXIT-Ericsson.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **R5s050135**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1272 # rev - # Current version: **5.0.0**

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 WI 12 test case 12.9.9 to NAS ATS V3.8.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 25/02/05
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI 12 NAS test case 12.9.9 to the approved NAS ATS V3.8.0
Summary of change:	# This document lists all changes applied to test case 12.9.9 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	#				
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications #	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications #	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications #	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Other comments:	#				

How to create CRs using this form:

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

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

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

Title: Changes to test case 12.9.9 required for approval
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 12.9.9, which is part of the NAS test suite.

With following changes applied the test case can be demonstrated to run with more than one 3G Ues.

2 Table of Contents

1	Overview	3
2	Table of Contents	3
3	Verification Test Summary	4
4	Corrections required for test case 12.9.9.....	4
4.1	Introduction	4
4.2	Change 1	4
4.3	Change 2	5
4.4	Change 3	6
	Branches executed in test case 12.9.9	7
5	Execution Log Files	7
5.1	Nokia 6630.....	7
5.2	Motorola V980.....	7
6	References.....	7

3 Verification Test Summary

Test Case: tc_12_9_9
Test Group: GMM/ Routing Area Update/ Combined RAU
ATS Version: iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used: Anite 3G U-SAT
UE used: Nokia 6630, Motorola V980
Verification Status: PASS

4 Corrections required for test case 12.9.9

4.1 Introduction

This section describes the changes required to make test case 12.9.9 run correctly with a 3G UE. The ATS version used as basis was NAS_wk07.mp, which is part of the iWD-TVB2003-03_D04wk04 release.

4.2 Change 1

Test step name tc_12_9_9, It_RAUpdate, line #39
Reason for change The RAU REQUEST will be received on the same RRC connection as SERVICE REQ. Hence, car_PS_UplinkDirectTransfer should be used instead of car_PS_InitDirectTransfer. This needs to be corrected in TTCN.
Summary of change Instead of car_PS_InitDirectTransfer used car_PS_UplinkDirectTransfer for receiving the RAU REQ.

Before change:

It_RAUpdate 39	Do ? RRC_DataInd (trv_Start = RRC_DataInd.start)	car_PS_InitDirectTransfer(ts (P) c_CellDedicated, tsc_RB3, cbr_RA_UpdReq_3 (c_GMM_UpdateTypeRA_Upd adng, c_RAIAmy_v, * * * *))	Step 10. ROUTING AREA U PDATE REQUEST - Update type = 'RAupdatin g' TTCN Change
-------------------	---	---	---

After change:

It_RAUpdate 39	Do ? RRC_DataInd (trv_Start = RRC_DataInd.start)	car_PS_UplinkDirectTransfer (P) (tsc_CellDedicated, tsc_RB 3, cbr_RA_UpdReq_3 (c_GMM_UpdateTypeRA_Upd adng, c_RAIAmy_v, * * * *))	Step 10. ROUTING AREA U PDATE REQUEST - Update type = 'RAupdatin g' TTCN Change
-------------------	---	---	---

4.3 Change 2

Test step name tc_12_9_9, It_RAUpdate, line #41

Reason for change According to 24.008 Sec 4.7.13.6
Quote

ROUTING AREA UPDATE REQUEST message received before the security mode control procedure has been completed or an SERVICE ACCEPT or an SERVICE REJECT message has been sent

If an ROUTING AREA UPDATE REQUEST message is received and the security mode control procedure has not been completed or an SERVICE ACCEPT or an SERVICE REJECT message has not been sent, the network may initiate the GMM common procedures, e.g. the GMM authentication and ciphering procedure. The network may e.g. **after a successful GMM authentication and ciphering procedure execution, abort the Service request procedure and progress the routing area update procedure.**

Unquote

After the RAU REQUEST is received, authentication and ciphering and integrity check needs to be performed. This needs to be implemented in TTCN.

Note: Please find attached the draft TTCN for the same.

Summary of change Called test step ts_GMM_AuthenticateAndStartIntegrityProtection after the RAU REQ message.

Before change:

40		+ ts_SS_SecurityDownloadStart (ps_domain, tvv_Start)		
41		Dc RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpgradeAcc(c_GMM_UpdateResultRA_Updated, c_RAI_vj(tvv_CellInfoA.mcc, tvv_CellInfoA.mnc, tvv_CellInfoA.lac, tvv_CellInfoA.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), -)	Step 11. ROUTING AREA UPDATE ACCEPT - Update result = 'RA updated' - new RAI corresponding to cell A - P-TMSI-1 - P-TMSI-1 signature

After change:

40		+ ts_SS_SecurityDownloadStart (ps_domain, tvv_Start)		
41		+ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellA)		TTCN Change
42		Dc RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpgradeAcc(c_GMM_UpdateResultRA_Updated, c_RAI_vj(tvv_CellInfoA.mcc, tvv_CellInfoA.mnc, tvv_CellInfoA.lac, tvv_CellInfoA.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), -)	Step 11. ROUTING AREA UPDATE ACCEPT - Update result = 'RA updated' - new RAI corresponding to cell A - P-TMSI-1 - P-TMSI-1 signature

4.4 Change 3

Test step name tc_12_9_9, It_RAUpdate, line #44 - 48

Reason for change According to 24.008 Sec 4.7.13.5,

Quote

If a cell change into a new routing area occurs and the necessity of routing area update procedure is determined before the security mode control procedure is completed, a SERVICE ACCEPT or SERVICE REJECT message has been received, the Service request procedure shall be aborted and the routing area updating procedure is started immediately. Follow-on request pending may be indicated in the ROUTING AREA UPDATE REQUEST for the service, which was the trigger of the aborted Service request procedure, to restart the pending service itself or the Service Request procedure after the completion of the routing area updating procedure

Unquote.

Hence, the UE may resume the aborted SERVICE REQUEST procedure after completion of RAU procedure. This needs to be handled in TTCN.

Summary of change

In TTCN start a timer for 3 sec to receive any optional ACTIVATE PDP CONTEXT REQ (for resuming SERVICE REQUEST procedure). If this message does not come within 3sec, then the normal RRC connection release procedure will commence. In case the UE sends a ACTIVATE PDP CONTEXT REQ. message, then in order to ensure a stable state of UE, an ACTIVATE PDP CONTEXT REJECT message is sent by SS.

Before change:

42	Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cs_RA_UsdComplete)	Step 12. ROUTING AREA UPDATING COMPLETE
43	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)		

After change:

43	Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cs_RA_UsdComplete)	Step 12. ROUTING AREA UPDATING COMPLETE
44	START T_WaitS (3)		TTCN Change
45	Dc ? RRC_DataInd CANCEL T_WaitS	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_ActPDP_ContextReqMO(?))	Receive PDP Context Activation Request TTCN Change
46	+ts_Set(T_Rsp@cv_TL_S)		TTCN Change
47	Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_ActPDP_ContextRejMT(tcv_TL_S, cb_SM_Cause_v'1F0', -))	TTCN Change
48	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)		TTCN Change
49	?TIMEOUT T_WaitS		TTCN Change
50	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)		TTCN Change

Branches executed in test case 12.9.9

The test case implementation executed the combined CS/PS branch with Auto Attach enabled, integrity activated and cipherring disabled.

5 Execution Log Files

5.1 Nokia 6630

The Nokia 6630 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

➤ **Test Case Execution log file tc_12_9_9_Nokia-log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

5.2 Motorola V980

The Motorola V980 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

➤ **Test Case Execution log file tc_12_9_9_Motorola-log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

6 References

- [1] **R5s050081:** This archive comprises text format execution log file and the TTCN MP file.

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1273 # rev - # Current version: **5.0.0**

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 WI-010 P3 RAB test case 14.2.43.1 to RAB ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 20/01/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI 10 P3 RAB test cases 14.2.43.1 to the approved RAB ATS V5.0.0.
Summary of change:	# This document lists all changes applied to test case 14.2.43.1 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	Other core specifications #				
	<input checked="" type="checkbox"/> Test specifications				
	<input checked="" type="checkbox"/> O&M Specifications				
Other comments:	#				

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 14.2.43.1 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 14.2.43.1 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 14.2.43.1	2
4.1	Introduction	2
4.2	tc_14_2_43_1 (WA#RAB4519)	2
4.3	ts_SendRB_SetUpConvSpeech_InteractBackg_64k_384k_10TTI_CS_PS, ts_SS_RB20_AM_PS_Cfg_WA, c_RAB_InfoListAM_DCH_4_No_Pdcp_WA, c_RLC_InfoAM_Def_sdu4_WA, c_UL_AM_RLC_sdu4_WA, cb_DL_AM_RLC_WA, ca_RB_AM_Info_RAB_WA, cb_UL_AM_RLC_WA (WA#RAB4520)	3
4.4	ts_Subtests_1_To_10_TC_14_2_43_1 and ts_Subtests_11_To_17_TC_14_2_43_1 (WA#RAB4521)	7
4.5	c_TFC_Allowed_0_1_3_4_18_22, c_TFC_Allowed_0_2_3_5_18_23, c_TFC_Allowed_0_1_3_7_18_25, c_TFC_Allowed_0_2_3_8_18_26, c_TFC_Allowed_0_1_3_10_18_28, c_TFC_Allowed_0_2_3_11_18_29, c_TFC_Allowed_0_1_3_13_18_31, c_TFC_Allowed_0_2_3_14_18_32, c_TFC_Allowed_0_1_3_16_18_34 and c_TFC_Allowed_0_2_3_17_18_35. (WA#RAB4521)	10
5	Branches executed in test case 14.2.43.1	11
6	Execution Log Files	11
6.1	Nokia 3G UE 6630	11
6.2	Ericsson 3G UE U100	11
7	References	11

3 Verification Test Summary

Test Case: TC_14_2_43_1
Test Group: RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
ATS Version: iWD-TVB2003-03_D05wk07 + essential modifications
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UE used: Nokia 6630 & Ericsson U100
Verification Status: PASS

4 Corrections required for test case 14.2.43.1

4.1 Introduction

This section describes the changes required to make test case 14.2.43.1 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_wk07.mp which is part of the iWD-TVB2003-03_D05wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package WI 10 and WI 12 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 14.2.43.1:

WA#RAB4390 and WA#RAB4391.

4.2 tc_14_2_43_1 (WA#RAB4519)

Test step name	tc_14_2_43_1
Reason for change	t_Guard not long enough.
Summary of change	Increased t_Guard value to (500).
Source of change	New Change
Label	WA#RAB4519

Test Case					
Test Case ID:	t_14_2_43_1				
Test Group Reference:	CombinationOfDPCHConvSpeech_InteractBackgnd				
Purpose:	Conversational / speech / UL 12.2 DL 12.2 kbps / CS RAB + Interactive or background / UL 64 DL 384 kbps / PS RAB / 10 ms TTI				
Configuration:	Test to verify establishment and data transfer of reference radio bearer configuration as specified in TS 34.108, clause 6.10.2.4.1.43 for the downlink 10 ms TTI case.				
Defaults:	RRC_Def				
Comments:	@BIC_NAPP				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START: Guard(500)			WA#RAB4520
2		+ts_Interactive			Initial Test Case Variables
3		+rl_Interactive			
4		+rl_Background			
rl_Interactive					

4.3 ts_SendRB_SetUpConvSpeech_InteractBackg_64k_384k_10TTI_CS_PS, ts_SS_RB20_AM_PS_Cfg_WA, c_RAB_InfoListAM_DCH_4_No_Pdcp_WA, c_RLC_InfoAM_Def_sdu4_WA, c_UL_AM_RLC_sdu4_WA, cb_DL_AM_RLC_WA, ca_RB_AM_Info_RAB_WA, cb_UL_AM_RLC_WA (WA#RAB4520)

Test step name ts_SendRB_SetUpConvSpeech_InteractBackg_64k_384k_10TTI_CS_PS, ts_SS_RB20_AM_PS_Cfg_WA, c_RAB_InfoListAM_DCH_4_No_Pdcp_WA, c_RLC_InfoAM_Def_sdu4_WA, c_UL_AM_RLC_sdu4_WA, cb_DL_AM_RLC_WA, ca_RB_AM_Info_RAB_WA, cb_UL_AM_RLC_WA

Reason for change The Transmission/Reception window size is not large enough to cope with the amount of data involved for this test case: the SS has to wait for ACKs PDUs before sending more data (AM mode). When using TFs for RB20 of 16x336 or 20x336, sometimes the SS has to send dummy PDUs during the send continuous data procedure while waiting for the ACKs to previous transmitted data. The effect in the test case is that this delays the transmission of data (so then the reception too) and the control timers expire failing the test case.

Summary of change Created and used new alternative constraints with a value of 512 instead of 512/128 for the Transmission/**Reception** window in the PS RAB setup procedure (PDU message and local configuration):

In ts_SendRB_SetUpConvSpeech_InteractBackg_64k_384k_10TTI_CS_PS are used c_RAB_InfoListAM_DCH_4_No_Pdcp_WA and ts_SS_RB20_AM_PS_Cfg_WA which use themselves new alternatives constrains with the new transmission/reception windows size value (c_RLC_InfoAM_Def_sdu4_WA, c_UL_AM_RLC_sdu4_WA, cb_DL_AM_RLC_WA, ca_RB_AM_Info_RAB_WA, cb_UL_AM_RLC_WA).

Source of change New Change

Label WA#RAB4520

Test Step				
Test Step Id:	ts_SendRB_SetUpComSpeech_InteractBackg_64k_384k_10TTI_CS_PSp_CelId INTEGER; p_RB_id : BITSTRING; p_ActTime : ActivationTime			
Test Step Group Ref:	RB_StepsRB_Setup			
Objective:				
Defaults:	RRC_Def1			
Comments:	VMM#RAB4520			
..	L..	Behaviour Description	Constraint Ref	Comments
1		+ts_SetTmpCellInfo (p_CelId)		
2		AM ? RLC_AM_DATA_REQ	<pre> car_RB_SetUpAM_WbCnf ts_CelDedicated, ts_RB2, ts_Mul, cs_RRC_RB_SetUp, ts_CellInfo d_IntegrityCheckInfo, ts_RRC_Tl, p_ActTime, cel_DCH, OMIT t_RB_InfoListAM_DCH_4_No_Pdcp_WA (t_RB_InfoList1215, p_RB_id, t_UL_CommTrChInfo_TM3_AM1_0To119k_PowerOffsetInfoHigher64k , t_UL_AddReconfTransChInfoListAM_DCH4 (c_DCH_336_TFS_24_UL_20_TC_UE), c_DL_CommonTransChInfo_TM3_AM1_0_143, c_DL_AddReconfTransChInfoListAM_DCH4 (c_DCH_336_TFS_32_DL_10_TC_UE), c_DL_InfoAndParF1 (ts_TmpCellInfo.priScrmCode, ts_SIS , OMIT), c_DL_CommonInformationRB_SetUp(ts_Bid3), cb_UL_DPCH_Info (ts_SIS, p0_76 , ts_TmpCellInfo.ul_ScramblingCode)) </pre>	@ts_RASH T1s04043B sic@
			<pre> OMIT } } </pre>	
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuxCnf (ts_CelDedicated, ts_RB2, ts_Mul)	
4		+ts_SDCH_ModifyComSpeech_12_2k_InteractBackg_64k_384k_1D(p_ActTime, c_DL_CommonInformationRB_SetUp (ts_Bid3), cb_UL_DPCH_Info (ts_SIS, p0_76 , ts_TmpCellInfo.ul_ScramblingCode))		
5		+ts_SS_RB20_AM_PS_Cfg_WA (320)		
6	TSP	+ts_RRC_ReceiveRB_SetupCnfr (p_CelId , rel_Four_DTCH_CS_PS)		

Detailed Comment:

Test Step				
Test Step Id:	ts_SS_RB20_AM_PS_Cfg_WA (p_PayloadSize: INTEGER)			
Test Step Group Ref:	BasicM_SS_Configuration_Steps1			
Objective:	setup radio bearers : RB20, default values from 34.100 cl. 6.10.2.4.4 and 6.10.2.4.3			
Defaults:	SS_Def			
Comments:	CRLO is configured with cellid-1 (ts_CelDedicated)			
			VMM#RAB4530	
..	L..	Behaviour Description	Constraint Ref	Comments
1		CRLO ? CRLO_Config_REQ	ca_RB_AM_Info_RB_WA (ts_CelDedicated, ts_RB20, ts_TimePoiProhibit, ts_TimePoi, ts_PdcpOU, ts_PdcpWindowSize, ts_LogicalChannelIdentity ts_UL_DTCH1, ts_LogicalChannelIdentity ts_DL_DTCH1) (p_PayloadSize)	configure radio bearers : RB20 (AM + DTCH)
2		CRLO ? CRLO_Config_CNF	ca_CRLO_CfgCnf (ts_CelDedicated, ts_RB20)	

ASN.1 Type Constraint Declaration	
Constraint Name:	cs_UL_AM_RLC_WA
Onsup:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WARRAB4520
Constraint Value	
<pre> inTransmissionRLC_Discard noDiscard {def15, inTransmissionWindowSz {w512, inTimerT1 0500, max_RBT nM, --@sic T1a-040165 sic@ pollingInfo { inTimerPolProhibit {p200, inTimerPol {p200, --@sic T1a-040165 sic@ poll_PDU OMT, poll_SDU sdu1, lastTransmissionPDU_Poll TRUE, lastRetransmissionPDU_Poll TRUE, pollWindow pw99, inTimerPolPeriodic OMT } } </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_AM_RLC_sdu4_WA
Onsup:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WARRAB4520
Constraint Value	
<pre> inTransmissionRLC_Discard noDiscard {def15, inTransmissionWindowSz {w512, inTimerT1 0500, max_RBT nM, --@sic Tsd40391 sic@ pollingInfo { inTimerPolProhibit {p200, inTimerPol {p200, --@sic Tsd40391 sic@ poll_PDU OMT, poll_SDU sdu4, lastTransmissionPDU_Poll TRUE, lastRetransmissionPDU_Poll TRUE, pollWindow pw99, inTimerPolPeriodic OMT } } </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	cs_DL_AM_RLC_WA
Onsup:	
Type Name:	DL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WARRAB4520
Constraint Value	
<pre> inSequenceDelivery TRUE, inReceivingWindowSz {w512, dl_RLC_0380 0380 { inTimerStatusProhibit {p200, inTimerEPC OMT, missingPDU_Indicator TRUE, inTimerStatusPeriodic OMT } } </pre>	

4.4 ts_Subtests_1_To_10_TC_14_2_43_1 and ts_Subtests_11_To_17_TC_14_2_43_1 (WA#RAB4521)

Test step name ts_Subtests_1_To_10_TC_14_2_43_1 and ts_Subtests_11_To_17_TC_14_2_43_1

Reason for change DL_TFC1 (TF1 in RB10) is needed in the DL for subtests 4, 7, 10, 13 and 16. The reason is that due to the effect of the status PDUs in AM RB20, sometimes data in AM is transmitted using DL_TFC3 (only data in RB20), so the 60 PDUs in AM are already transmitted when one or more PDUs in TM are yet to be transmitted. This data in TM can not be sent with the original allowed TFC lists as they require data on AM. So the inclusion of DL_TFC for TM in the restriction TFC lists is necessary.

The same regarding DL_TFC2 (TF2 in RB10, TF1 in RB11, TF1 in RB12, RB0 in RB20 and RB0 in DCCH) for subtests involving data transmission in RB10, RB11, RB12 and RB20 (subtests 5, 8, 11, 14 and 17).

Summary of change For substeps involving RB10 and RB20 data transmission (4, 7, 10, 13 and 16) included DL_TFC1 in the allowed DL list.

For substeps involving RB10, RB11, RB12 and RB20 data transmission (5, 8, 11, 14 and 17) included DL_TFC2 in the allowed DL list.

Source of change New Change

Label WA#RAB4521

Test Step			
Test Step ID:	ts_Subtests_1_To_10_TC_14_2_43_1(p_Data_String BITSTRING)		
Test Step Group Ref:	RB_StepsRB_Subtests1		
Objective:			
Defaults:			
Comments:	@GIC_NAPP WA#RAB4521		
Id	Behaviour Description		Comments
1	+ts_RB_SubTest_RAB_SRB_RB10(c_TFC_Allowed_0_1_2_3_15_16, c_TFC_Allowed_0_1_18_19, cb_UE_TestLoopMode1LB_Setup4 (39)tsc_RB10,103,tsr_RB11,60,tsr_RB12,312,tsr_RB20), c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(tsc_RB10,39,60), OMIT, OMIT, OMIT), 20)		Subtest 1 Steps 11-17
2	+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12(c_TFC_Allowed_0_1_2_3_15_17, c_TFC_Allowed_0_2_18_20, cb_UE_TestLoopMode1LB_Setup4 (81)tsr_RB10,103,tsr_RB11,60,tsr_RB12,312,tsr_RB20), c_RAB_Tx_Info(p_Data_String, 3, t_RB_Tx_Info(tsc_RB10,81,60), t_RB_Tx_Info(tsc_RB11,103,60), t_RB_Tx_Info(tsc_RB12,312,60), OMIT), 20)		Subtest 2 Steps 11-17
3	+ts_RB_SubTest_RAB_SRB_RB20(c_TFC_Allowed_0_1_2_3_15_18, c_TFC_Allowed_0_3_18_21, cb_UE_TestLoopMode1LB_Setup4 (38)tsr_RB10,103,tsr_RB11,60,tsr_RB12,312,tsr_RB20), c_RAB_Tx_Info(p_Data_String, 1, t_RB_Tx_Info(tsc_RB20,312,60), OMIT, OMIT, OMIT), 20)		Subtest 3 Steps 11-17

4	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20(c_TFC_Allowed_0_1_2_3_4_15_16_18, c_TFC_Allowed_0_1_3_4_16_22, cb_UE_TestLoopMod el1B_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 2, t_RB_Tx_Info(tsc_RB10,39,60), t_RB_Tx_Info(tsc_RB20,312,60), OMIT, OMIT), 20) </pre>	Subtest 4 Steps 11-17
5	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20(c_TFC_Allowed_0_2_3_5_18_23, cb_UE_TestLoopMode1B_Setup4 (81,tsc_RB10, 103, tsc_RB11, 6 0, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 4, t_RB_Tx_Info(tsc_RB10,81,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info(tsc_RB12,60,60), t_RB_Tx_Info(tsc_RB20,312,60), 20) </pre>	Subtest 5 Steps 11-17
6	<pre> +ts_RB_SubTest_RAB_SRB_RB20_Special(c_TFC_Allowed_0_1_2_3_6_15_21, c_TFC_Allowed_0_3_6_18_24, cb_UE_TestLoopMode1LB_S etup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 1, t_RB_Tx_Info(tsc_RB20,632,60), OMIT, OMIT, OMIT), 20, 1) </pre>	Subtest 6 Steps 11-17
7	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_6_7_15_16_21_22, c_TFC_Allowed_0_1_3_7_18_25, cb_UE_T estLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 2, t_RB_Tx_Info(tsc_RB10,39,60), t_RB_Tx_Info(tsc_RB20,632,60), OMIT, OMIT), 20, 1) </pre>	Subtest 7 Steps 11-17
8	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special(c_TFC_Allowed_0_1_2_3_6_8_15_17_21_23, c_TFC_Allowed_0_2_3_6_18_26, cb_UE_TestLoopMode1LB_Setup4 (81,tsc_RB10, 103, tsc_RB11 , 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 4, t_RB_Tx_Info(tsc_RB10,81,60), c_RB_Tx_Info (tsc_RB11,103,60), t_RB_Tx_Info(tsc_RB12,60,60), t_RB_Tx_Info(tsc_RB20,632,60), 20, 1) </pre>	Subtest 8 Steps 11-17
9	<pre> +ts_RB_SubTest_RAB_SRB_RB20(c_TFC_Allowed_0_1_2_3_9_15_24, c_TFC_Allowed_0_3_9_18_27, cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 1272, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 1, t_RB_Tx_Info(tsc_RB20,1272,60), OMIT, OMIT, OMIT), 20) </pre>	Subtest 9 Steps 11-17
10	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20(c_TFC_Allowed_0_1_2_3_9_10_15_16_24_25, c_TFC_Allowed_0_1_3_10_18_30, cb_UE_TestL oopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 1272, tsc_RB20), c_RAB_Tx_Info(tsc_RB_Tx_Info_2688, 2, t_RB_Tx_Info(tsc_RB10,39,60), t_RB_Tx_Info(tsc_RB20,1272,60), OMIT, OMIT), 20) </pre>	Subtest 10 Steps 11-17
Detailed Comment:		

Test Step		
Test Step ID:	ts_Subtests_11_To_17_TC_14_2_43_1 (p_Data_String BITSTRING)	
Test Step Group Ref:	RB_StepsRB_Subtests	
Objective:		
Defaults:		
Comments:	@SIC_NAPP VAMPAB4521	
	Behaviour Description	Comments
1	+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20; c_TFC_Allowed_0_1_2_3_9_11_15_17_24_26; c_TFC_Allowed_0_2_3_11_18_29; b_UE_TestLoopMode1LB_Setup4 (81;ts_RB10, 103, ts_R B11, 60, ts_RB12, 1272, ts_RB20); c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info (ts_RB10,61,60), c_RB_Tx_Info(ts_RB11,103,60), c_RB_Tx_Info (ts_RB12,60,60), c_RB_Tx_Info(ts_RB20,1272,60)), 20) 1)	Subtest 11 Steps 11-17
2	+ts_RB_SubTest_RAB_SRB_RB20_Special (c_TFC_Allowed_0_1_2_3_12_15_27, c_TFC_Allowed_0_3_12_18_30, cb_UE_TestLoopMode1LB Setup4 (39;ts_RB10, 103, ts_RB11, 60, ts_RB12, 632, ts_RB20); c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info (ts_RB20,2552,60), OMIT, OMIT, OMIT), 20, 1)	Subtest 12 Steps 11-17
3	+ts_RB_SubTest_RAB_SRB_RB10_RB20_Special (c_TFC_Allowed_0_1_2_3_12_13_15_18_27_28; c_TFC_Allowed_0_1_3_13_18_31; b_UE _TestLoopMode1LB_Setup4 (39;ts_RB10, 103, ts_RB11, 60, ts_RB12, 632, ts_RB20); c_RAB_Tx_Info(p_Data_String, 2, c_RB_Tx_Info (ts_RB10,29,60), c_RB_Tx_Info (ts_RB20,2552,60), OMIT, OMIT), 20, 1)	Subtest 13 Steps 11-17
4	+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special; c_TFC_Allowed_0_1_2_3_12_14_15_17_27_29; c_TFC_Allowed_0_2_3_14_18_32; b_UE_TestLoopMode1LB_Setup4 (81;ts_RB10, 103, ts_ RB11, 60, ts_RB12, 632, ts_RB20); c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info (ts_RB10,61,60), c_RB_Tx_Info(ts_RB11,103,60), c_RB_Tx_Info (ts_RB12,60,60), c_RB_Tx_Info (ts_RB20,2552,60)), 20, 1)	Subtest 14 Steps 11-17
5	+ts_RB_SubTest_RAB_SRB_RB20_Special (c_TFC_Allowed_0_1_2_3_12_15_27, c_TFC_Allowed_0_3_15_18_33, cb_UE_TestLoopMode1L B_Setup4 (39;ts_RB10, 103, ts_RB11, 60, ts_RB12, 632, ts_RB20); c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info (ts_RB20,3832,60), OMIT, OMIT, OMIT), 20, 1)	Subtest 15 Steps 11-17
6	+ts_RB_SubTest_RAB_SRB_RB10_RB20_Special (c_TFC_Allowed_0_1_2_3_12_13_15_18_27_28; c_TFC_Allowed_0_1_3_18_18_34; b_U E_TestLoopMode1LB_Setup4 (39;ts_RB10, 103, ts_RB11, 60, ts_RB12, 632, ts_RB20); c_RAB_Tx_Info(p_Data_String, 2, c_RB_Tx_Info (ts_RB10,39,60), c_RB_Tx_Info (ts_RB20,3832,60), OMIT, OMIT), 20, 1)	Subtest 16 Steps 11-17
7	+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special; c_TFC_Allowed_0_1_2_3_12_14_15_17_27_29; c_TFC_Allowed_0_2_3_17_18_35; b_UE_TestLoopMode1LB_Setup4 (81;ts_RB10, 103, ts_ RB11, 60, ts_RB12, 632, ts_RB20); c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info (ts_RB10,61,60), c_RB_Tx_Info(ts_RB11,103,60), c_RB_Tx_Info (ts_RB12,60,60), c_RB_Tx_Info (ts_RB20,3832,60)), 20, 1)	Subtest 17 Steps 11-17
Detailed Comment:		

4.5 c_TFC_Allowed_0_1_3_4_18_22, c_TFC_Allowed_0_2_3_5_18_23, c_TFC_Allowed_0_1_3_7_18_25, c_TFC_Allowed_0_2_3_8_18_26, c_TFC_Allowed_0_1_3_10_18_28, c_TFC_Allowed_0_2_3_11_18_29, c_TFC_Allowed_0_1_3_13_18_31, c_TFC_Allowed_0_2_3_14_18_32, c_TFC_Allowed_0_1_3_16_18_34 and c_TFC_Allowed_0_2_3_17_18_35. (WA#RAB4521)

Test step name c_TFC_Allowed_0_1_3_4_18_22, c_TFC_Allowed_0_2_3_5_18_23, c_TFC_Allowed_0_1_3_7_18_25, c_TFC_Allowed_0_2_3_8_18_26, c_TFC_Allowed_0_1_3_10_18_28, c_TFC_Allowed_0_2_3_11_18_29, c_TFC_Allowed_0_1_3_13_18_31, c_TFC_Allowed_0_2_3_14_18_32, c_TFC_Allowed_0_1_3_16_18_34 and c_TFC_Allowed_0_2_3_17_18_35.

Reason for change DL_TFC1 (TF1 in RB10) is needed in the DL for subtests 4, 7, 10, 13 and 16. The reason is that due to the effect of the status PDUs in AM RB20, sometimes data in AM is transmitted using DL_TFC3 (only data in RB20), so the 60 PDUs in AM are already transmitted when one or more PDUs in TM are yet to be transmitted. This data in TM can not be sent with the original allowed TFC lists as they require data on AM. So the inclusion of DL_TFC for TM in the restriction TFC lists is necessary.

The same regarding DL_TFC2 (TF2 in RB10, TF1 in RB11, TF1 in RB12, RB0 in RB20 and RB0 in DCCH) for subtests involving data transmission in RB10, RB11, RB12 and RB20 (subtests 5, 8, 11, 14 and 17).

Summary of change Created new TFC_Subset constraints in order to be able to implement change propose in point 4.4.

Note the following figures represents examples of the new constraints. In the same way, new constraints are required for all affected subtests.

Source of change New Change

Label WA#RAB4521

ASN 1 Type Constraint Declaration	
Constraint Name:	c_TFC_Allowed_0_1_3_4_18_22
Group:	
Type Name:	TFC_Subset
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP For speech combination with 4 RBs + DCCH WA#RAB4521
Constraint Value	
allowedTFC_List (0	1,3,4,18,22)

ASN 1 Type Constraint Declaration	
Constraint Name:	c_TFC_Allowed_0_2_3_5_18_23
Group:	
Type Name:	TFC_Subset
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP For speech combination with 4 RBs + DCCH WA#RAB4521
Constraint Value	
allowedTFC_List (0	2,3,5,18,23)

5 Branches executed in test case 14.2.43.1

The test case implementation executed the PS branch for NMO_I, UE_OpMode A with Integrity activated, Cipherring disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 6630

The Nokia 6630 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_43_1-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_43_1-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_43_1-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 14_2_43_1-pics-pixit-Ericsson.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **R5s050101**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1274 # rev - # Current version: **5.0.0**

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 WI-012 RAB test case 14.2.43.2 to RAB ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 01/03/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI-012 RAB test cases 14.2.43.2 to the approved RAB ATS V5.0.0.
Summary of change:	# This document lists all changes applied to test case 14.2.43.2 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	Other core specifications #				
	<input checked="" type="checkbox"/> Test specifications				
	<input checked="" type="checkbox"/> O&M Specifications				
Other comments:	#				

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 14.2.43.2 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 14.2.43.2 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 14.2.43.2.....	2
4.1	Introduction	2
4.2	tc_14_2_43_2 (WA#RAB4519)	2
4.3	ts_SendRB_SetUpConvSpeech_InteractBackg_64k_384k_20TTI_CS_PS, ts_SS_RB20_AM_PS_Cfg_WA, c_RAB_InfoListAM_DCH_4_No_Pdcp_WA, c_RLC_InfoAM_Def_sdu4_WA, c_UL_AM_RLC_sdu4_WA, cb_DL_AM_RLC_WA, ca_RB_AM_Info_RAB_WA, cb_UL_AM_RLC_WA (WA#RAB4520)	3
4.4	ts_Subtests_1_To_10_TC_14_2_43_2, ts_Subtests_11_To_20_TC_14_2_43_2 and ts_Subtests_21_To_26_TC_14_2_43_2 (WA#RAB4519)	7
4.5	c_TFC_Allowed_0_1_3_4_27_31, c_TFC_Allowed_0_2_3_5_27_32, c_TFC_Allowed_0_1_3_7_27_34, c_TFC_Allowed_0_2_3_8_27_35, c_TFC_Allowed_0_1_3_10_27_37, c_TFC_Allowed_0_2_3_11_27_38, c_TFC_Allowed_0_1_3_13_27_40, c_TFC_Allowed_0_2_3_14_27_41, c_TFC_Allowed_0_1_3_16_27_43, c_TFC_Allowed_0_2_3_17_27_44, c_TFC_Allowed_0_1_3_19_27_46, c_TFC_Allowed_0_2_3_20_27_47, c_TFC_Allowed_0_1_3_22_27_49, c_TFC_Allowed_0_2_3_23_27_50, c_TFC_Allowed_0_1_3_25_27_52 and c_TFC_Allowed_0_2_3_26_27_53. (WA#RAB4519)	11
5	Branches executed in test case 14.2.43.2	12
6	Execution Log Files	12
6.1	Nokia 3G UE 6630.....	12
7	References.....	13

3 Verification Test Summary

Test Case: TC_14_2_43_2
Test Group: RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
ATS Version: iWD-TVB2003-03_D05wk07 + essential modifications
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UE used: Nokia 6630
Verification Status: PASS

4 Corrections required for test case 14.2.43.2

4.1 Introduction

This section describes the changes required to make test case 14.2.43.2 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_wk07.mp which is part of the iWD-TVB2003-03_D05wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package WI 10 and WI 12 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 14.2.43.2:

WA#RAB4390, WA#RAB4391

4.2 tc_14_2_43_2 (WA#RAB4519)

Test step name	tc_14_2_43_2
Reason for change	t_Guard not long enough.
Summary of change	Increased t_Guard value to (600).
Source of change	New Change
Label	WA#RAB4519

Test Case			
Test Case ID:	ts_14_2_43_2		
Test Group Reference:	CombinationOfDPCHConvSpeech_InteractBackgnd		
Purpose:	Conversational / speech / UL 12.2 DL 12.2 kbps / CS RAB + Interactive or background / UL 64 DL 384 kbps / PS RAB / 20 ms TTI Test to verify establishment and data transfer of reference radio bearer configuration as specified in TS 34.108, clause 6.10.2.4.1.43 for the downlink 20 ms TTI case		
Configuration:			
Defaults:	RRC_Def1		
Comments:	@@IC_NAPP		
Nr	Lab.	Behaviour Description	Comments
1		START L_DuandRSSI	WA#RAB4520
2		+ ts_Inf/variables	Initial Test Case Variables
3		+It_Interactive	
4		+t_Background	
It_Interactive			
5		[pc_Interactive]	
6		+ts_RB_InfTest_CS_PS (speech_12_2k_Interact_64k_384k_20, terminatingConversationalCall, terminatingConversationalCall, terminatingInteractiveCall)	Steps 1-10@@ic: RASH R1948 sic@

4.3 ts_SendRB_SetUpConvSpeech_InteractBackg_64k_384k_20TTI_CS_PS, ts_SS_RB20_AM_PS_Cfg_WA, c_RAB_InfoListAM_DCH_4_No_Pdcp_WA, c_RLC_InfoAM_Def_sdu4_WA, c_UL_AM_RLC_sdu4_WA, cb_DL_AM_RLC_WA, ca_RB_AM_Info_RAB_WA, cb_UL_AM_RLC_WA (WA#RAB4520)

Test step name ts_SendRB_SetUpConvSpeech_InteractBackg_64k_384k_20TTI_CS_PS, ts_SS_RB20_AM_PS_Cfg_WA, c_RAB_InfoListAM_DCH_4_No_Pdcp_WA, c_RLC_InfoAM_Def_sdu4_WA, c_UL_AM_RLC_sdu4_WA, cb_DL_AM_RLC_WA, ca_RB_AM_Info_RAB_WA, cb_UL_AM_RLC_WA

Reason for change The Transmission/Reception window size is not large enough to cope with the amount of data involved for this test case: the SS has to wait for ACKs PDUs before sending more data (AM mode). When using TFs for RB20 of 16x336 or 20x336, sometimes the SS has to send dummy PDUs during the send continuous data procedure while waiting for the ACKs to previous transmitted data. The effect in the test case is that this delays the transmission of data (so then the reception too) and the control timers expire failing the test case.

Summary of change Created and used new alternative constraints with a value of 512 instead of 128 for the Transmission/Reception window in the PS RAB setup procedure (PDU message and local configuration):

In ts_SendRB_SetUpConvSpeech_InteractBackg_64k_384k_20TTI_CS_PS are used c_RAB_InfoListAM_DCH_4_No_Pdcp_WA and ts_SS_RB20_AM_PS_Cfg_WA which use themselves new alternatives constrains with the new transmission/reception windows size value (c_RLC_InfoAM_Def_sdu4_WA, c_UL_AM_RLC_sdu4_WA, cb_DL_AM_RLC_WA, ca_RB_AM_Info_RAB_WA, cb_UL_AM_RLC_WA).

Source of change New Change

Label WA#RAB4520

Test Step			
Test Step Id	ts_SendRB_SetUpConvSpeech_InteracBackg_64k_384k_30TTI_CS_PS (p_CellId: INTEGER, p_RAB_Id: BITSTRING, p_ActTime: ActivationTime)		
Test Step Group Ref	RB_SetupRB_Setup		
Objective			
Defaults	RRC_Defn		
Comments	WNRAB4520		
La	Behaviour Description	Constraint Ref	Comments
1	+ts_SetTempCellInfo (p_CellId)		
2	AM1 RLC_AM_DATA_REQ	ca_RB_SetUpAM_VchCnf tsc_CellDedicated, tsc_RB2, tsc_Mu, ca_RRC_RB_SetUp, tsc_CellInfo_d_IntegrityCheckInf, tsc_RRC_T, p_ActTime, cell_DCH, OMT c_RAB_InfoListAM_DCH_4_No_Pdcp_VIA(c_ReelTimer1_215, R_RAB_M0, c_UL_CommTrcChnInf_TM3_AM1_0Tu119(c_PowerOffsetInfoHigh at64k), c_UL_AddReconfTransChnInfoListAM_DCH4(c_DCH_336_TFS_24_UL_28_TC_UE), c_DL_CommonTransChnInf_TM3_AM1_0_215, c_DL_AddReconfTransChnInfoListAM_DCH4(c_DCH_336_TFS_32_DL_28_TC_UE , c_DL_InformationPerRL(tsc_TempCellInfo.pISumCode, tsc_Sf16, ,OMT), c_DL_CommonInformationRB_SetUp(tsc_Sf16), ca_UL_DPCH_Info (tsc_Sf16, pR0_76, tsc_TempCellInfo.ul_Scrambl ingCode))	@sk RASH T1s040436 s #@
3	AM1 RLC_AM_DATA_CNF	ca_AM_DataMuCnf (tsc_CellDedicated, tsc_RB2, tsc_Mu0)	
4	+ts_SDCH_ModifyConvSpeech_InteracBackg_64k_384k_20 (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp (tsc_Sf16), ca_UL_DPCH_Info (tsc_Sf16, pR0_76, tsc_TempCellInfo.ul_Scrambl ingCode))		
5	+ts_SS_RB20_AM_PS_Cfg_VIA (320)		
6	TSP +ts_RRC_ReceiveRB_SetupCmpt (p_CellId, cell_Four_DTCH_CS_PS)		
Detailed Comment:			

Test Step			
Test Step Id	ts_SS_RB20_AM_PS_Cfg_VIA (p_PayloadSize: INTEGER)		
Test Step Group Ref	Basic_SS_Configuration_Steps/		
Objective	setup radio bearers : RB20, default values from 34.100 of 6.10.2.4.4 and 6.10.2.4.2.3		
Defaults	SS_Def		
Comments	CRLC is configured with cellId=1 (tsc_CellDedicated)		
WNRAB4520			
La	Behaviour Description	Constraint Ref	Comments
1	CRLC1 CRLC_Config_REQ	ca_RB_AM_Info_RAB_VIA (tsc_CellDedicated, tsc_RB20, tsc_TimePoiProhibit, tsc_TimePoi, tsc_PolsOU, tsc_PolWindow, ulLogicalChannelIdentity tsc_UL_DTCH1, ulLogicalChannelIdentity tsc_DL_DTCH1) (p_PayloadSize)	configure radio bearers : RB20 (AM + DTCH)
2	CRLC1 CRLC_Config_CNF	ca_CRLC_CfgCnf (tsc_CellDedicated, tsc_RB20)	

ASN.1 ASP Constraint Declaration	
Constraint Name:	ca_RB_AM_Info_RB_VA (p_CellId: INTEGER, p_RB_Id: INTEGER, p_TimerPoolProtst: TimerPoolProtst, p_TimerPool: TimerPool, p_PollSDU: Poll_SDU, p_PollW: nber, PollWindow, p_LogChMapping: RB_LogCh_Mapping, p_PayLoad: INTEGER)
Group:	
ASP Name:	CRRC_Config_REQ
Derivation Path:	
Comments:	Used to setup AM RLC entity WNRAB4520
Constraint Value	
<pre> caRBp_CellId, routingInfo (rb_Identity: p_RB_Id, nlType: nber, configMessage: setup: { sS_rlc_Info (sS_ul_RLC_Mode: dl_AM_RLC_Mode, cb_DL_AM_RLC_VA, sS_dl_RLC_Mode: dl_PayloadSize: p_PayLoad, dl_RLCModeInfo: ul_AM_RLC_Mode, cb_UL_AM_RLC_VA) }, rb_LogCh_Mapping: p_LogChMapping) </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RB_InfoInAM_DCH_4_No_Pdcp_VA (p_ReEstTimer: Re_EstablishmentTimer, p_RB_Id: BITSTRING)
Group:	
Type Name:	RAB_InformationSetupList
Derivation Path:	
Encoding Variation:	
Comments:	WNRAB4520
Constraint Value	
<pre> { rb_Info (rb_Identity: gsm_MAP_RB_Identity, p_RB_Id, ch_DomainIdentity: ps_domain, re_EstablishmentTimer: p_ReEstTimer), rb_InformationSetupList (--RB_InformationSetupList rb_Identity: tsc_RB20, pdcp_Info: OMIT, rlc_InfoChoice: rlc_Info (c_RLC_InfoAM_Def_sdu4_VA, rb_MappingInfo (--RB_MappingOption ul_LogicalChannelMappings: oneLogicalChannel { ul_TransportChannelType: dch: tsc_UL_DCH4, logicalChannelIdentity: OMIT, rlc_SizeList: configured: NULL, mac_LogicalChannelPriority: 8 }, dl_LogicalChannelMappingList { dl_TransportChannelType: dch: tsc_DL_DCH4, logicalChannelIdentity: OMIT }) } </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RLC_InfoAM_Def_sdu4_VA
Group:	
Type Name:	RLC_Info
Derivation Path:	
Encoding Variation:	
Comments:	WNRAB4520
Constraint Value	
<pre> { ul_RLC_Mode: ul_AM_RLC_Mode, t_UL_AM_RLC_sdu4_VA, dl_RLC_Mode: dl_AM_RLC_Mode, cb_DL_AM_RLC_VA } </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	cs_UL_AM_RLC_WA
Onsup:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WARRAB4520
Constraint Value	
<pre> { transmissionRLC Discard noDiscard : dml5, transmissionWindowSz {w512, \$merPol {p500} max_RST rM, --@sic T1a-040165 sic@ pollingInfo { \$merPolProhibit {p200, \$merPol {p200, --@sic T1a-040165 sic@ pol_PDU OMT, pol_BDU sdu1, lastTransmissionPDU_Pol TRUE, lastRetransmissionPDU_Pol TRUE, polWindow pw99, \$merPolPeriodic OMT } } </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_AM_RLC_sdu1_WA
Onsup:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WARRAB4520
Constraint Value	
<pre> { transmissionRLC Discard noDiscard : dml5, transmissionWindowSz {w512, \$merPol {p500, max_RST rM, --@sic Tsd40391 sic@ pollingInfo { \$merPolProhibit {p200, \$merPol {p200, --@sic Tsd40391 sic@ pol_PDU OMT, pol_BDU sdu1, lastTransmissionPDU_Pol TRUE, lastRetransmissionPDU_Pol TRUE, polWindow pw99, \$merPolPeriodic OMT } } </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	cs_DL_AM_RLC_WA
Onsup:	
Type Name:	DL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WARRAB4520
Constraint Value	
<pre> { inSequenceDelivery TRUE, reorderingWindowSz {w512, dl_RLC_0380380 { \$merStatusProhibit {p200, \$merEPC OMT, missingPDU_Indicator TRUE, \$merStatusPeriodic OMT } } } </pre>	

4.4 ts_Subtests_1_To_10_TC_14_2_43_2, ts_Subtests_11_To_20_TC_14_2_43_2 and ts_Subtests_21_To_26_TC_14_2_43_2 (WA#RAB4519)

Test step name ts_Subtests_1_To_10_TC_14_2_43_2, ts_Subtests_11_To_20_TC_14_2_43_2 and ts_Subtests_21_To_26_TC_14_2_43_2

Reason for change DL_TFC1 (TF1 in RB10) is needed in the DL for subtests 4, 7, 10, 13, 16 and 19. The reason is that due to the effect of the status PDUs in AM RB20, sometimes data in AM is transmitted using DL_TFC3 (only data in RB20), so the 60 PDUs in AM are already transmitted when one or more PDUs in TM are yet to be transmitted. This data in TM can not be sent with the original allowed TFC lists as they require data on AM. So the inclusion of DL_TFC for TM in the restriction TFC lists is necessary.

The same regarding DL_TFC2 (TF2 in RB10, TF1 in RB11, TF1 in RB12, RB0 in RB20 and RB0 in DCCH) for subtests involving data transmission in RB10, RB11, RB12 and RB20 (subtests 5, 8, 11, 14, 17 and 20).

Summary of change For substeps involving RB10 and RB20 data transmission (4, 7, 10, 13, 16 and 19) included DL_TFC1 in the allowed DL list.

For substeps involving RB10, RB11, RB12 and RB20 data transmission (5, 8, 11, 14, 17 and 20) included DL_TFC2 in the allowed DL list.

Source of change New Change

Label WA#RAB4521

Test Step		
Test Step Id:	ts_Subtests_1_To_10_TC_14_2_43_2(p_Data_String BITSTRING)	
Test Step Group Ref:	RB_StepsRB_Subtests1	
Objective:		
Defaults:		
Comments:	@@GIC_NAPP WA#RAB4521	
	Behaviour Description	Comments
1	+ts_RB_SubTest_RAB_SRB_RB10(c_TFC_Allowed_0_1_2_3_15_16, c_TFC_Allowed_0_1_27_29, cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(tsc_RB10,39,60), OMIT, OMIT, OMIT), 20)	Subtest 1 Steps 11-17 @@GIC T1-040396 GIC@
2	+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12(c_TFC_Allowed_0_1_2_3_15_17, c_TFC_Allowed_0_2_27_29, cb_UE_TestLoopMode1LB_Setup4 (61,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 3, c_RB_Tx_Info(tsc_RB10,61,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info(tsc_RB12,60,60), OMIT), 20)	Subtest 2 Steps 11-17 @@GIC T1-040396 GIC@
3	+ts_RB_SubTest_RAB_SRB_RB20(c_TFC_Allowed_0_1_2_3_15_18, c_TFC_Allowed_0_3_27_30, cb_UE_TestLoopMode1LB_Setup4 (29,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(tsc_RB20,312,60), OMIT, OMIT, OMIT), 20)	Subtest 3 Steps 11-17 @@GIC T1-040396 GIC@

4	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20 (c_TFC_Allowed_0_1_2_3_4_16_18_19, c_TFC_Allowed_0_1_3_4_27_31) cb_UE_TestLoopModelLB_Setup4 (20,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20);c_RAB_Tx_Info(p_Data_String, 2, c_RB_Tx_Info(tsc_RB10,39,60), c_RB_Tx_Info(tsc_RB20,312,60), OMIT, OMIT, 20) </pre>	<p>Subtest 4 Steps 11-17</p> <p>@sk: T1-040398 sk@</p>
5	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20(c_TFC_Allowed_0_1_2_3_5_15_17_18_20, c_TFC_Allowed_0_2_3_5_27_32) cb_UE_TestLoopModelLB_Setup4 (81,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20);c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info(tsc_RB10,81,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info(tsc_RB12,60,60), c_RB_Tx_Info(tsc_RB20,312,60), 20) </pre>	<p>Subtest 5 Steps 11-17</p> <p>@sk: T1-040398 sk@</p>
6	<pre> +ts_RB_SubTest_RAB_SRB_RB20 (c_TFC_Allowed_0_1_2_3_6_15_21, c_TFC_Allowed_0_3_6_27_33) cb_UE_TestLoopModelLB_Setup4 (20,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 632, tsc_RB20);c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(tsc_RB20,632,60), OMIT, OMIT, OMIT, 20) </pre>	<p>Subtest 6 Steps 11-17</p> <p>@sk: T1-040398 sk@</p>
7	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20 (c_TFC_Allowed_0_1_2_3_6_7_15_16_21_22, c_TFC_Allowed_0_1_3_7_27_34) cb_UE_TestLoopModelLB_Setup4 (20,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 632, tsc_RB20);c_RAB_Tx_Info(p_Data_String, 2, c_RB_Tx_Info(tsc_RB10,39,60), c_RB_Tx_Info(tsc_RB20,632,60), OMIT, OMIT, 20) </pre>	<p>Subtest 7 Steps 11-17</p> <p>@sk: T1-040398 sk@</p>
8	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20(c_TFC_Allowed_0_1_2_3_6_8_15_17_21_23, c_TFC_Allowed_0_2_3_6_27_35) cb_UE_TestLoopModelLB_Setup4 (81,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 632, tsc_RB20);c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info(tsc_RB10,81,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info(tsc_RB12,60,60), c_RB_Tx_Info(tsc_RB20,632,60), 20) </pre>	<p>Subtest 8 Steps 11-17</p> <p>@sk: T1-040398 sk@</p>
9	<pre> +ts_RB_SubTest_RAB_SRB_RB20_Special (c_TFC_Allowed_0_1_2_3_9_15_24, c_TFC_Allowed_0_3_9_27_36) cb_UE_TestLoopModelLB_Setup4 (20,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 952, tsc_RB20);c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(tsc_RB20,1272,60), OMIT, OMIT, OMIT, 20, 1) </pre>	<p>Subtest 9 Steps 11-17</p> <p>@sk: T1-040398 sk@</p>
10	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_9_10_15_16_24_26, c_TFC_Allowed_0_1_3_10_27_37) cb_UE_TestLoopModelLB_Setup4 (20,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 952, tsc_RB20);c_RAB_Tx_Info(tsc_RB_TestData_2588, 2, c_RB_Tx_Info(tsc_RB10,39,60), c_RB_Tx_Info(tsc_RB20,1272,60), OMIT, OMIT, 20, 1) </pre>	<p>Subtest 10 Steps 11-17</p> <p>@sk: T1-040398 sk@</p>
<p>Detailed Comment</p>		

Test Step		
Test Step ID:	ts_Subtests_11_To_20_TC_14_2_43_2 (p_Data_String BITSTRIN0)	
Test Step Group Ref:	RB_Steps/RB_SubtestA	
Objective:		
Details:		
Comments:	@SIC_HAPP	
	WARRAD4521	
	Behaviour Description	Comments
1	+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special(c_TFC_Allowed_0_1_2_3_9_11_15_17_24_26, c_TFC_Allowed_0_2_3_11_27_29, cb_UE_TestLoopMode1LB_Setup4 (01,tsc_RB10, 103,tsc_RB11,60,tsc_RB12,95),tsc_RB20),c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info (tsc_RB10,01,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info (tsc_RB12,60,60), c_RB_Tx_Info(tsc_RB20,1272,60)), 20, 1)	Subtest 11 Steps 11-17 @sic T1-040396 sic@
2	+ts_RB_SubTest_RAB_SRB_RB20_Special (c_TFC_Allowed_0_1_2_3_12_15_27, c_TFC_Allowed_0_3_12_27_39, cb_UE_TestLoop Mode1LB_Setup4 (09,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info (tsc_RB20,2552,60), OMIT, OMIT, OMIT), 20, 1)	Subtest 12 Steps 11-17 @sic T1-040396 sic@
3	+ts_RB_SubTest_RAB_SRB_RB10_RB20_Special (c_TFC_Allowed_0_1_2_3_12_15_16_27_29, c_TFC_Allowed_0_1_3_12_27 _43, cb_UE_TestLoopMode1LB_Setup4 (09,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String, 2, c_RB_Tx_Info (tsc_RB10,39,60), c_RB_Tx_Info (tsc_RB20,2552,60), OMIT, OMIT), 20, 1)	Subtest 13 Steps 11-17 @sic T1-040396 sic@
4	+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special(c_TFC_Allowed_0_1_2_3_12_14_15_17_27_29, c_TFC_Allowed_0_2_3_14_27_41, cb_UE_TestLoopMode1LB_Setup4 (01,tsc_RB10 103),tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info (tsc_RB10,01,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info (tsc_RB12,60,60), c_RB_Tx_Info (tsc_RB20,2552,60)), 20, 1)	Subtest 14 Steps 11-17 @sic T1-040396 sic@
5	+ts_RB_SubTest_RAB_SRB_RB20_Special (c_TFC_Allowed_0_1_2_3_12_15_27, c_TFC_Allowed_0_3_15_27_42, cb_UE_TestLo opMode1LB_Setup4 (09,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info (tsc_RB20,3832,60), OMIT, OMIT, OMIT), 20, 1)	Subtest 15 Steps 11-17 @sic T1-040396 sic@
6	+ts_RB_SubTest_RAB_SRB_RB10_RB20_Special (c_TFC_Allowed_0_1_2_3_12_13_15_16_27_29, c_TFC_Allowed_0_1_3_16_2 7_43, cb_UE_TestLoopMode1LB_Setup4 (09,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String, 2, c_RB_Tx_Info (tsc_RB10,39,60), c_RB_Tx_Info (tsc_RB20,3832,60), OMIT, OMIT), 20, 1)	Subtest 16 Steps 11-17 @sic T1-040396 sic@
7	+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special(c_TFC_Allowed_0_1_2_3_12_14_15_17_27_29, c_TFC_Allowed_0_2_3_17_27_44, cb_UE_TestLoopMode1LB_Setup4 (01,tsc_RB10 103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info (tsc_RB10,01,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info (tsc_RB12,60,60), c_RB_Tx_Info (tsc_RB20,3832,60)), 20, 1)	Subtest 17 Steps 11-17 @sic T1-040396 sic@

8	<pre> +ts_RB_SubTest_RAB_SRB_RB20_Special(c_TFC_Allowed_0_1_2_3_12_15_27,c_TFC_Allowed_0_3_18_27_45,cb_UE_TestLoopMode1LB_Setup4(39,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String,1,c_RB_Tx_Info(tsc_RB20,5112,60),OMIT,OMIT,OMIT),20,1) </pre>	Subtest 18 Steps 11-17 @sic T1-040396 sic@
9	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_12_13_15_16_27_29,c_TFC_Allowed_0_1_3_19_27_45,b_UE_TestLoopMode1LB_Setup4(39,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String,9,2,c_RB_Tx_Info(tsc_RB10,39,60),c_RB_Tx_Info(tsc_RB20,5112,60),OMIT,OMIT),20,1) </pre>	Subtest 19 Steps 11-17 @sic T1-040396 sic@
10	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special(c_TFC_Allowed_0_1_2_3_12_14_15_17_27_29,c_TFC_Allowed_0_2_3_20_27_47,b_UE_TestLoopMode1LB_Setup4(81,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String,4,c_RB_Tx_Info(tsc_RB10,81,60),c_RB_Tx_Info(tsc_RB11,103,60),c_RB_Tx_Info(tsc_RB12,60,60),c_RB_Tx_Info(tsc_RB20,5112,60)),20,1) </pre>	Subtest 20 Steps 11-17 @sic T1-040396 sic@
Detailed Comment		

Test Step	
Test Step ID:	ts_Subtests_21_To_26_TC_14_2_43_2 (p_Data_String BITSTRND)
Test Step Group Ref:	RB_StepsRB_Subtests1
Objective:	
Defaults:	
Comments:	@sic_NAPP WW#RAB4521

	Behaviour Description	Comments
1	<pre> +ts_RB_SubTest_RAB_SRB_RB20_Special(c_TFC_Allowed_0_1_2_3_12_15_27,c_TFC_Allowed_0_3_21_27_48,cb_UE_TestLoopMode1LB_Setup4(39,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String,1,c_RB_Tx_Info(tsc_RB20,6392,60),OMIT,OMIT,OMIT),20,1) </pre>	Subtest 21 Steps 11-17 @sic T1-040396 sic@
2	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_12_13_15_16_27_29,c_TFC_Allowed_0_1_3_27_27_45,b_UE_TestLoopMode1LB_Setup4(39,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String,7,c_RB_Tx_Info(tsc_RB10,39,60),c_RB_Tx_Info(tsc_RB20,6392,60),OMIT,OMIT),20,1) </pre>	Subtest 22 Steps 11-17 @sic T1-040396 sic@
3	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special(c_TFC_Allowed_0_1_2_3_12_14_15_17_27_29,c_TFC_Allowed_0_2_3_23_27_50,b_UE_TestLoopMode1LB_Setup4(81,tsc_RB10,103,tsc_RB11,60,tsc_RB12,1272,tsc_RB20),c_RAB_Tx_Info(p_Data_String,4,c_RB_Tx_Info(tsc_RB10,81,60),c_RB_Tx_Info(tsc_RB11,103,60),c_RB_Tx_Info(tsc_RB12,60,60),c_RB_Tx_Info(tsc_RB20,6392,60)),20,1) </pre>	Subtest 23 Steps 11-17 @sic T1-040396 sic@

4	<pre> +ts_RB_SubTest_RAB_SRB_RB20_Special(c_TFC_Allowed_0_1_2_3_12_15_17, c_TFC_Allowed_0_3_24_27_51, cb_UE_TestLoopMode1LB_Setup4 (38);ts_RB10, 103, ts_RB11, 60, ts_RB12, 1272, ts_RB20), c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(ts_RB20,7672,60), OMIT, OMIT, OMIT), 20, 1); </pre>	Subtest 24 Steps 11-17 @sk: T1-040298 sk@
5	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_12_13_15_16_27_29, c_TFC_Allowed_0_1_3_25_27_52, b_UE_TestLoopMode1LB_Setup4 (38);ts_RB10, 103, ts_RB11, 60, ts_RB12, 1272, ts_RB20), c_RAB_Tx_Info(p_Data_String, 2, c_RB_Tx_Info(ts_RB10,30,60), c_RB_Tx_Info(ts_RB20,7672,60), OMIT, OMIT), 20, 1); </pre>	Subtest 25 Steps 11-17 @sk: T1-040298 sk@
6	<pre> +ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20_Special(c_TFC_Allowed_0_1_2_3_12_14_15_17_27_29, c_TFC_Allowed_0_2_3_26_27_53, b_UE_TestLoopMode1LB_Setup4 (8);ts_RB10, 103, ts_RB11, 60, ts_RB12, 1272, ts_RB20), c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info(ts_RB10,81,60), c_RB_Tx_Info(ts_RB11,103,60), c_RB_Tx_Info(ts_RB12,60,60), c_RB_Tx_Info(ts_RB20,7672,60)), 20, 1); </pre>	Subtest 26 Steps 11-17 @sk: T1-040298 sk@

4.5 c_TFC_Allowed_0_1_3_4_27_31, c_TFC_Allowed_0_2_3_5_27_32, c_TFC_Allowed_0_1_3_7_27_34, c_TFC_Allowed_0_2_3_8_27_35, c_TFC_Allowed_0_1_3_10_27_37, c_TFC_Allowed_0_2_3_11_27_38, c_TFC_Allowed_0_1_3_13_27_40, c_TFC_Allowed_0_2_3_14_27_41, c_TFC_Allowed_0_1_3_16_27_43, c_TFC_Allowed_0_2_3_17_27_44, c_TFC_Allowed_0_1_3_19_27_46, c_TFC_Allowed_0_2_3_20_27_47, c_TFC_Allowed_0_1_3_22_27_49, c_TFC_Allowed_0_2_3_23_27_50, c_TFC_Allowed_0_1_3_25_27_52 and c_TFC_Allowed_0_2_3_26_27_53. (WA#RAB4519)

Test step name c_TFC_Allowed_0_1_3_4_27_31, c_TFC_Allowed_0_2_3_5_27_32, c_TFC_Allowed_0_1_3_7_27_34, c_TFC_Allowed_0_2_3_8_27_35, c_TFC_Allowed_0_1_3_10_27_37, c_TFC_Allowed_0_2_3_11_27_38, c_TFC_Allowed_0_1_3_13_27_40, c_TFC_Allowed_0_2_3_14_27_41, c_TFC_Allowed_0_1_3_16_27_43, c_TFC_Allowed_0_2_3_17_27_44, c_TFC_Allowed_0_1_3_19_27_46, c_TFC_Allowed_0_2_3_20_27_47, c_TFC_Allowed_0_1_3_22_27_49, c_TFC_Allowed_0_2_3_23_27_50, c_TFC_Allowed_0_1_3_25_27_52 and c_TFC_Allowed_0_2_3_26_27_53.

Reason for change DL_TFC1 (TF1 in RB10) is needed in the DL for subtests 4, 7, 10, 13, 16 and 19. The reason is that due to the effect of the status PDUs in AM RB20, sometimes data in AM is transmitted using DL_TFC3 (only data in RB20), so the 60 PDUs in AM are already transmitted when one or more PDUs in TM are yet to be transmitted. This data in TM can not be sent with the original allowed TFC lists as they require data on AM. So the inclusion of DL_TFC for TM in the restriction TFC lists is necessary.

The same regarding DL_TFC2 (TF2 in RB10, TF1 in RB11, TF1 in RB12, RB0 in RB20 and RB0 in DCCH) for subtests involving data transmission in RB10, RB11, RB12 and RB20 (subtests 5, 8, 11, 14, 17 and 20).

Summary of change Created new TFC_Subset constraints in order to be able to implement change propose in point 4.4.

Note the following figures represents examples of the new constraints. In the

same way, new constraints are required for all affected subtests.

Source of change New Change
Label WA#RAB4521

ASN.1 Type Constraint Declaration	
Constraint Name:	e_TFC_Allowed_0_1_3_4_27_31
Group:	
Type Name:	TFC_Subset
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP For speech combination with 4 RBs + DCCH WA#RAB4521
Constraint Value	
allowedTFC_List (0..1, 3, 4, 27, 31)	

ASN.1 Type Constraint Declaration	
Constraint Name:	e_TFC_Allowed_0_2_3_5_27_31
Group:	
Type Name:	TFC_Subset
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP For speech combination with 4 RBs + DCCH WA#RAB4521
Constraint Value	
allowedTFC_List (0..2, 3, 5, 27, 31)	

5 Branches executed in test case 14.2.43.2

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 6630

The Nokia 6630 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_43_2-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_43_2-pics-pixit-Nokia.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **R5s050099**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1275 # rev - # Current version: **5.0.0**

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 WI-012 RAB test case 14.2.58a to RAB ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 01/03/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI-012 RAB test cases 14.2.58a to the approved RAB ATS V5.0.0.
Summary of change:	# This document lists all changes applied to test case 14.2.58a required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	Other core specifications #				
	<input checked="" type="checkbox"/> Test specifications				
	<input checked="" type="checkbox"/> O&M Specifications				
Other comments:	#				

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 14.2.58a 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 14.2.58a 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 14.2.58a	2
5	Branches executed in test case 14.2.58a	2
6	Execution Log Files	2
6.1	Nokia 3G UE 6630	2
6.2	Ericsson 3G UE U100	2
7	References.....	3

3 Verification Test Summary

Test Case: TC_14_2_58a
Test Group: RAB/CombinationOnDPCH/InteractBackgrnd_StreamUnknown/
ATS Version: iWD-TVB2003-03_D05wk07 + essential modifications
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UE used: Nokia 6630 & Ericsson U100
Verification Status: PASS

4 Corrections required for test case 14.2.58a

None

5 Branches executed in test case 14.2.58a

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 6630

The Nokia 6630 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_58a-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_58a-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_58a-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 14_2_58a-pics-pixit-Ericsson.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **R5s050097**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1276 # rev - # Current version: **5.0.0**

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 WI-012 RLC test case 7.2.3.28 to RLC ATS V3.8.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 23/02/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI 12 RLC test case 7.2.3.28 to the approved RLC ATS V3.8.0.		
Summary of change:	# This document lists all changes applied to test case 7.2.3.28 required for approval. See detailed change description for further information.		
Consequences if not approved:	# Test case will not be added to ATS.		

Clauses affected:	#						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	#
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
		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

Title: Changes to test case 7.2.3.28 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 7.2.3.28, which is part of the RLC 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 7.2.3.28	2
4.1	Introduction	2
4.2	tc_7_2_3_28 (WA#RLC3409)	2
5	Branches executed in test case 7.2.3.28	3
6	Execution Log Files	3
6.1	Nokia 3G UE 6630	3
6.2	Ericsson 3G UE U100	3
7	References	4

3 Verification Test Summary

Test Case: TC_7_2_3_28
Test Group: RLC\AcknowledgedMode\StatusReporting
ATS Version: iWD-TVB2003-03_D05wk04 + essential modifications
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UEs used: Nokia 6630 + Ericsson U100
Verification Status: PASS

4 Corrections required for test case 7.2.3.28

4.1 Introduction

This section describes the changes required to make test case 7.2.3.28 run correctly with a 3G UE. All modifications are marked with label “**WA#RLC<number>**” for RLC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RLC_05wk04_B2003_03.mp which is part of the iWD-TVB2003-03_D05wk04 release. This is the second most recent ATS provided by MCC160 which contains GCF package WI 10 and WI 12 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 7.2.3.28:

4.2 tc_7_2_3_28 (WA#RLC3409)

Test case name	tc_7_2_3_28
Reason for change	Loopback size not adjusted to SDU size applied
Summary of change	Loopback size adjusted to SDU size applied, i.e. $(2 * tcv_Poll_PDU * tcv_PayloadSize - 1) * 8$. This change requires a prose CR.
Source of change	New Change
Label	WA#RLC3409

Test Case					
Test Case ID:	tc_7_2_3_28				
Test Group Reference:	RLO(AcknowledgedMode/StatusReporting)				
Purpose:	To verify that if a STATUS PDU is received with a LIST SUFI and the LENGTH field is set to "0000" that the list is discarded.				
Configuration:					
Defaults:	RLO_Default				
Comments:	References: TS 25.322 Clause 9.2.3.11.4				
#	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START (Guard: 300)			
2		+pr_DeriveSetupProcedures			
3		+pr_RB_SetupPMT(cds_RLO_InfoAM_T_3_3_28)			
4		+tr_Poll_PDU = 1		1	
5		+pr_CloseUE_TestLoop((2 * tr_Poll_PDU * tr_PayloadSize - 1) * 8)		WVPLC0488	
6	TSP	(tr_TestMode = TRUE)			
7		REPEAT tr_ToAM_7_PRRS(tr_P_NoPoll, c_ListEmitted, tr_PayloadSize) UNTIL (tr_AM_VTS = (2 * tr_Poll_PDU) - 1)		2	
8		+tr_ToAM_7_PRRS(tr_P_NoPoll, c_List_7BLL(tr_PayloadSize - 1, tr_PayloadSize - 1)		3	
9		REPEAT tr_RxPDUandCheckHeader UNTIL (tr_AM_VRR = (2 * tr_Poll_PDU) - 1)		4	
10		+tr_GetRxAM_PRRS(tr_PayloadSize - 1)		5	
11		+E_RxPDU(ct_AMD_LL_Data(c_List_7BLL(tr_PayloadSize - 1, tr_AM_InfoData))		6	
12		+E_CheckRbHeader		7	
13	TSP	(tr_TestMode = FALSE)		(P)	
14		+pr_GenerateCleanupProcedures			

5 Branches executed in test case 7.2.3.28

The test case implementation executed the CS branch and the PS branch, with Integrity activated, Ciphering disabled, AutoAttach on.

6 Execution Log Files

6.1 Nokia 3G UE 6630

The Nokia 6630 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 7_2_3_28-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 7_2_3_28-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 7_2_3_28-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 7_2_3_28-PICS-PIXIT-Ericsson.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **T1s050067**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1277 # rev - # Current version: **5.0.0**

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 WI-012 RLC test case 7.2.3.32 to RLC ATS V3.8.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 23/02/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI 12 RLC test case 7.2.3.32 to the approved RLC ATS V3.8.0.
Summary of change:	# This document lists all changes applied to test case 7.2.3.32 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	Other core specifications #				
	<input checked="" type="checkbox"/> Test specifications				
	<input checked="" type="checkbox"/> O&M Specifications				
Other comments:	#				

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 7.2.3.32 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 7.2.3.32, which is part of the RLC 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 7.2.3.32.....	2
4.1	Introduction	2
4.2	tc_7_2_3_32 (WA#RLC3400)	2
4.3	tc_7_2_3_32 (WA#RLC3401)	3
4.4	tc_7_2_3_32 (WA#RLC3408)	3
5	Branches executed in test case 7.2.3.32	5
6	Execution Log Files	5
6.1	Nokia 3G UE 6630.....	5
6.2	Ericsson 3G UE U100	5
7	References.....	5

3 Verification Test Summary

Test Case: TC_7_2_3_32
Test Group: RLC\AcknowledgedMode\StatusReporting
ATS Version: iWD-TVB2003-03_D05wk04 + essential modifications
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UEs used: Nokia 6630 + Ericsson U100
Verification Status: PASS

4 Corrections required for test case 7.2.3.32

4.1 Introduction

This section describes the changes required to make test case 7.2.3.32 run correctly with a 3G UE. All modifications are marked with label “WA#RLC<number>” for RLC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RLC_05wk04_B2003_03.mp which is part of the iWD-TVB2003-03_D05wk04 release. This is the second most recent ATS provided by MCC160 which contains GCF package WI 10 and WI 12 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 7.2.3.32:

4.2 tc_7_2_3_32 (WA#RLC3400)

Test case name tc_7_2_3_32
Reason for change line 29: error in calculation of padding halfoctets
Summary of change line 29: error in calculation of padding halfoctets solved by replacing 10 by 11
Source of change New Change
Label WA#RLC3400

R_UpdateVRH_AndCheckPollBit				
26		+bs_UpdateVRH(tcv_AMD_PDU)		
27		{tcv_AMD_PDU.pollingBit = tsc_P_NoPoll}		8
28		{tcv_AMD_PDU.pollingBit = tsc_P_Poll}		8
29		TM TxStatus	ras_StatusReq(tsc_RS_AM_7_RLC, rs_SF_Nack0(tcv_AM_VRH), (2 * (tcv_PayloadSize + 2)) - 11)	8 WA#RLC3400

4.3 tc_7_2_3_32 (WA#RLC3401)

Test case name tc_7_2_3_32

Reason for change line 23: error in calculation of padding halfoctets, and error in retrieving information from the received MRW_COMMAND

Summary of change line 23: error in calculation of padding halfoctets solved by replacing 6 by 7, and modification of the parameters passed to the MRW_ACK

Source of change New Change

Label WA#RLC3401

Line	Step	Code	Comments	Expected	Actual
14		TM ? RxAMD (txv_AMD_PDU = RxAMD.data)	var_Opband(txc_RB_AM_7_RLC, cr_AMD_U_Data(c_LIn1_7BIL)(txv_PayloadSize- 1), *))	4	
15		{ txv_NumPDUsRx = txv_NumPDUsRx + 1 }		4	
16		+E_UpdateVRH_AndCheckPcRBH		4	
17		TM ? RxAMD (txv_AMD_PDU = RxAMD.data)	var_Opband(txc_RB_AM_7_RLC, cr_AMD_Data("))	4	
18		{ txv_NumPDUsRx = txv_NumPDUsRx + 1 }		4	
19		+E_UpdateVRH_AndCheckPcRBH		4	
20		TM ? RxStatus (txv_StatusPDU = RxStatus.data)	var_StatusInd(txc_RB_AM_7_RLC)	5	
21		+E_CheckStatusPDU		5	
22		{ txv_NumMRWRx = txv_NumMRWRx + 1, txv_StatusReceived = TRUE }		5	WA#RLC3400
23		TM ! TxStatus	var_StatusReq(txc_RB_AM_7_RLC, cr_SF_MRWackAndHalfOctets(SEED0 IN TO BIT(txv_AH_VRH_12)) (2 * (txv_PayloadSize + 2)))	5	WA#RLC3401
24	TSP1	{ txv_NumPDUsRx = 8 }		(?)	7
25	TSP1	{ TRUE }		(?)	7

4.4 tc_7_2_3_32 (WA#RLC3408)

Test case name tc_7_2_3_32

Reason for change After the end of AMD PDU transmission there is no waiting for the STATUS PDU (MRW).

Summary of change After the end of AMD PDU transmission the STATUS PDU (MRW_COMMAND) is expected.

Source of change New Change

Label WA#RLC3408

Test Case					
Test Case Id:	tc_7_2_3_32				
Test Group Reference:	RLC/AcknowledgedMode/Discard				
Purpose:	1. To verify that if V(DAT) = MaxDAT for any PDU the sender initiates the SDU discard with explicit signaling procedure.				
Configuration:					
Defaults:	RLC_Default				
Comments:	References: TS 25.322 Clauses 9.4 and 11.3.4.4				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START_T_Guard(300)			
2		+pr_GenericSetupProcedures			
3		+pr_RB_SetupAM?(cbs_DefaultRLC_InfoAM)			
4		+pr_CloseUE_TestLoop((2 * tv_PayloadSize - 1) * 8)			
5		(tv_NumSDUsTx = 0, tv_NumPDUsRx = 0, tv_NumMRWsRx = 0, tv_StatusReceived = FALSE)			WA#RLC3408
6	TBB	(tv_TestBody = TRUE)			
7		REPEAT tv_TxSDU UNTIL { tv_NumSDUsTx = 2 }			1
8		REPEAT tv_RxPDU UNTIL { (tv_NumPDUsRx == 6) AND (tv_StatusReceived = TRUE) }			2 WA#RLC3408
9	TBE	(tv_TestBody = FALSE)			
10		+ps_GenericCleanupProcedures			

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
14		TM ? RvAMD (tv_AMD_PDU = RvAMD.data)	car_DataInd(tv_RB_AM_7_RLC, cr_AMD_LL_Data(c_List_TBLL(tv_PayloadSize - 1), *))		4
15		(tv_NumPDUsRx = tv_NumPDUsRx + 1)			4
16		+R_UpdateVRH_AndCheckPofBit			4
17		TM ? RvAMD (tv_AMD_PDU = RvAMD.data)	car_DataInd(tv_RB_AM_7_RLC, cr_AMD_Data(*))		4
18		(tv_NumPDUsRx = tv_NumPDUsRx + 1)			4
19		+R_UpdateVRH_AndCheckPofBit			4
20		TM ? RvStatus (tv_StatusPDU = RvStatus.data)	car_StatusInd(tv_RB_AM_7_RLC)		5
21		+R_CheckStatusPDU			9
22		(tv_NumMRWsRx = tv_NumMRWsRx + 1, tv_StatusReceived = TRUE)			WA#RLC3408
23		TM ? TvStatus	car_StatusReq(tv_RB_AM_7_RLC, cs_SF_MRWackAndNoMore(1000 B, INT_TO_BIT(tv_AM_VRH, 12)), (2 * (tv_PayloadSize + 2) - 7))		6 WA#RLC3401
24	TBP1	{ tv_NumPDUsRx = 6 }		(P)	7
25	TBF1	{ TRUE }		(F)	7

5 Branches executed in test case 7.2.3.32

The test case implementation executed the CS branch and the PS branch, with Integrity activated, Ciphering disabled, AutoAttach on.

6 Execution Log Files

6.1 Nokia 3G UE 6630

The Nokia 6630 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 7_2_3_32-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 7_2_3_32-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 7_2_3_32-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 7_2_3_32-PICS-PIXIT-Ericsson.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **T1s050069**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1278 # rev - # Current version: **5.0.0**

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 WI-012 RLC test case 7.2.3.35 to RLC ATS V3.8.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 23/02/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI 12 RLC test case 7.2.3.35 to the approved RLC ATS V3.8.0.
Summary of change:	# This document lists all changes applied to test case 7.2.3.35 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	Other core specifications #				
	<input checked="" type="checkbox"/> Test specifications				
	<input checked="" type="checkbox"/> O&M Specifications				
Other comments:	#				

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 7.2.3.35 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 7.2.3.35. which is part of the RLC 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 7.2.3.35	2
4.1	Introduction	2
4.2	tc_7_2_3_35 (WA#RLC3404)	2
4.3	ts_RB_ReconfigAM7_RLC_7_2_3_35 (WA#RLC3405)	3
4.4	c_RB_InfoReconfigList_RLC_7_2_3_35 (WA#RLC3406)	5
4.5	cd_UL_AM_RLC_SRB_RLC_7_2_3_35 (WA#RLC3407)	6
4.6	tc_7_2_3_35 (WA#RLC3410)	6
5	Branches executed in test case 7.2.3.35	7
6	Execution Log Files	7
6.1	Nokia 3G UE 6630	7
7	References	7

3 Verification Test Summary

Test Case: TC_7_2_3_35
Test Group: RLC\AcknowledgedMode\StatusReporting
ATS Version: iWD-TVB2003-03_D05wk04 + essential modifications
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UEs used: Nokia 6630
Verification Status: PASS

4 Corrections required for test case 7.2.3.35

4.1 Introduction

This section describes the changes required to make test case 7.2.3.35 run correctly with a 3G UE. All modifications are marked with label “WA#RLC<number>” for RLC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RLC_05wk04_B2003_03.mp which is part of the iWD-TVB2003-03_D05wk04 release. This is the second most recent ATS provided by MCC160 which contains GCF package WI 10 and WI 12 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 7.2.3.35:

4.2 tc_7_2_3_35 (WA#RLC3404)

Test case name tc_7_2_3_35
Reason for change erroneous RB reconfiguration
Summary of change ts_RB_ReconfigAM7_RLC_7_2_3_35 created and used
Source of change New Change
Label WA#RLC3404

t_TestBody	
11	TBS (tc_TestBody:= TRUE)
12	(tc_NumPDUsTx= 0, tc_NumPollsRx= 0, tc_NumTimeouts=0, tc_Count := (2 * 1000 / tc_TTI), tc_InvalidTimeout=FALSE, tc_RLC_WaitForPoll= FALSE)
13	+ts_RB_ReconfigAM7_RLC_7_2_3_35 (tc_DefaultCellId) (1) WA#RLC3404
14	START_TTI (2)
15	REPEAT t_TxAndRx UNTIL ((tc_NumPDUsTx=tc_Count) AND(tc_AND_BeqNum=INT_TO_BIT((tc_Count)-1,12)) OR (tc_InvalidTimeout= TRUE))
16	(tc_RLC_WaitForPoll:= TRUE)
17	REPEAT t_TxAndRx UNTIL ((tc_RLC_WaitForPoll = FALSE)) (4)
18	+t_CheckNumPolls (5)

4.3 ts_RB_ReconfigAM7_RLC_7_2_3_35 (WA#RLC3405)

Test step name ts_RB_ReconfigAM7_RLC_7_2_3_35

Reason for change appropriate test step required for RLC reconfiguration

Summary of change ts_RB_ReconfigAM7_RLC_7_2_3_35 created for RLC reconfiguration. The new test step has been created by using ts_RB_ReconfigAM7_RLC and tailoring it for the needs of tc_7_2_3_35.

Source of change New Change

Label WA#RLC3405

Test Step				
Test Step ID:	ts_RB_ReconfigAM7_RLC_7_2_3_35 (p_CellId : INTEGER)			
Test Step Group Ref:	General			
Objective:	Perform the radio bearerReconfiguration procedure as defined in 3G TS 25.331 clause 9.2.2 for an AM RAB requiring 7 bit length indicators. Tailored for the needs of tc_7_2_3_35.			
Default:	RRC Def1			
Comments:	WA#RLC3405			
Label	Behaviour Description	Constraint Ref	Verdkt	Comments
1	* ts_SetTmpCellInfo(p_CellId)			
2	CPHY1 CPHY_Frame_Number_REQ	car_GetFrameNum(p_CellId, ts_DL_DPCH1)		
3	CPHY7 CPHY_Frame_Number_CNF {cv_FrameNumber = CPHY_Frame_Number_CNF.frameNumber}	car_GetFrameNum(p_CellId, ts_DL_DPCH1)		
4	{ cv_ActTime = (256 + cv_FrameNumber - (cv_FrameNumber MOD 8 + 8)) MOD 256, cv_TOCPN = (cv_FrameNumber + (256 - 4)) MOD 256 }			
5	* E_SendRB_Reconfig			
6	AM7 RLC_AM_DATA_CNF	car_AM_DataMtxCnf(ts_CellDedicate, ts_RB2, ts_Mul)		
7	* ts_SaveCellInfo (p_CellId)			
8	* ts_RRC_ReceiveRB_ReconfigCmp(p_CellId)			
E_SendRB_Reconfig				
9	{ cv_CN_Domain = cv_domain }			
10	AM7 RLC_AM_DATA_REQ	ts_RB_ReconfigAM7Cnf(ts_CellDedicate, ts_RB2, ts_Mul, cv_RRC_RB_Reconfig(cv_CellInfo.dl_IntegrityCheckedInfo, ts_RRC_T1, cv_CellInfo.dl_Integrity, cv_ActTime, cvE_DCH, ts_DL_DPCH1_SF_RLC_7BLL OMIT, pr, OMIT, cv_RB_InfoReconfigList_RLC_7_2_3_35(ts_RB1E), OMIT, cv_UL_CommitChangeRLC_BK, cv_UL_AddReconfTransChInfoList_RLC_AM, cv_DL_CommonTransChInfoSameAsUL, cv_DL_AddReconfTransChInfoListRLC, cv_DL_InfoReconfPerRL, cv_TmpCellInfo.priSecmCode, ts_DL_DPCH1_chC_RLC_7_BLL, cv_TmpCellInfo.dl_DPCH_2nd5 (Code), ts_UL_DPCH1_SF_RLC_7BLL, ts_TmpCellInfo.ul_ScramblingCode)		WA#RLC3405

11	[!cv_CN_Domain = ps_domain]		
12	AMRRLC_AM_DATA_REQ	<pre> cas_RB_ReconfigureWithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mu, cs_RRC_RB_Reconfigure (tsc_CellInfo.dl_integrityCheckInfo, tsc_RRC_T1, tsc_CellInfo.dl_integrity, tsc_ActTime, cell_DCH, tsc_DL_DPCH1_SF_RC_TB&L, OMIT, pit, OMIT, c_RB_InfoReconfigList_RLC_?_2_3_35 (tsc_RB20), OMIT, c_UL_CommTrCHInfoRLC_8K, c_UL_AddReconfTransCHInfoList7_RLC_AM, c_DL_CommonTransCHInfoSameAsUL, c_DL_AddReconfTransCHInfoList2RLC, c_DL_informationsPerRL (tsc_TmpCellInfo.priScrmCod e,tsc_DL_DPCH1_CHC_RLC_?_B&L), tsc_TmpCellInfo. dl_DPCH_2ndScrmCode), tsc_UL_DPCH_SF_RC_TB&L, tsc_TmpCellInfo.ul_ScramblingCode } </pre>	VAARLC3405

4.4 c_RB_InfoReconfigList_RLC_7_2_3_35 (WA#RLC3406)

Constraint name	c_RB_InfoReconfigList_RLC_7_2_3_35
Reason for change	appropriate constraint required for RLC reconfiguration
Summary of change	c_RB_InfoReconfigList_RLC_7_2_3_35 created for RLC reconfiguration. The new constraint has been created by using c_RB_InfoReconfigList_RLC and tailoring it for the needs of tc_7_2_3_35.
Source of change	New Change
Label	WA#RLC3406

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RB_InfoReconfigList_RLC_7_2_3_35 (p_RAB_Id: RB_Identifi)
Group:	
Type Name:	RB_InformationReconfigList
Derivation Path:	
Encoding Variation:	
Comments:	RR5t to RR4 and RB20 WA#RLC3406
Constraint Value	
<pre> rb_Identity tsc_RB1, pdcp_Info OMT, pdcp_BN_Info OMT, rc_Info OMT, rb_MappingInfo OMT, rb_StopContinue OMT rb_Identity tsc_RB2, pdcp_Info OMT, pdcp_BN_Info OMT, rc_Info OMT, rb_MappingInfo OMT, rb_StopContinue OMT rb_Identity tsc_RB3, pdcp_Info OMT, pdcp_BN_Info OMT, rc_Info OMT, rb_MappingInfo OMT, rb_StopContinue OMT rb_Identity tsc_RB4, pdcp_Info OMT, pdcp_BN_Info OMT, rc_Info OMT, rb_MappingInfo OMT, rb_StopContinue OMT rb_Identity p_RAB_Id, pdcp_Info OMT, pdcp_BN_Info OMT, rc_Info if_RLC_Mode if_AM_RLC_Mode pd_UL_AM_RLC_SRB_RLC_7_2_3_35, if_RLC_Mode if_AM_RLC_Mode InSequenceDelivery TRUE, receivingWindowSz2 rw138, </pre>	

4.5 cd_UL_AM_RLC_SRB_RLC_7_2_3_35 (WA#RLC3407)

Constraint name cd_UL_AM_RLC_SRB_RLC_7_2_3_35

Reason for change appropriate constraint required for ul AM RLC Mode reconfiguration

Summary of change cd_UL_AM_RLC_SRB_RLC_7_2_3_35 created for ul AM RLC Mode reconfiguration. The new constraint has been created by using cd_UL_AM_RLC_SRB_RLC and tailoring it for the needs of tc_7_2_3_35.

Source of change New Change

Label WA#RLC3407

ASN.1 Type Constraint Declaration	
Constraint Name:	cd_UL_AM_RLC_SRB_RLC_7_2_3_35
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	cd_UL_AM_RLC
Encoding Variation:	
Comments:	WA#RLC3407
Constraint Value	
REPLACE mac_RST BY rs14, REPLACE pollingInfo.timerPoliProhibit BY OMIT, REPLACE pollingInfo.timerPoli BY tp500, REPLACE pollingInfo.poli_PDU BY OMIT, REPLACE pollingInfo.poli_SDU BY OMIT, REPLACE pollingInfo.lastTransmissionPDU_Poli BY FALSE, REPLACE pollingInfo.lastRetransmissionPDU_Poli BY FALSE, REPLACE pollingInfo.poliWindow BY OMIT, REPLACE pollingInfo.timerPoliPeriodic BY tpert300	

4.6 tc_7_2_3_35 (WA#RLC3410)

Test case name tc_7_2_3_35

Reason for change STATUS PDU which may arrive during the postamble is not accounted for

Summary of change STATUS PDU which may arrive during the postamble is properly ignored (mechanism in the default used: tcv_RLC_IgnoreStatus activated)

Source of change New Change

Label WA#RLC3410

Test Case					
Test Case Id:	tc_7_2_3_35				
Test Group Reference:	RLCAcknowledgedModel				
Purpose:	To verify that the UE starts to use the new set of RLC parameters when an already established AM RLC radio bearer is reconfigured.				
Configuration:					
Defaults:	RLC_Default				
Comments:	References: TS 25.321 Clause 8.6.4.9, and TS 25.322 Clause 9.5.@SIC_NAPP				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START_1_Guard(300)			
2		+pr_GenericSetupProcedures			
3		+pr_RB_SetupAM7(cbs_DefaultRLC_InfoAM)			
4		+pr_CloseUE_TestLoop((tcv_PayloadSize - 1) * 8)			
5		+t_TestBody			
6	TBE	(tcv_TestBody = FALSE)			
7		(tcv_RLC_IgnoreStatus = TRUE)			(27) WA#RLC3410
8		CANCEL_1_TTI			
9		+pa_OpenUE_TestLoop			
10		+po_GenericCleanupProcedures			

5 Branches executed in test case 7.2.3.35

The test case implementation executed the CS branch and the PS branch, with Integrity activated, Ciphering disabled, AutoAttach on.

6 Execution Log Files

6.1 Nokia 3G UE 6630

The Nokia 6630 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 7_2_3_35-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 7_2_3_35-PICS-PIXIT-Nokia.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **T1s050071**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST

34.123-3 CR 1279 # rev - # Current version: **5.0.0**

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 WI12 test case 8.1.1.9 to RRC ATS v5.0.0 (Revision of R5s050125)		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 12/04/05
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add WI12 RRC test case 8.1.1.9 to the approved RRC ATS V5.0.0
Summary of change:	# This document lists all changes applied to test cases 8.1.1.9 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	#								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;"> </td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> </table> Other core specifications #	Y	N		X				X
Y	N								
	X								
	X								
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;"> </td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> </table> O&M Specifications #				X				
	X								
Other comments:	#								

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Title: Changes to test case 8.1.1.9 required for approval
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 8.1.1.9, which are 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

1	Overview	3
2	Table of Contents	3
3	Verification Test Summary	4
4	Corrections required for test case 8.1.1.9	4
4.1	Introduction	4
4.2	Change 1	4
	Branches executed in test case 8.1.1.9	4
5	Execution Log Files	5
5.1	Nokia 6630	5
5.2	Motorola v980	5
6	References	5

3 Verification Test Summary

Test Case: tc_8_1_1_9
Test Group: RRC_Paging
ATS Version: iWD-TVB2004-12_D05wk014 + essential modifications
System Simulator used: Anite CT
UE used: Nokia 6630, Motorola v980.
Verification Status: PASS

4 Corrections required for test case 8.1.1.9

4.1 Introduction

This section describes the changes required to make test cases 8.1.1.9 run correctly with a 3G UE. The ATS version used as basis was RRC_wk14.mp, which is part of the iWD-TVB2004-12_D05wk014 release.

4.2 Change 1

Testcase	tc_8_1_1_9
Reason for change	In the testcase paging type1 message is sent at line no: 13 of the TTCN. TTCN should wait for some time between the transmission of paging type 1 message and reconfiguration SS PICH channel to ensure that the paging type 1 message reaches UE before local end modification at the SS.
Summary of change	Added a delay for 5 seconds before reconfiguring PICH channel at the SS.
Source of change	New change

Before :

13	+ts_SendPage1_ModifySI (tsc_CellA, tcv_MIB.mib_ValueTag+1)	@sic VB R5s050125 sic@
14	(cv_CellInfoA.dRX_CycleLength := c_DRX_CycleLengthStruc_Diff)	SS settings to modify DRX value

After :

13	+ts_SendPage1_ModifySI (tsc_CellA, tcv_MIB.mib_ValueTag+1)	@sic VB R5s050125 sic@
14	+ts_RRC_Delay(5000)	@
15	(cv_CellInfoA.dRX_CycleLength := c_DRX_CycleLengthStruc_Diff)	SS settings to modify DRX value

Branches executed in test case 8.1.1.9

The test case 8_1_1_9 implementation executed the CS and PS branch with integrity activated and ciphering enabled.

5 Execution Log Files

5.1 Nokia 6630

The Nokia 6630 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

➤ **Test Case Execution log file tc_8_1_1_9_Nokia-log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

5.2 Motorola v980

The Motorola v980 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

➤ **Test Case Execution log file tc_8_1_1_9_Motorola-log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

6 References

- [1] **R5s050142:** This archive comprises text format execution log file and the TTCN MP file.
-

CR-Form-v7	
CHANGE REQUEST	
⌘ 34.123-3 CR 1280 ⌘ rev - ⌘	Current version: 5.0.0 ⌘

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 WI12 test cases 8.1.2.11 to RRC ATS v3.8.0		
Source:	⌘ 3GPP TSG RAN WG5 (Testing)		
Work item code:	⌘ N/A	Date:	⌘ 22/01/05
Category:	⌘ B	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ To add WI12 RRC test case 8.1.2.11 to the approved RRC ATS V3.8.0
Summary of change:	⌘ This document lists all changes applied to test cases 8.1.2.11 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘ Test case will not be added to ATS

Clauses affected:	⌘									
Other specs affected:	<table border="1" style="font-size: x-small;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications ⌘
	Y	N								
	<input type="checkbox"/>	<input checked="" type="checkbox"/>								
	<input type="checkbox"/>	<input type="checkbox"/>								
<input type="checkbox"/>	<input checked="" type="checkbox"/>									
		O&M Specifications ⌘								
Other comments:	⌘									

How to create CRs using this form:

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

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

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

Title: Changes to test case 8.1.2.11 required for approval
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 8.1.2.11, which are 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

1	Overview	3
2	Table of Contents	3
3	Verification Test Summary	4
4	Corrections required for test case 8.1.2.11	4
4.1	Introduction	4
4.2	Change 1	4
4.3	Change 2	7
4.4	Change 3	9
	Branches executed in test case 8.1.2.11	10
5	Execution Log Files	10
5.1	Nokia 3G UE 6630	10
5.2	Motorola V980.....	10

3 Verification Test Summary

Test Case: tc_8_1_2_11
Test Group: RRC_ConnMgmt
ATS Version: iWD-TVB2003-03_D04wk51 + essential modifications
System Simulator used: Anite CT
UE used: Nokia 6630, Motorola V980.
Verification Status: PASS

4 Corrections required for test case 8.1.2.11

4.1 Introduction

This section describes the changes required to make test cases 8.1.2.11 run correctly with a 3G UE. The ATS version used as basis was RRC_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

4.2 Change 1

Testcase	tc_8_1_2_11, It_TestBody
Reason for change	<ol style="list-style-type: none">1) The SIB 11, which is being transmitted, is not at per 34.123-1 specific message content.2) As per 34.123-1, at Step 3 in RRC connection request message, SS should check initial UE identity as IMSI or TMSI or P-TMSI and CPICH_Ec_No in Measurement report on RACH.3) At line no: 19 of the testcase timer t_LowerBound is started. But this check is not required.4) After RRC connection setup complete message UE will send initial direct transfer message. In TTCN these messages are not handled.5) After call to test step ts_HO_ReconfFach_To_FACH, Cell A will be in state Cell_Fach_NoDedicated and Cell F in Cell_FACH. But these states are updated.6) Cross References are not correct.
Summary of change	<ol style="list-style-type: none">1) Created a new constraint 'cdr_SIB11_1_CellInfoRACH_8_1_2_11' and used the same at line no: 8 of the testcase instead of calling the constraint 'c_SIB11_1_CellInfoRACH'.2) Create a new constraint 'cdr_RRC_ConnReqRACH_Cpich_Ec_No' and used the same at line no: 20 of the testcase instead of calling the constraint 'cdr_RRC_ConnReqRACH'.3) Removed the starting of timer t_LowerBound from line no: 19 of the testcase.4) Call the teststep ts_NAS_ConnRejectMO after line no: 24 of the testcase.5) In line no: 25 of the testcase added a assignment as 'tcv_CellInfoA.cellConfig :=cell_FACH_NoDedicated, tcv_CellInfoF.cellConfig :=cell_FACH'.6) Updated Cross references.
Source of change	New change

Before:

Nr	Label	Behaviour Description	Constraint Ref	V..	Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+ts_RRC_InitVariables(cell_FACH)			
4		+ It_InitVariables			
5		+ts_SS_CreateCellFACH (tsc_CellA)			
6		+ts_SendDefSysInfo(tsc_CellA)			
7		+ts_IdleUpdated(tsc_CellA)			
8		+ts_SysInfoModifySIB1_And11_RRC (tsc_CellA, tcv_SIB1, c_SIB11_1_CellInfoRACH (tcv_CellInfoA), tsc_Now)			Send modified SIB11
9		+ts_SS_CreateCellFACH (tsc_CellF)			CellF is created for settings T1 in table 8.1.2.11
10		+ts_SendDefSysInfo (tsc_CellF)			
11	TBS	(tcv_TestBody:=TRUE)			
12		+It_TestBody			
13	TBE	(tcv_TestBody:=FALSE)			
14		+po_ConnectionAndSS_ReIs			
15	ERR1	[px_RAT=tdd]		I	TDD specific behaviour
16	ERR2	[TRUE]		I	
It_TestBody					
17		+ts_SetAttenuationLevel (tsc_CellA, tcv_CellInfoA.powerpC PICH+72)			step 2; Set powerlevel for cell A in T1: Table 8.1.2.11
18		+ts_AT_InitConnection (tsc_CellA)			
19	TBP1	TM ? RLC_TR_DATA_IND (tcv_InitiaUE_Id => RLC_TR_DATA_IND) M_message.uL_CCCH_Message.message.rtcConnectionRequest.initialUE_Identity) START t_LowerBound (tsc_T300_Min)	car_RRC_ConnReq (tsc_CellA, tsc_RB0, car_RRC_ConnReqRACH (tcv_RRC_EstCauM0))	(P)	step 1
20		UMIRLC_UM_DATA_REQ	cas_RRC_ConnSetup(tsc_CellA, tsc_RB0, cs_RRC_ConnSetupFACH_Freq (tcv_InitiaUE_Id, tcv_RRC_T1, tcv_CellInfoF.priScrnCode, tcv_CellInfoF.uRNTI, tcv_CellInfoF.cRNTI, tcv_CellInfoF.uL_ScramblingCode, tcv_CellInfoF.frequencyInfo))		step 4
21		+ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)			
22		+ts_HO_ReconFACH_ToFACH (tsc_CellA, tsc_CellF)			
23	TBP2	AM?RLC_AM_DATA_IND (tcv_StartList => RLC_AM_DATA_IND) M_message.uL_DCCH_Message.message.rtcConnectionSetupComplete.startList)	car_RRC_ConnSetupCmpl (tsc_CellDedicate tsc_RB2, cr_RRC_RrcConnSetupCmplRadioCap(tcv_RRC_T1, cr_RadioAccessCapabilityDef(tcv_PDCP_Capability, tcv_DL_TurboSupport, tcv_UL_TurboSupport, tcv_SimultaneousSCCPCH_DPCH_Reception, {cipheringAlgorithmCap tcv_CellInfoF.cipheringAlgorithmCapability, integrityProtectionAlgorithmCap tsc_IntegrityProtAlgCap }), c_InterSysMsgGSM))	(P)	step 6
24		+ It_GoTHEN			
25		(tcv_CellInfoA.cellConfig => cell_FACH)			

After:

1	START1_Guard		
2	[rx_RAT=tdt]		FDD specific behaviour
3	+ts_RRC_InitVariables (cell_FACH)		
4	+ t_InitVariables		
5	+ts_SS_CreateCellFACH (tsc_CellA)		
6	+ts_SendDefSysInfo (tsc_CellA)		
7	+ts_IdleUpdated (tsc_CellA)		
8	+ts_SysInfoModifySIB1_And11_RRC (tsc_CellA, tvv_SIB1, cdr_SIB1_1_1_CellInfoRACH_8_1_2_11 (tvv_CellInfoA, tvv_CellInfoB, tvv_CellInfoC, tvv_CellInfoD, tvv_CellInfoE, tvv_CellInfoF), tsc_New)		Send modified SIB1
9	+ts_SS_CreateCellFACH (tsc_CellF)		CellF is created for settings T1 in table 8.1.2.11
10	+ts_SendDefSysInfo (tsc_CellF)		
11	TBS (tvv_TestBody=TRUE)		
12	+t_TestBody		
13	TBE (tvv_TestBody=FALSE)		
14	+po_ConnectionAndSS_Rels		
15	ERR1 [rx_RAT=tdt]		TDD specific behaviour
16	ERR2 [TRUE]		
t_TestBody			
17	+ts_SetAttenuationLevel (tsc_CellA, tvv_CellInfoA.powerCPICH+72)		step 2; Set powerlevel for cell A in T1 : Table 8.1.2.11
18	+ts_AT_InitConnection (tsc_CellA)		
19	TBP1 TM ? RLC_TR_DATA_IND (tvv_InitAUE_Id => RLC_TR_DATA_IND_ID, message uL_DCCH_Message message rcConnectionRequestInitialE_Identity)	car_RRC_ConnReq (tsc_CellA, tsc_RB0, cdr_RRC_ConnReqRACH_Cpich_Ec_No (tvv_RRC_EstCauseMO))	(P) step 3
20	UMRLC_UM_DATA_REQ	car_RRC_ConnSetup (tsc_CellA, tsc_RB0, car_RRC_ConnSetupFACH_Freq (tvv_InitAUE_Id, tsc_RRC_T1, tsc_CellInfoF.priScmCode, tsc_CellInfoF.uRNTI, tsc_CellInfoF.cRNTI, tsc_CellInfoF.uL_ScramblingCode, tsc_CellInfoF.frequencyInfo))	step 4
21	+ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)		
22	+ts_HO_ReconfFACH_ToFACH (tsc_CellA, tsc_CellF)		
23	TBP2 AM?RLC_AM_DATA_IND (tvv_StartList = RLC_AM_DATA_IND, message uL_DCCH_Message message rcConnectionSetupCompleteStartList)	car_RRC_ConnSetupCmpl (tsc_CellDedicated, tsc_RB2, car_RRC_RrcConnSetupCmplRadioCap (tsc_RRC_T1, car_RadioAccessCapabilityDef (tvv_PDCP_Capability, tvv_DL_TurboSupport, tvv_UL_TurboSupport, tvv_SimultaneousSCCPCH_DPCH_Reception, (cipheringAlgorithmCap tsc_CellInfoA.cipheringAlgorithmCapability, integrityProtectionAlgorithmCap tsc_IntegrityProtectionCap)), c_InterSysMsgOSM))	(P) step 5
24	+ t_GetHFN		
25	+ts_NAS_ConnRejectMO (tsc_CellF)		
26	(tvv_CellInfoA.cellConfig => cell_FACH_NoDedicated, tvv_CellInfoA.cellConfig => cell_FACH)		

New Constraints:

ASN.1 PDU Constraint Declaration	
Constraint Name:	cdr_BIB11_1_CellInfoRACH_8_1_2_11(p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3, p_IntraCellInfo4, p_IntraCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 - CellInfoCtg)
Group:	
PDU Name:	SystemInfoType11
Derivation Path:	cb_BIB11_Def
Encoding Rule Name:	
Encoding Variation:	
Comments:	

Constraint Value	
REPLACE measurementControlSystemInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_Ec_NO.intraFreqMeasurementSystemInfo.intraFreqReportingQuantityForRACH BY	
{	
inh_SFN_OTD_Type.noReport,	
modeSpecificInfo.fdd: {	
intraFreqRepQuantityRACH_FDD.cpich_EcNO	
}	
}	
REPLACE measurementControlSystemInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_Ec_NO.intraFreqMeasurementSystemInfo.maxReportedCellsOnRACH BY currentCell	

ASN.1 PDU Constraint Declaration	
Constraint Name:	cdrrcc_ConnReqRACH_Cpich_Ec_No (p_EstCause: EstablishmentCause)
Group:	
PDU Name:	UL_CCCH_Message
Derivation Path:	ctr_10B_RRC_ConnReq
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP Defined in TS 34.102 clause 9.

Constraint Value	
REPLACE message rrcConnectionRequest.initialUE_Identity BY (c_UE_IDeFTMSI, c_UE_IDeFTMSI, c_UE_IDeFTMSI),	
REPLACE message rrcConnectionRequest.measuredResultsOnRACH BY	
{	
currentCell	
{	
modeSpecificInfo.fdd: {	
measurementQuantity.cpich_Ec_NO: ?	
}	
}	
}	

4.3 Change 2

Constraint	cs_RRC_ConnSetupFACH_Freq
Reason for change	The IE 'Downlink information per RL' in RRC Connection setup message sent at step no: 4 is not as specific message content defined in 34.123-1.
Summary of change	Modified the constraint cs_RRC_ConnSetupFACH_Freq, to call the new constraint c_DL_InfoPerRL_PriScramCode for 'Downlink information per RL'
Source of change	New change

Before:

ASN.1 PDU Constraint Declaration	
Constraint Name:	cs_RRC_ConnSetupFACH_Freq
	{
	p_InitUEId : InitUEIdentity;
	p_RRC_Ti : RRC_TransactionIdentifier;
	p_PrmbScrmCode : PrimaryScramblingCode;
	p_U_RNTI_New : U_RNTI;
	p_CRNTI_New : C_RNTI;
	p_UL_ScramblingCode : UL_ScramblingCode;
	p_FreqInfo : FrequencyInfo
	}
Group:	
PDU Name:	DL_CCCH_Message
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	Defined in TS 34.123-1 annex A

Constraint Value	
	{
	integrityCheckInfo OMIT,
	message mcConnectionSetup:
	r3 :
	{
	mcConnectionSetup_r3 --RRCConnectionSetup_r3_IEs
	{
	initUEIdentity p_InitUEId,
	mc_TransactionIdentifier p_RRC_Ti ,
	activationTime OMIT,
	new_U_RNTI p_U_RNTI_New ,
	new_c_RNTI p_CRNTI_New,
	mc_StateIndicator cell_FACH ,
	ultran_DRX_CycleLengthCoeff R,
	capabilityUpdateRequirement{
	ue_RadioCapabilityFDDUpdateRequirement TRUE,
	ue_RadioCapabilityTDDUpdateRequirement FALSE,
	systemSpecificCapUpdateReqList(gsm)
	},
	srb_InfoSetupList{
	c_SRB_InfoSetupUM_FACH (tsc_RB1,tsc_UL_DCCH1,tsc_UL_MAC_Prt1,tsc_UL_MAC_Prt1,tsc_DL_DCCH1),
	c_SRB_InfoSetupAM_FACH (tsc_RB2,tsc_UL_DCCH2,tsc_UL_MAC_Prt2,tsc_UL_MAC_Prt2,tsc_DL_DCCH2),
	c_SRB_InfoSetupAM_FACH (tsc_RB3,tsc_UL_DCCH3,tsc_UL_MAC_Prt3,tsc_UL_MAC_Prt3,tsc_DL_DCCH3),
	c_SRB_InfoSetupAM_FACH (tsc_RB4,tsc_UL_DCCH4,tsc_UL_MAC_Prt4,tsc_UL_MAC_Prt4,tsc_DL_DCCH4)
	},
	ul_CommonTransChInfo c_UL_CommonTrChInfoDCCH_13_8k,
	ul_AddReconfTransChInfoList c_UL_AddReconfTransChInfoListDCCH_3_4k,
	dl_CommonTransChInfo c_DL_CommonTransChInfoSameAsUL,
	dl_AddReconfTransChInfoList c_DL_AddReconfTransChInfoListDCCH_SRB,
	frequencyInfo p_FreqInfo,
	maxAllowedUL_TX_Power OMIT,
	ul_ChannelRequirement OMIT,
	dl_CommonInformation OMIT,
	dl_InformationPerRL_List OMIT
	},
	laterNonCriticalExtensions OMIT
	}
	}
	}

Detailed Comment

After:

ASN.1 PDU Constraint Declaration	
Constraint Name:	cs_RRC_ConnSetupFACH_Freq
	{
	p_InitUEId : InitUEIdentity;
	p_RRC_Ti : RRC_TransactionIdentifier;
	p_PrmbScrmCode : PrimaryScramblingCode;
	p_U_RNTI_New : U_RNTI;
	p_CRNTI_New : C_RNTI;
	p_UL_ScramblingCode : UL_ScramblingCode;
	p_FreqInfo : FrequencyInfo
	}
Group:	
PDU Name:	DL_CCCH_Message
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	Defined in TS 34.123-1 annex A

IT_In#Variables	
53	+ts_InitCapability
54	(trv_CellInfoF.attenuationLevel = trv_CellInfoF.powerCPICH+72, trv_CellInfoA.powerCPICH = -55)

Branches executed in test case 8.1.2.11

The test case 8_1_2_11 implementation executed the CS and PS branch with integrity activated and ciphering disabled.

5 Execution Log Files

5.1 Nokia 3G UE 6630

The Nokia 6630 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

➤ **Test Case Execution log file tc_8_1_2_11_Nokia-log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

5.2 Motorola V980

The Motorola V980 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [2]:

➤ **Test Case Execution log file tc_8_1_2_11_Motorola-log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1281 # rev - # Current version: **5.0.0**

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 WI-012 test case 8.3.1.30 to RRC ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 01/04/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI-012 RRC test cases 8.3.1.30 to the approved RRC ATS V5.0.0.
Summary of change:	# This document lists all changes applied to test case 8.3.1.30 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications	Y	N	#	X
Y	N				
#	X				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">X</td> <td style="width: 20px; text-align: center;">#</td> </tr> </table> Test specifications	X	#		
X	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">#</td> <td style="width: 20px; text-align: center;">X</td> </tr> </table> O&M Specifications	#	X		
#	X				
Other comments:	# R&S will raise a prose CR for this test case in the next RAN5 #27 Meeting. A copy for your information is provided in the zip file				

How to create CRs using this form:

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

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

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request

Title: Changes to test case 8.3.1.30 required for approval
Source: Rohde & Schwarz
Agenda Item: TTCN Issues
Document for: Approval
Contact: Paul Hawkins
paul.hawkins@rsuk.rohde-schwarz.com
Tel. +44 1252 666 227

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.1.30 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 8.3.1.30	2
4.1	Introduction	2
4.2	Tc_8_3_1_30 :lt_TestBody(WA#RRC4648)	2
4.3	Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4660)	2
4.4	Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4650)	3
4.5	Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4650)	3
4.6	Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4650)	4
4.7	Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4648)	4
4.8	Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4657)	5
4.9	cd_DCH_336_148_DL_InfoActNow_DCH4 (WA#RRC4677)	5
4.10	cd_DCH_336_148_UL_InfoActNow_DCH4 (WA#RRC4678)	5
4.11	cdr_CellUpdateT314Expiry (WA#RRC4672)	6
4.12	cdr_CellUpdateT314Expiry (WA#RRC4649)	6
4.13	cr_CounterCheckRsp (WA#RRC4658)	7
4.14	ts_SS_ConfigFACH_ToDCH_CS_PS_8_3_1_30 (WA#RRC4653)	8
4.15	ts_SS_ReconfFACH_ToDCH_CS_PS_8_3_1_30 (WA#RRC4654)	8
5	Branches executed in test case 8.3.1.30	9
6	Execution Log Files	9
6.1	Nokia 3G UE 6630	9
7	References	9

3 Verification Test Summary

Test Case: TC_8_3_1_30
Test Group: RRC_CellUpdate/
ATS Version: iWD-TVB2003-03_D05wk09 + essential modifications.
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UE used: Nokia 6630
Verification Status: PASS

4 Corrections required for test case 8.3.1.30

4.1 Introduction

This section describes the changes required to make test case 8.3.1.30 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_wk09.mp which is part of the iWD-TVB2003-03_D05wk09 release. This ATS provided by MCC160 which contains GCF package WI-010 and WI-012 test cases.

4.2 Tc_8_3_1_30 :It_TestBody(WA#RRC4648)

Test step name	It_TestBody
Reason for change	A delay is required before the power is brought down, in order to allow the Connect Acknowledge message to go through.
Summary of change	Added +ts_RRC_Delay (500) before +ts_SS_SwitchCellOff (tsc_CellA).
Source of change	New Change
Label	WA#RRC4648

12	+ts_RRC_Delay(500)	WA#RRC4648
13	+ts_SS_SwitchCellOff(tsc_CellA)	Step 1
14	+ts_SS_PowerDownToRACH_CS_PS(BH_C#BA)	TI power settings
15	+ts_SetRACH(BH_C#BA,RA,FACH)	
16	+ts_CaseA_OrB	
17	+ts_RRC_Delay(34178)	Step 8
18	+ts_SS_SwitchCellOff(tsc_CellA)	Step 9
19	+ts_C1_CoveredMode(tsc_CellA)	Step 10

4.3 Tc_8_3_1_30 : It_CaseA_OrB (WA#RRC4660)

Test step name	It_CaseA_OrB
Reason for change	According to the prose the Cell Update message should have T314

set to TRUE and T315 set to FALSE

Summary of change Used a new constraint cdr_CellUpdateT314Expiry in ts_RRC_ReceiveCellUpdateNonPeriodic

Source of change New Change

Label WA#RRC4660

4.4 Tc_8_3_1_30 : It_CaseA_OrB (WA#RRC4650)

Test step name It_CaseA_OrB

Reason for change Cell Update Confirm message is sent on RB1 and the CellID must be set to Cell Dedicated

There is a mismatch between the local configuration and cellupdate confirm message. The local configuration is set to use 64K PS configuration for UL/DL but the IEs "ul_CommonTransChInfo" , "dl_CommonTransChInfo" is not included in the Cell UpdateConfirm message. This would result in UE using the stored TransChInfos. Since the UE releases the CS Radio Bearers after T314 Expiry, It is proposed to provide the UE with 64K PS configuration in the CellUpdate Confirm message.

According to 25.331 sec8.6.5.5 & 8.6.5.6 : "UE stores the UL/DL transport channel configuration until it is explicitly deleted by a message containing the IE "Deleted DL TrCH information" or the UE leaves RRC connected mode". Since the CS Bearer is releases it is proposed to send Deleted DL TrCH information to delete the UL/DL transport channel configuration

Wrong Scrambling Code is passed & primary Scrambling code passed

Summary of change Used tsc_CellDedicated in cas_RRC_CellUpdateCnfDCCH

Used new cosntratint cds_CellUpdateCnfDCCH_64kPS which included

ul_CommonTransChInfo , ul_deletedTransChInfoList,
dl_CommonTransChInfo, dl_DeletedTransChInfoList

Changed the scrambling code to use tcv_CellInfoA.ul_ScramblingCode & used c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_DL_DPCH1_ChC_64k_PS,tcv_TmpCellInfo.dl_DPCH_2ndScrCode)

Note Prose CR is required for this Change.

Source of change New Change

Label WA#RRC4650

4.5 Tc_8_3_1_30 : It_CaseA_OrB (WA#RRC4650)

Test step name It_CaseA_OrB

Reason for change When the RadioBearer for PS was setup initially, it uses tsc_UL_DCH4 & tsc_DL_DCH4, therefore the transport channels

Label WA#RRC4650

4.8 Tc_8_3_1_30 : It_CaseA_OrB (WA#RRC4657)

Test step name It_CaseA_OrB

Reason for change Since the Connection is released and UE is in idle mode, The RLC must be Released and reconfigured to reset the Sequence Number.

The SS config must be updated to Cell_FACH_NoConn

Summary of change Added + ts_CRLC_ReIReconfSRB (tsc_CellA) and changed cell config to cell_FACH_NoConn.

Source of change New Change

Label WA#RRC4657

33	TF1	TIMEOUT_VWID			
34	TF1	AM + RLC_AM_DATA_NO_CANCEL_VWID		rlc_ConfReconfSRB (tsc_CellDedicated, tsc_PRL, rlc_ConfReconfSRB (tsc_RRC_TL, ...))	File 7
35		+ts_RSC_CellA_PRL			WA#RRC4640
36		+ts_SS_SwitchOff (tsc_CellA)			File 8
37		+ts_SS_RestoreDCH_ToFACH_CD_PS (tsc_CellA)			
38		+ts_CRLC_ReIReconfSRB (tsc_CellA)			WA#RRC4657
39		+ts_SwitchOff (tsc_CellA) (cell_Arch_NoConn)			WA#RRC4657
40		[TRUE]			Case A. Initial condition for UE was R-18.

4.9 cd_DCH_336_148_DL_InfoActNow_DCH4 (WA#RRC4677)

Constraint name cd_DCH_336_148_DL_InfoActNow_DCH4

Reason for change See Change 4.5

Summary of change Created new constraint cd_DCH_336_148_DL_InfoActNow_DCH4

Source of change New Change

Label WA#RRC4677

Constraint Name:	cd_DCH_336_148_DL_InfoActNow_DCH4
Group:	
Type Name:	CphyTrchConfigReq
Derivation Path:	c_DCH_336_148_DL_InfoActNow.
Encoding Variation:	
Comments:	WA#RRC4677
REPLACE disconnectedTrchList[0].trchid BY tsc_DL_DCH4	

4.10 cd_DCH_336_148_UL_InfoActNow_DCH4 (WA#RRC4678)

Constraint name cd_DCH_336_148_UL_InfoActNow_DCH4
Reason for change See Change 4.5
Summary of change Created new constraint cd_DCH_336_148_UL_InfoActNow_DCH4
Source of change New Change
Label WA#RRC4678

Constraint Name:	cd_DCH_336_148_UL_InfoActNow_DCH4
Group:	
Type Name:	CphyTrchConfigReq
Derivation Path:	c_DCH_336_148_UL_InfoActNow.
Encoding Variation:	
Comments:	WA#RRC4678
REPLACE ulconnectedTrchList.[0].trchid BY tsc_UL_DCH4	

4.11 cdr_CellUpdateT314Expiry (WA#RRC4672)

Constraint name cdr_CellUpdateT314Expiry
Reason for change According to the prose the Cell Update message should have T314 set to TRUE and T315 set to FALSE
Summary of change Created new constraint cdr_CellUpdateT314Expiry
Source of change New Change
Label WA#RRC4672

Constraint Name:	cdr_CellUpdateT314Expiry(p_U_RNTI : U_RNTI; p_CellUpdate_Cause : CellUpdateCause)
Group:	
PDU Name:	UL_CCCH_Message
Derivation Path:	cbr_108_CellUpdate.
Encoding Rule Name:	
Encoding Variation:	
Comments:	WA#RRC4672
REPLACE message.cellUpdate.rb_timer_indicator.t314_expired BY TRUE, REPLACE message.cellUpdate.rb_timer_indicator.t315_expired BY FALSE	

4.12 cdr_CellUpdateT314Expiry (WA#RRC4649)

Constraint name cds_CellUpdateCnfDCCH_64kPS
Reason for change See change 4.4
Summary of change Created new constraint cds_CellUpdateCnfDCCH_64kPS

Source of change New Change
 Label WA#RRC4649

ASN.1 PDU Constraint Declaration	
Constraint Name:	cbs_CellUpdateCnDCCH_B4MPS (p_IntegrityCheckInfo : IntegrityCheckInfo; p_RRC_TI: RRC_TransactionIdentifier; p_U_RNTI: U_RNTI; p_C_RNTI: C_RNTI; p_State_Ind: RRC_StateIndicator; p_UL_ChannelRequirement : UL_ChannelRequirement; p_DL_CommonInformation : DL_CommonInformation; p_DL_InformationPerRL_List : DL_InformationPerRL_List)
Group:	
PDU Name:	DL_DCCH_Message
Derivation Path:	cbs_198_CellUpdateCnDCCH
Encoding Rule Name:	
Encoding Variation:	
Comments:	WA#RRC4649
Constraint Value	
REPLACE message.cellUpdateConfirm.r3.cellUpdateConfirm.r3.ul.CommonTransChInfo BY c_UL_CommonTrChInfoDCCH_PB_64k, REPLACE message.cellUpdateConfirm.r3.cellUpdateConfirm.r3.ul.DeletedTransChInfoList BY c_UL_DeletedTransChInfoCS_Speech, REPLACE message.cellUpdateConfirm.r3.cellUpdateConfirm.r3.dl.CommonTransChInfo BY c_DL_CommonTransChInfoDCCH (c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Pb), REPLACE message.cellUpdateConfirm.r3.cellUpdateConfirm.r3.dl.DeletedTransChInfoList BY c_DL_DeletedTransChInfoCS_Speech	

4.13 cr_CounterCheckRsp (WA#RRC4658)

Constraint name cr_CounterCheckRsp
 Reason for change According to the prose the rb_COUNT_C_InformationList must not be present.
 Summary of change Changed rb_COUNT_C_InformationList to OMIT
 Source of change New Change
 Label WA#RRC4658

ASN.1 PDU	
Constraint Name:	cr_CounterCheckRsp(p_RRC_TI: RRC_TransactionIdentifier; p_RB_Id: RB_Identity; p_Count_c_ul: COUNT_C; p_Count_c_dl: COUNT_C)
Group:	
PDU Name:	UL_DCCH_Message
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP WA#RRC4658
<pre>{ integrityCheckInfo *, message counterCheckResponse : { rrc_TransactionIdentifier p_RRC_TI, rb_COUNT_C_InformationList OMIT, laterNonCriticalExtensions * --@sic ER1500 sic@ } }</pre>	

4.14 ts_SS_ConfigFACH_ToDCH_CS_PS_8_3_1_30 (WA#RRC4653)

Test Step name ts_SS_ConfigFACH_ToDCH_CS_PS_8_3_1_30
Reason for change See Change 4.5
Summary of change Created new test step
 ts_SS_ConfigFACH_ToDCH_CS_PS_8_3_1_30
Source of change New Change
Label WA#RRC4653

Test Step				
Test Step ID	ts_SS_ConfigFACH_ToDCH_CS_PS_8_3_1_30 (p_CellID INTDCH)			
Test Step Group Ref	RRC4653			
Objective	To Configure Physical channel (DPCH) and connect DCHs to the physical channel, then: SRRs in SS activate the SS user in CELL_FACH configuration.			
Default	SS_Def			
Comments	@loc: 00 15/33/4 2/15/00 2/15/00 ssg WA#RRC4653			
No.	LA	Behavior Description	Constraint Ref	Comments
1		+ ts_SetTrpCellId (p_CellId)		
2		[ts_TmpCellInfo cellConfig = cell_DCH_84PS_RAD_SRR]		
3		+ R_Config4MPS		
4	ERR	[TRUE]		Programming error
5		CPHYCPHY_RL_Setup_REQ	ra_DL_DPCH_Info (p_CellId, loc_DL_DPCH, ra_DL_DPCH_84K_PS (c_DL_CompartmentInfoLocDCH_DPCH_Default (loc_DL_DPCH_84K_PS (s), ts_TmpCellInfo aL_DPCH_Info (c))))	
6		CPHYCPHY_RL_Setup_CNF	ra_RL_SetupCnf (p_CellId, loc_DL_DPCH)	
7		CPHYCPHY_TCH_Config_REQ	ra_TCHCfgInfo (p_CellId, loc_DL_DPCH, c_TCHConfigTypeDCH_NoSH (csg_DCH_336_148_DL_Info (loc_DCH)))	
8		CPHYCPHY_TCH_Config_CNF	ra_TCHCfgCnf (p_CellId, loc_DL_DPCH)	
9		CMAC1CMAC_Config_REQ	ra_CMAC_Config (loc_CellDedicated, loc_DL_DPCH, c_Ue_Info (MIT, OMT), ra_TCHInfo (DL_336_148_DCH4, ra_TCHCfgInfo (DL_4DCH_ID (TCH_PS_DCH4))))	4: U-RNTI and C-RNTI are not needed on DPCH
10		CMAC1CMAC_Config_CNF	ra_CMAC_CfgCnf (loc_CellDedicated, loc_DL_DPCH)	
11		CPHYCPHY_RL_Sense_REQ	ra_UL_DPCH_Info (p_CellId, loc_UL_DPCH, ra_UL_DPCH_Info (loc_UL_DPCH_84K_PS (p), ts_TmpCellInfo (c), ts_TmpCellInfo (c)))	
12		CPHYCPHY_RL_Sense_CNF	ra_RL_SenseCnf (p_CellId, loc_UL_DPCH)	
13		CPHYCPHY_TCH_Config_REQ	ra_TCHCfgInfo (p_CellId, loc_UL_DPCH, c_TCHConfigTypeDCH_NoSH (csg_DCH_336_148_UL_Info (loc_DCH)))	
14		CPHYCPHY_TCH_Config_CNF	ra_TCHCfgCnf (p_CellId, loc_UL_DPCH)	
15		CMAC1CMAC_Config_REQ	ra_CMAC_Config (loc_CellDedicated, loc_UL_DPCH, c_Ue_Info (MIT, OMT), ra_TCHInfo (UL_336_148_DCH4, ra_TCHCfgInfo (UL_4DCH_ID (TCH_PS_DCH4))))	4: U-RNTI and C-RNTI are not needed on DPCH
16		CMAC1CMAC_Config_CNF	ra_CMAC_CfgCnf (loc_CellDedicated, loc_UL_DPCH)	

4.15 ts_SS_ReconfFACH_ToDCH_CS_PS_8_3_1_30 (WA#RRC4654)

Test Step name ts_SS_ReconfFACH_ToDCH_CS_PS_8_3_1_30
Reason for change See Change 4.5
Summary of change Created new test step
 ts_SS_ReconfFACH_ToDCH_CS_PS_8_3_1_30
Source of change New Change
Label WA#RRC4654

Test Step				
Test Step ID	ts_05_ReconfFACH_ToDCH_CS_PS_3_1_30 (p_Cellid: INT64R)			
Test Step Group Ref	RRM_05_Step4			
Objective	To reconfigure SS from CELL_FACH to CELL_DCH state 1= reconfigure CMAC CMAC-security (asB0) 2= create DPCH CPHV-RL-Setup (asB0), CPHV-Trch-config (cell0), CMAC-config (cell-1)			
Default	05_Drf			
Comments	@ts 0.0 181383 T1-031748 sa@ R5s050139			
No.	Ln.	Behavioral Description	Constraint Ref	Comments
1		ts_DeTtrgCellInfo (p_Cellid)		
2		+ts_CRLC_RR (s_CRLF, ts_RR, RACH_FACH)		
3		CMAC1 CMAC_Config_PDS	ca_CMAC_ReconfRtsAckNew (s_Cellid, ts_S_OCPCH, c_UE_Info (OMIT, OMIT), c_TxPwrPCH_FACH, c_TxLagMappingPCH_FACH_Cellid)	map PCH to PCH + map COCH to FACH
4		CMAC 2 CMAC_Config_CNF	ca_CMAC_CryDef (p_Cellid, ts_S_OCPCH)	
5		CMAC 1 CMAC_Config_PDS	ts_CMAC_ReconfRtsAckNew (s_Cellid, ts_PPRACH, s_UE_Info (OMIT, OMIT), ca_TxPwrPCH, ca_TxLagMappingPCH)	mapping COCH to PACH
6		CMAC 1 CMAC_Config_CNF	ts_CMAC_CryDef (s_Cellid, ts_PPRACH)	
7		ts_05_ConfigFACH_ToDCH_CS_PS_3_1_30 (p_Cellid)		Create DPCH @ts 0.0 181384 R1188 R1188 sa@
8		ts_DeTtrgCry (ts_CMA, ts_DCH_64PS_R40_PDS)		

5 Branches executed in test case 8.3.1.30

The test case implementation executed the PS branch with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 6630

The Nokia 6630 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_30-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 8_3_1_30-pics-pixit-Nokia.html**
 Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **R5s050139**
 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST

34.123-3 CR 1282 # rev - # Current version: **5.0.0**

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 WI-012 test case 8.3.7.16 to IR_U ATS 3.8.0.		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 23/02/05
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI-012 IR_U test case 8.3.7.16 to the approved IR_U ATS V3.8.0
Summary of change:	# This document lists all changes applied to test case 8.3.7.16 required for approval.
Consequences if not approved:	# The test case will not be added to the ATS.

Clauses affected:	# N/A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications Test specifications O&M Specifications	# Subclause 8.3.7.16.4 in 34.123-1
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
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.

17 Feb - 31 Dec 2005

Title: Changes to test case 8.3.7.16 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

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

1 Overview

This document is a CR on test case 8.3.7.16. It lists all the changes needed to correct detected problems in the TTCN implementation of test case 8.3.7.16 which is part of the IR_U test suite.

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

2 Table of Contents

1	Overview.....	3
2	Table of Contents	4
3	Verification Test Summary	5
4	Corrections required for test case 8.3.7.16.....	5
4.1	Introduction.....	5
4.2	Presentation of the modifications	5
4.3	Modifications inside the tc_8_3_7_16 behaviour table	7
4.4	Other modifications relevant for tc_8_3_7_16	10
4.4.1	c_SI2quarterMeasParams3G_ISHO_specific_qoffset.....	10
4.4.2	ts_G_ModifyPDP_Context_AcceptOrDeactivate	11
4.4.3	ts_GSM_InitVariablesDef_specific_qoffset.....	12
4.5	Changes referred to from previous CRs.....	13
5	Branches executed in test case 8.3.7.16	14
6	Supplementary information	14
6.1	ATS.....	14
6.2	SS Logs for Nokia UE 6630 (provided by R&S).....	14
6.3	SS Logs for Nokia UE 6630 (provided by Aeroflex)	14
7	References	14
	Annex A: List of change labels and affected TTCN objects	15

3 Verification Test Summary

Test Case:	tc_8_3_7_16
Test Group:	ISHO_UTRAN_ToGSM/
ATS Version:	IR_U_wk04.mp
System Simulator used:	Rohde & Schwarz 3G system simulators CRTU-W and CRTU-G
UE used:	Nokia UE 6630
Verification Status:	PASS

4 Corrections required for test case 8.3.7.16

4.1 Introduction

This CR presents corrections on CellReselection test case tc_8_3_7_16 required for approval.

The ATS enclosed in R5s050077.zip [1] contains the modifications of test case tc_8_3_7_16 described in this document.

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

- a) If there are new TTCN objects proposed they are marked 'New' in the ATS Reference in Annex A.
- b) All other changes on existing objects are explicitly described in this CR.

Annex A contains a table listing all change label/affected object combinations applicable to tc_8_3_7_16.

4.2 Presentation of the modifications

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

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

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

Table 1: Example Change Table

TTCN object	<i>tc_8_3_7_16</i>
Reference ATS	<i>IR_U_wk04.mp [2]</i>
Change Label	<i>WA#2G3RRC0110</i>
Reason for change	<i><Textual description of change reason>.</i>
Summary of change	<i><Textual description of performed changes></i>
Other affected objects	<i><GOTO fields to other change descriptions> (optional)</i>
ETSI comment	
R&S conclusion	

- TTCN object:** Identifier(s) of one or more TTCN objects having a global context in the TTCN ATS. Typically only one TTCN object occurs. More than one object is listed only, when:
- a) All objects belong to the same TTCN Object Class; and
 - b) All objects are either created, or are modified in the same systematic way; and
 - c) No other change is proposed for the listed objects.
- Reference ATS:** ETSI ATS containing the referred TTCN object(s), relative to which the current change description applies.
- Change Label:** Textual identifier starting with the fixed string 'WA#2G3RRC', followed by a 4-digit number (e.g. WA#2G3RRC0110). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.
- Reason for change:** Textual description of the reason why the change is proposed.
- Summary of change:** Short description of what is proposed for change.
- Other affected objects:** List of one or more GOTO fields, pointing to other TTCN objects having assigned the same Change Label, i.e. all other objects being affected by the problem giving rise to the current Change Label.
- ETSI comment:** This field may be used by ETSI colleagues giving a dedicated reply to the current CR document. Otherwise it is filled by the R&S 2G3 group when another kind of response is received from ETSI.
- R&S conclusion:** Filled by the R&S 2G3 group when the ETSI answer does not indicate acceptance of the change request.

4.3 Modifications inside the tc_8_3_7_16 behaviour table

TTCN object	tc_8_3_7_16
Reference ATS	IR_U_wk04.mp [2]
Change Label	WA#2G3RRC0538
Reason for change	The transaction identifiers for the disconnect and release command in the test step ts_G_Disconnect are wrong (the UE does not respond).
Summary of change	Add statement: (tcv_TI_S:=cs_TI_MT, tcv_TI_R.tiFlag:='1'B) before the attachment of ts_G_Disconnect in tc_8_3_7_16.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0540
Reason for change	The UE tries to reselect the UTRAN cell before PDP Modify PDP Context Activate or Deactivate.
Summary of change	Use new test step ts_GSM_InitVariablesDef_specific_qoffset instead of ts_GSM_InitVariablesDef.
Other affected objects	c_SI2quaterMeasParams3G_ISHO_specific_qoffset , ts_GSM_InitVariablesDef_specific_qoffset
ETSI comment	
Change Label	WA#2G3RRC0541
Reason for change	The PDP Modify PDP Context Accept message is sent too early (immediately after the Immediate Assignment message).
Summary of change	Use ts_RRC_Delay to delay ts_G_ModifyPDP_Context_AcceptOrDeactivate by 5000 ms.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0542
Reason for change	Before releasing all the channels the UTRAN cell should be brought to the initial state (as done in other test cases).
Summary of change	Add attachment of test step ts_SSconfigToInitialState before po_ConnectionAndSS_Rels.
Other affected objects	
ETSI comment	
R&S conclusion	

Test Case					
Test Case ID:	K_6_3_7_16				
Test Group Reference:	IGHO_UTRAN_ToGSM				
Purpose:	To test that the UE reactivates the old channel and transmits INTER-SYSTEM HANDOVER FAILURE message to the network on the old channel in UTRAN cell when it receives a INTER-SYSTEM HANDOVER COMMAND and the connection to GSM for handover cannot be established.				
Configuration:	InterSystemDef				
Defaults:	InterSystemDef				
Comments:					
No	Label	Behaviour Description	Command Ref	V	Comments
1	START_0_start				
2	{tc_RAT=td}				FDD specific behaviour
3	+tc_InitVariables				
4	+ts_SS_CreateCellDCH (tc_CellA)				Configure lower tester
5	+ts_SendDefSysInfo_LongMsgCellInfo (tc_CellA)				Sends the default system information to CellA
6	+ts_SendModReqSysInfoSIB11_12(tc_CellA)				
7	+ts_IdleUpdated(tc_CellA)				Idle Update and bring UE to CELL_DCH state and release the connection again
8	+ts_GERANCreateCell(tc_GSM_CellA, bch, SQUANT, noppS)				
9	+ts_GSM_SetCellPowerLevel2Ch(tc_GSM_CellA, tc_PhyChd, tc_PhyChf, tc_c_ChPwrLvL_0)				
10	TBB (tc_TestBody = TRUE)				
11	+tc_LocalTest				
12	TBE (tc_TestBody = FALSE)			(P)	
13	+ts_GSM_ChannelRelease(tc_GSM_CellA, tc_G_Tchd1)				To Release the Traffic channel
14	+ts_Delete_GPRS_EnterIdle(tc_GSM_CellA, tc_PhyChf, tc_ULLEEnB)				
15	+ts_Release_SS_CellRelease(tc_GSM_CellA)				
16	+ts_StopMsgToNetwork(tc_CellA)				WW#2GRR0542
17	+ts_ConnectionAndSS_Release				
18	ERR1 {tc_RAT=td}			(0)	
19	ERR2 {TRUE}			(0)	
	+tc_LocalTest				
20	+ts_SetActiveVariables				
21	+ts_CC_EnterUTR_MT_Speech(tc_CellA)				step 1 Bring the mobile into Mobile terminated CC UTR state
22	+ts_RRC_MultiCAsPS_MO_P1(tc_CellA)				
23	+ts_GSM_SetCellPowerLevel2Ch(tc_GSM_CellA, tc_PhyChd, tc_PhyChf, 7)				tc_ChPwrLvL_high
24	+ts_SS_CreatePhyChOfTrafficType(tc_GSM_CellA, tc_G_Tchd1, tc_G_Tchd1, tc_G_Tchd1, tc_G_ModeSpeechFR0HRV1, 1)				step 3
25	{tc_RR_ChannelType2 = 0, tc_RR_Subchannel2 = 15}				
26	+tc_SetTest				
	+tc_InitVariables				
27	+ts_RRC_InitVariables(cell_DCH)				
28	{tc_CellInfoAloc = 088E0, tc_CellInfoAloc = 99F0}				
29	+ts_GSM_InitVariablesDef_specific_0pfnf				WW#2GRR0540 Initialises the Variables depending on the GSM Band under usage
30	{ tc_InfoSIB11_CellA = i_SIB11_3_Info1_Info2_InterRAT_Def(tc_CellInfoA, tc_G_Tchd1, tc_CellInfoC, tc_CellInfoD, tc_CellInfoE, tc_CellInfoF, tc_G_CellInfoA, tc_G_CellInfoB); tc_InfoSIB12_CellA = i_SIB12_3_Info1_Info2_InterRAT_Def(tc_CellInfoA, tc_CellInfoB, tc_CellInfoC, tc_CellInfoD, tc_CellInfoE, tc_CellInfoF, tc_G_CellInfoA, tc_G_CellInfoB); }				
31	+ts_GPRS_InitVariablesDef				
	+tc_SubsetVariables				
32	+ts_G_HandoverCommandInitiate2E_6_5_1_7(tc_GSM_CellA, c_G_ChModeSpeechFR0HRV1)				
33	+tc_FreqBand				
	+tc_SubTest				
34	G_CL2 ? G_CL2_HsdPpchs_REQ		cdm0_G_CL2_HsdPpchs_REQ(tc_GSM_CellA, tc_G_Tchd1, tc_RR_ChannelType2, tc_RR_Subchannel2, 4)		Preparing the L1 of SS to send Physical info on receiving 4 Access Bursts
35	G_CL2 ? G_CL2_HsdPpchs_CNF		cdm0_G_CL2_HsdPpchs_CNF(tc_GSM_CellA, tc_G_Tchd1, tc_RR_ChannelType2, tc_RR_Subchannel2)		
36	+ts_TransmitPhysicalInformation(tc_G_Tchd1, tc_RR_ChannelType2)				
37	AM RLC_HandoverReq		cdm0_RLC_HandoverReq(tc_CellDedicated, tc_RR2, tc_G_HandoverFromUTRAN_CommandGSM(tc_HO_PCR_Encoding(tc_InterSystemHandoverToGSM(tc_CellInfoA, tc_IntegrityCheckInfo, tc_HandoverFromUTRANCommand_GSM(tc_RRC_T1, c_RAB_Info_T314, tc_FreqBand))), a_TTCN_HO_CommandToBitting(tc_GSM_HO_Cmd));		step 4 Sending the Handover Command
38	+ts_ReceiveHandoverAccessBurst(tc_G_Tchd1, tc_RR_ChannelType2)				
39	G_L2 ? G_L2_L2Setup_IND		cdm0_G_L2_L2Setup_IND(tc_GSM_CellA, tc_G_Tchd1, tc_RR_ChannelType2, tc_RR_Subchannel2, ")", cdm0_HOCnpfnf(tc_GSM_CellA, tc_G_Tchd1, tc_RR_ChannelType2, tc_RR_Subchannel2, tc_G_HandoverCmd_np_Normal)		step 13 Receiving Handover command with Normal RR Cause
40	TSPI G_L2 ? G_L2_DATA_IND			(P)	

41	TSP2	0_L2 ? 0_L2_DATA_IND CANCEL_VNMS	cc_0_L2_DATA_IND (tc_GSM_Cell, 0, tc_0_TrchId, tv_PP) _RR_ChannelType2, 7, 7, cc_GPRS_SUSPENSIONREQ(7, 7, 1))	step 14 Receive Suspension Req
42		(tv_TL_S=cc_TL_MT(tv_TL_R\$Flag=1B)		WW#203RRC0538
43		+ts_0_Disconnect(tc_GSM_Cell, tc_0_TrchId)		
44		+ts_0_ChannelRelease_ResumeGPRS (tc_GSM_Cell, tc_0_TrchId)		
45		+ts_U20CellChange_RAUpdate(tc_GSM_Cell, tc_PhyCh, 7, 001B)		step 16 to 18 Combined Updating
46		+ ts_InfiniteCycleTrafficClass		
47		(tv_GoS_Jv = cc_GoS_IdentifierOrBackgroundMT_M(tc_DeClass, tv_TrafficClass), tv_GoS_VpeakThroughput = 3011B)		step 19 peak throughput modified
48		+ts_RPC_Delay(500)		WW#203RRC0541
49		+ts_0_ModifyPDP_Context_AcceptOrDeactivate(tc_GSM_Cell, tc_PhyChannel, LLC_SAPI_11, tv_GoS_M)		step 19 to 22B
50		(tv_Count = 1)		UE already detached, so don't do R again
51		(TRUE)		
52		+ts_0_DetachOrSwitchOff(tc_GSM_Cell)		
53		!_FreqBand		
54		(((pc_GSM_BandUnderTest = tc_GSM_P_900Band_Test) OR (pc_GSM_BandUnderTest = tc_GSM_E_800Band_Test) OR (pc_GSM_BandUnderTest = tc_GSM_OC_S1800Band_Test) OR (pc_GSM_BandUnderTest = tc_GSM_450Band_Test) OR (pc_GSM_BandUnderTest = tc_GSM_480Band_Test))		
55		(tv_FreqBand = cc1800BandUsed)		
56		((pc_GSM_BandUnderTest = tc_GSM_PCS1900Band_Test)		
57		(tv_FreqBand = cc1800BandUsed)		
<u>Detailed Comment:</u>				

4.4 Other modifications relevant for tc_8_3_7_16

4.4.1 c_SI2quarterMeasParams3G_ISHO_specific_qoffset

TTCN object	c_SI2quarterMeasParams3G_ISHO_specific_qoffset
Reference ATS	New
Change Label	WA#2G3RRC0540
Reason for change	In test case 8_3_7_16, in order to make the UE not go back to the UTRAN cell again, the fdd_qoffset value has to be increased.
Summary of change	Define new constraint c_SI2quarterMeasParams3G_ISHO_specific_qoffset with fdd_qoffset value set to '1111'B and use it in ts_GSM_InitVariablesDef_specific_qoffset.
Other affected objects	tc_8_3_7_16 , ts_GSM_InitVariablesDef_specific_qoffset
ETSI comment	
R&S conclusion	

Structures Type Constraint Declaration			
Element Name	Element Value	Type/Encoding	Comments
Constraint Name: c_SI2quarterMeasParams3G_ISHO_specific_qoffset			
Origin:			
Type Name: SI2quarterMeasParamsDef3G			
Derivation Path:			
Extending Variable:			
Comments: WA#2G3RRC0540			
search_j	1111B		
search_C_init	1B		
ECMask	1B		
EC_Qoffset	1111B		not present #ECMask = 0 @sic T1a25881 ok @
EC_REP_QUANT	1B		not present #ECMask = 0
EC_MULTIRAT_REPORTING	1B		not present #ECMask = 0 @sic T1a25881 ok @
EC_Qmin	100B		not present #ECMask = 0
ECMask	1B		
EC_Qoffset	-		not present #ECMask = 0
EC_MULTIRAT_REPORTING	-		not present #ECMask = 0

4.4.2 ts_G_ModifyPDP_Context_AcceptOrDeactivate

TTCN object	ts_G_ModifyPDP_Context_AcceptOrDeactivate
Reference ATS	IR_U_wk04.mp [2]
Change Label	WA#2G3RRC0539
Reason for change	The transaction identifier for the Modify PDP Context Request message is wrong (the UE does not respond).
Summary of change	Add statement: (tcv_TI_S.tiFlag:='1'B) after line 1 of ts_G_ModifyPDP_Context_AcceptOrDeactivate.
Other affected objects	
ETSI comment	
R&S conclusion	

Test Step				
Test Step ID:	ts_G_ModifyPDP_Context_AcceptOrDeactivate_CelId_CelId_p_PhysicalChid_PysicalChid_p_ILLC_SAPL_v_ILLC_SAPL_v_p_qos_v_QualityOfService_v			
Test Step Group Ref:	OPRS_base00			
Observer:				
Defaults:	idmSystemOPRS			
Comments:				
No.	Behavior Description	Constraint Ref	Y.	Comments
1	+ts_DownloadTBFEstablishmentp_CelId_p_PhysicalChid_bcid()			
2	(tcv_TI_S.tiFlag='1'B)			
3	g_ILLC1 g_ILLC_UNITDATA_REQ	var_g_ILLC_UnitData_Req(tcv_ILLEBridg, tx_TLLI, tcv_ILLC_SAPL_0MM, tcv_ILLC_PM, tcv_ILLC_NoCstn, cts_Meas_PDP_ContextReq_MT(tcv_TI_S.p_ILLC_SAPL_v.p_qos_v))		WA#2G3RRC0539 Send Modify PDP Context Request message
4	+ts_UplinkTBFOsePhasep_CelId_p_PhysicalChid			
5	g_ILLC ? g_ILLC_UNITDATA_IND	var_g_ILLC_UnitData_IND(tcv_ILLEBridg, cbr_Modify_PDP_ContextReq_MO)	(P)	either receive Modify PDP Context Activation Accept message or receive Deactivate PDP Context from the UE with cause set to QoS not acceptable
6	g_ILLC ? g_ILLC_UNITDATA_IND	var_g_ILLC_UnitData_IND(tcv_ILLEBridg, cbr_Deact_PDP_ContextReq_MO(tcv_Cat_GoS_HoAct))	(P)	
7	+ts_DownloadTBFEstablishmentp_CelId_p_PhysicalChid_bcid()			
8	g_ILLC1 g_ILLC_UNITDATA_REQ	var_g_ILLC_UnitData_Req(tcv_ILLEBridg, tx_TLLI, tcv_ILLC_SAPL_0MM, tcv_ILLC_PM, tcv_ILLC_NoCstn, cts_Deact_PDP_ContextReq_MT(tcv_TI_S))		UE may optionally send Detach Request
9	START t_3000			
10	+ts_UplinkTBFOsePhasep_CelId_p_PhysicalChid			
11	g_ILLC ? g_ILLC_UNITDATA_IND	var_g_ILLC_UnitData_IND(tcv_ILLEBridg, tr_DetachRequest_MO)	(P)	
12	+ts_DownloadTBFEstablishmentp_CelId_p_PhysicalChid_bcid()			
13	g_ILLC1 g_ILLC_UNITDATA_REQ	var_g_ILLC_UnitData_Req(tcv_ILLEBridg, tx_TLLI, tcv_ILLC_SAPL_0MM, tcv_ILLC_PM, tcv_ILLC_NoCstn, cts_DataInactive)		
14	(ts_Count = 1)			Update this so that base knows not to detach on switch off
15	? TIMEOUT t_3288			

Detailed Comment:

4.4.3 ts_GSM_InitVariablesDef_specific_qoffset

TTCN object	ts_GSM_InitVariablesDef_specific_qoffset
Reference ATS	New
Change Label	WA#2G3RRC0540
Reason for change	The UE tries to reselect the UTRAN cell before PDP modify context activate or deactivate because the fdd_qoffset value is too small.
Summary of change	Define new test step ts_GSM_InitVariablesDef_specific_qoffset applying new constraint c_SI2quaterMeasParams3G_ISHO_specific_qoffset, and use it in tc_8_3_7_16 instead of ts_GSM_InitVariablesDef.
Other affected objects	tc_8_3_7_16 , c_SI2quaterMeasParams3G_ISHO_specific_qoffset
ETSI comment	
R&S conclusion	

Test Step		
Test Step ID:	ts_GSM_InitVariablesDef_specific_qoffset	
Test Step Group Ref:	Other	
Objective:		
Default:	idcrystallDef	
Comments:	VAMP2/3RRC0540	
No.	Behaviour Description	Comments
1	<pre> (sv_SI2quaterRO = c_SI2quaterRO(1B, s_SI2quater_3G_INCDEFINT_TO_BIT(sv_CellInfoA.frequencyInfo.modeSpecificInfo.fdduarfcn_DL, 14), INT_TO_BIT(sv_CellInfoA.priSpmCode, 10), 1B) c_SI2quaterMeasParams3G_ISHO_specific_qoffset) 0B, 0defT); </pre>	Set up default value of SI2quater @tsk ER1801 skip VAMP2/3RRC0540
2	<pre> (sv_GSM_BandUnderTest = ts_GSM_P_188Band_Test) OR (sv_GSM_BandUnderTest = ts_GSM_E_900Band_Test) </pre>	
3	<pre> (sv_G_CellInfoA = c_G_CellConfigInfoGSM900) </pre>	
4	<pre> (sv_GSM_BandUnderTest = ts_GSM_DCS1900Band_Test) </pre>	
5	<pre> (sv_G_CellInfoA = c_G_CellConfigInfoGSM1800) </pre>	
6	<pre> (sv_GSM_BandUnderTest = ts_GSM_450Band_Test) </pre>	
7	<pre> (sv_G_CellInfoA = c_G_CellConfigInfoGSM450) </pre>	
8	<pre> (sv_GSM_BandUnderTest = ts_GSM_400Band_Test) </pre>	
9	<pre> (sv_G_CellInfoA = c_G_CellConfigInfoGSM400) </pre>	
10	<pre> (sv_GSM_BandUnderTest = ts_GSM_PCS1900Band_Test) </pre>	
11	<pre> (sv_G_CellInfoA = c_G_CellConfigInfoGSM1800) </pre>	
12	[TRUE]	(D) terminate

4.5 Changes referred to from previous CRs

N/A

5 Branches executed in test case 8.3.7.16

The test case was executed for the GSM 900 band in CSPS Mode, automatic attach switched off, with Integrity activated and Ciphering disabled. The execution came to a PASS.

6 Supplementary information

6.1 ATS

The TTCN ATS containing modified test case tc_8_3_7_16 is IR_U_8_3_7_16.mp.

6.2 SS Logs for Nokia UE 6630 (provided by R&S)

The Nokia UE 6630 passed this test case in Combined Attach (CSPS) mode, automatic attach switched on, on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G, for the 900 MHz band. The documentation below is enclosed as evidence of the successful test case run (see R5s050077.zip [1]):

- a) **Execution log files 8-3-7-16_Rohde&Schwarz_Nokia-CSPS-AAON-900-PASS-html-logs\Index.html**
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch, automatic attach switched on, executed for the 900 MHz band, in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- b) **PICS/PIXIT file TC_8_3_7_16_Nokia_CSPS_AutoAttachOn_900_Pics_Pixit.txt**
Text file containing all PICS/PIXIT parameters used for a).

6.3 SS Logs for Nokia UE 6630 (provided by Aeroflex)

The Nokia UE 6630 passed this test case on the Aeroflex 3G System Simulators 6401 (see R5s050077.zip [1]):

- a) **Execution log files 8_3_7_16_Aeroflex_SS_Logs\tc_8_3_7_16 [2005, Fri 25Feb 03.02.47 PM] CombinedView.html_index.html**

7 References

[1]	R5s050077.zip Archive comprising HTML Execution log files, PICS/PIXIT files and the TTCN MP file for the current CR (supplementary information).
[2]	IR_U_wk04.mp ETSI InterRat UTRAN ATS, version week 04 (2005).

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#2G3RRC0538	tc_8_3_7_16	IR_U_wk04.mp [2]
WA#2G3RRC0539	ts_G_ModifyPDP_Context_AcceptOrDeactivate	IR_U_wk04.mp [2]
WA#2G3RRC0540	c_SI2quaterMeasParams3G_ISHO_specific_qoffset	New
WA#2G3RRC0540	tc_8_3_7_16	IR_U_wk04.mp [2]
WA#2G3RRC0540	ts_GSM_InitVariablesDef_specific_qoffset	New
WA#2G3RRC0541	tc_8_3_7_16	IR_U_wk04.mp [2]
WA#2G3RRC0542	tc_8_3_7_16	IR_U_wk04.mp [2]

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1283 # rev - # Current version: **5.0.0**

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:	# Regression changes on TC 8.3.9.5 – WK09		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 15/03/05
Category:	# B	Release:	# Rel-5
	<i>Use one of the following categories:</i> 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 .		<i>Use one of the following releases:</i> 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:	# Regression changes on wk09
Summary of change:	# This document lists all changes applied to test case 8.3.9.5 required for approval.
Consequences if not approved:	# Non-Conformant UE may pass the test case.

Clauses affected:	#								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px 5px;">Y</td> <td style="padding: 2px 5px;">N</td> </tr> <tr> <td style="padding: 2px 5px;">#</td> <td style="padding: 2px 5px;">X</td> </tr> <tr> <td style="padding: 2px 5px;">#</td> <td style="padding: 2px 5px;">X</td> </tr> <tr> <td style="padding: 2px 5px;">#</td> <td style="padding: 2px 5px;">X</td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N	#	X	#	X	#	X
Y	N								
#	X								
#	X								
#	X								
Other comments:	#								

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Title: Changes to test case 8.3.9.5 required for approval

Source: Aeroflex

Document for: Approval

Contact: **Kundan Sehmbey**
kundan.sehmbey@aeroflex.com
Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.3.9.5, which is part of IR_U test suite. Minimum changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

1	Overview	2
2	Table of Contents	3
3	Verification Test Summary	4
4	Corrections required for test case 8.3.9.5	4
4.1	Introduction	4
4.2	Presentation of the modifications	4
4.3	Modifications	5
5	Branches executed in test case 8.3.9.5	6

3 Verification Test Summary

Test Case: tc_8_3_9_5
Test Group: IR_U/CellReselection
ATS Version: IR_U_wk09 + modifications
System Simulator used: RIWS 6401 AIME/CT ISHO
UE used: Nokia 3G UE 6630
Verification Status: PASS

4 Corrections required for test case 8.3.9.5

4.1 Introduction

This documents lists the changes made to test case 8_3_9_5 to make it work with 3G UE. The changes made are given a change label and are explained in the following session.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	tc_8_3_9_5
Reference ATS	<i>Error! Reference source not found.</i>
Change Label	AEROFLEX#IR_U0101
Reason for change	<Textual description of change reason>.
Summary of change	<Textual description of performed changes>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Aeroflex 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:

- All objects belong to the same TTCN Object Class; and
- All objects are either created, or are modified in the same systematic way; and
- 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 'AEROFLEX#IR_U', followed by a 4-digit number (e.g. AEROFLEX#IR_U 0101). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.
- Reason for change:** Textual description of the reason why the change is proposed.
- Summary of change:** Short description of what is proposed for change.
- Other affected objects:** List of one or more fields, pointing to other TTCN objects having assigned the same Change Label, i.e. all other objects being affected by the problem-giving rise to the current Change Label.
- ETSI comment:** ETSI colleagues giving a dedicated reply to the current CR document may use this field.
- AEROFLEX conclusion:** Filled by AEROFLEX when ETSI answer does not indicate acceptance of the change request.

4.3 Modifications

Change1

TTCN object	tc_8_3_9_5
Reference ATS	IR_U_wk04.mp
Change Label	AEROFLEX#IR_U 0382
Reason for change	Preliminary verdict of Fail has to be assigned at line no 27 otherwise test case will provide pass verdict even if UE is not re-selecting GPRS cell.
Summary of change	Added (F) at verdict column at line no 27
Other affected objects	
ETSI comment	
Aeroflex conclusion	

23	G_LLC ? G_LLC_UNITDATA_IND	car_G_LLC_UnitID rls_IND(tsc_LLEE rtty, cbr_RA_UpdReq Any (? , ? , ?))	
24	*ts_DownloadTBFEstablishment(tsc_GSM_CellA, tsc_PhyCh1, bcc)		
25	G_LLC ! G_LLC_UNITDATA_REQ	cas_G_LLC_UnitID	step g
26	*t_Paging		Page the UE to check wth released all UTRAN resou.
27	?TIMEOUT t_VadMS	(F)	@sic: R5x050072 sic@
	t_InitVariables		
28	*ts_RRC_InitVariablesPS(cell_FACH)		

5 Branches executed in test case 8.3.9.5

This test case was executed with pc_CS, pc_PS, pc_GPRS set to TRUE

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1284 # rev - # Current version: **5.0.0**

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 WI-012 test case 8.4.1.6 to RRC ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 29/03/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI-012 RRC test cases 8.4.1.6 to the approved RRC ATS V5.0.0.
Summary of change:	# This document lists all changes applied to test case 8.4.1.6 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#												
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications # 34.123-1 <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">X</td> <td style="width: 20px; text-align: center;">#</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Test specifications <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">#</td> <td style="width: 20px; text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> O&M Specifications	Y	N	#	X	X	#	#	X	#	X	#	X
Y	N												
#	X												
X	#												
#	X												
#	X												
#	X												
Other comments:	# R&S will raise a prose CR for this test case (Change 4.10) in the next RAN5 #27 Meeting.												

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 8.4.1.6 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 8.4.1.6 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 8.4.1.6	2
4.1	Introduction	2
4.2	Tc_8_4_1_6 :lt_TestBody(WA#RRC4664)	2
4.3	Tc_8_4_1_6 :lt_TestBody(WA#RRC4667)	3
4.4	Tc_8_4_1_6 :lt_TestBody(WA#RRC4666)	3
4.5	Tc_8_4_1_6 :lt_TestBody(WA#RRC4668)	3
4.6	Tc_8_4_1_6 : lt_InitVariables (WA#RRC4669)	4
4.7	Tc_8_4_1_6 : lt_PhyChReconfig_CompressedModelInfo (WA#RRC4670)	5
4.8	Tc_8_4_1_6 : lt_SendPhyChConf (WA#RRC4665)	5
4.9	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode_8_4_1_6 (WA#RRC4902)	6
4.10	c_SIB12_ModifiedMeasControl_tc_8_4_1_6 (WA#RRC4671)	7
4.11	cds_PhyChReconf64k_PS_ToFACH_Compress (WA#RRC4679)	8
5	Branches executed in test case 8.4.1.6	8
6	Execution Log Files	8
6.1	Nokia 3G UE 6630	8
7	References	9

3 Verification Test Summary

Test Case: TC_8_4_1_6
Test Group: RRC_Measurements/
ATS Version: iWD-TVB2003-03_D05wk09 + essential modifications.
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UE used: Nokia 6630
Verification Status: PASS

4 Corrections required for test case 8.4.1.6

4.1 Introduction

This section describes the changes required to make test case 8.4.1.6 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_wk09.mp which is part of the iWD-TVB2003-03_D05wk09 release. This ATS provided by MCC160 which contains GCF package WI-010 and WI-012 test cases.

4.2 Tc_8_4_1_6 :lt_TestBody(WA#RRC4664)

Test step name	lt_TestBody
Reason for change	A delay is required before the local Reconfiguration is done to make sure the Physical Channel Reconfiguration message is received by the UE
Summary of change	Added + ts_RRC_Delay (tsc_WaitBeforeFACH_Conf) after +lt_SendPhyChConf
Source of change	New Change
Label	WA#RRC4664

16	TRG	(ts_TestBody = TRUE)		
16		+ts_CompressedModeCondition		
17		AM TRLC_AM_DATA_REQ	ts_MeasurementControl (ts_CellDetected, ts_RSI, ts_Meas warningConditionsFreq (ts_CellInfoA.IntegrityCheckInfo, ts_RRC_TL ts_CellInfoA.cch_RSCP, FALSE, ts_RRM_WD_DCHL, FALSE, TRUE, RR, OMT))	Step 8 in process. Send measurement control msg for CM CH_RSCP of sub4
18		(ts_Tolerance < (5*1000)/10)		
19		START_L_Waiting (5*1000 + ts_Tolerance)		Initialize the wait timer to 0 seconds
20	TBP1	T TIMEOUT_L_Waiting		(?) Timer expires the test case fails
21	TBP1	AM TRLC_AM_DATA_REQ	ts_MeasurementReport (ts_CellDetected, ts_RSI, ts_Meas warningConditionsFreq (ts_CellInfoA, OMT, OMT, 7))	Step 8 in process.
22		CANCEL_L_Waiting		Cancel timer
23		+ts_HO_ReconfFACH_ToFACH		Step 10 in process
24		+ts_RRC_Delay (ts_PhysicalFACH_Conf)		ts_HO_ReconfFACH_ToFACH
25		+ts_HO_ReconfFACH_ToFACH		SS reconfigure the Physical Channel
26	TBP2	+ts_RRC_ReceivePhysReconfConf (ts_CellA, ts_RRC_RNG_Type)		Step 11 in process
27		+ts_SystemReadySIB12_MB_RRC (ts_CellA, ts_SIB12_ModifiedMeasControl, ts CellInfoA, ts_CellInfoA, ts_CellInfoB, ts_CellInfoC, ts_CellInfoD, ts_C ellInfoE, ts_CellInfoF, ts_CellInfoG, ts_CellInfoH, ts_CellInfoI, ts_CellInfoJ, ts_CellInfoK, ts_CellInfoL, ts_CellInfoM, ts_CellInfoN, ts_CellInfoO, ts_CellInfoP, ts_CellInfoQ, ts_CellInfoR, ts_CellInfoS, ts_CellInfoT, ts_CellInfoU, ts_CellInfoV, ts_CellInfoW, ts_CellInfoX, ts_CellInfoY, ts_CellInfoZ, ts_CellInfoAA, ts_CellInfoAB, ts_CellInfoAC, ts_CellInfoAD, ts_CellInfoAE, ts_CellInfoAF, ts_CellInfoAG, ts_CellInfoAH, ts_CellInfoAI, ts_CellInfoAJ, ts_CellInfoAK, ts_CellInfoAL, ts_CellInfoAM, ts_CellInfoAN, ts_CellInfoAO, ts_CellInfoAP, ts_CellInfoAQ, ts_CellInfoAR, ts_CellInfoAS, ts_CellInfoAT, ts_CellInfoAU, ts_CellInfoAV, ts_CellInfoAW, ts_CellInfoAX, ts_CellInfoAY, ts_CellInfoAZ, ts_CellInfoBA, ts_CellInfoBB, ts_CellInfoBC, ts_CellInfoBD, ts_CellInfoBE, ts_CellInfoBF, ts_CellInfoBG, ts_CellInfoBH, ts_CellInfoBI, ts_CellInfoBJ, ts_CellInfoBK, ts_CellInfoBL, ts_CellInfoBM, ts_CellInfoBN, ts_CellInfoBO, ts_CellInfoBP, ts_CellInfoBQ, ts_CellInfoBR, ts_CellInfoBS, ts_CellInfoBT, ts_CellInfoBU, ts_CellInfoBV, ts_CellInfoBW, ts_CellInfoBX, ts_CellInfoBY, ts_CellInfoBZ, ts_CellInfoCA, ts_CellInfoCB, ts_CellInfoCC, ts_CellInfoCD, ts_CellInfoCE, ts_CellInfoCF, ts_CellInfoCG, ts_CellInfoCH, ts_CellInfoCI, ts_CellInfoCJ, ts_CellInfoCK, ts_CellInfoCL, ts_CellInfoCM, ts_CellInfoCN, ts_CellInfoCO, ts_CellInfoCP, ts_CellInfoCQ, ts_CellInfoCR, ts_CellInfoCS, ts_CellInfoCT, ts_CellInfoCU, ts_CellInfoCV, ts_CellInfoCW, ts_CellInfoCX, ts_CellInfoCY, ts_CellInfoCZ, ts_CellInfoDA, ts_CellInfoDB, ts_CellInfoDC, ts_CellInfoDD, ts_CellInfoDE, ts_CellInfoDF, ts_CellInfoDG, ts_CellInfoDH, ts_CellInfoDI, ts_CellInfoDJ, ts_CellInfoDK, ts_CellInfoDL, ts_CellInfoDM, ts_CellInfoDN, ts_CellInfoDO, ts_CellInfoDP, ts_CellInfoDQ, ts_CellInfoDR, ts_CellInfoDS, ts_CellInfoDT, ts_CellInfoDU, ts_CellInfoDV, ts_CellInfoDW, ts_CellInfoDX, ts_CellInfoDY, ts_CellInfoDZ, ts_CellInfoEA, ts_CellInfoEB, ts_CellInfoEC, ts_CellInfoED, ts_CellInfoEE, ts_CellInfoEF, ts_CellInfoEG, ts_CellInfoEH, ts_CellInfoEI, ts_CellInfoEJ, ts_CellInfoEK, ts_CellInfoEL, ts_CellInfoEM, ts_CellInfoEN, ts_CellInfoEO, ts_CellInfoEP, ts_CellInfoEQ, ts_CellInfoER, ts_CellInfoES, ts_CellInfoET, ts_CellInfoEU, ts_CellInfoEV, ts_CellInfoEW, ts_CellInfoEX, ts_CellInfoEY, ts_CellInfoEZ, ts_CellInfoFA, ts_CellInfoFB, ts_CellInfoFC, ts_CellInfoFD, ts_CellInfoFE, ts_CellInfoFF, ts_CellInfoFG, ts_CellInfoFH, ts_CellInfoFI, ts_CellInfoFJ, ts_CellInfoFK, ts_CellInfoFL, ts_CellInfoFM, ts_CellInfoFN, ts_CellInfoFO, ts_CellInfoFP, ts_CellInfoFQ, ts_CellInfoFR, ts_CellInfoFS, ts_CellInfoFT, ts_CellInfoFU, ts_CellInfoFV, ts_CellInfoFW, ts_CellInfoFX, ts_CellInfoFY, ts_CellInfoFZ, ts_CellInfoGA, ts_CellInfoGB, ts_CellInfoGC, ts_CellInfoGD, ts_CellInfoGE, ts_CellInfoGF, ts_CellInfoGG, ts_CellInfoGH, ts_CellInfoGI, ts_CellInfoGJ, ts_CellInfoGK, ts_CellInfoGL, ts_CellInfoGM, ts_CellInfoGN, ts_CellInfoGO, ts_CellInfoGP, ts_CellInfoGQ, ts_CellInfoGR, ts_CellInfoGS, ts_CellInfoGT, ts_CellInfoGU, ts_CellInfoGV, ts_CellInfoGW, ts_CellInfoGX, ts_CellInfoGY, ts_CellInfoGZ, ts_CellInfoHA, ts_CellInfoHB, ts_CellInfoHC, ts_CellInfoHD, ts_CellInfoHE, ts_CellInfoHF, ts_CellInfoHG, ts_CellInfoHH, ts_CellInfoHI, ts_CellInfoHJ, ts_CellInfoHK, ts_CellInfoHL, ts_CellInfoHM, ts_CellInfoHN, ts_CellInfoHO, ts_CellInfoHP, ts_CellInfoHQ, ts_CellInfoHR, ts_CellInfoHS, ts_CellInfoHT, ts_CellInfoHU, ts_CellInfoHV, ts_CellInfoHW, ts_CellInfoHX, ts_CellInfoHY, ts_CellInfoHZ, ts_CellInfoIA, ts_CellInfoIB, ts_CellInfoIC, ts_CellInfoID, ts_CellInfoIE, ts_CellInfoIF, ts_CellInfoIG, ts_CellInfoIH, ts_CellInfoII, ts_CellInfoIJ, ts_CellInfoIK, ts_CellInfoIL, ts_CellInfoIM, ts_CellInfoIN, ts_CellInfoIO, ts_CellInfoIP, ts_CellInfoIQ, ts_CellInfoIR, ts_CellInfoIS, ts_CellInfoIT, ts_CellInfoIU, ts_CellInfoIV, ts_CellInfoIW, ts_CellInfoIX, ts_CellInfoIY, ts_CellInfoIZ, ts_CellInfoJA, ts_CellInfoJB, ts_CellInfoJC, ts_CellInfoJD, ts_CellInfoJE, ts_CellInfoJF, ts_CellInfoJG, ts_CellInfoJH, ts_CellInfoJI, ts_CellInfoJJ, ts_CellInfoJK, ts_CellInfoJL, ts_CellInfoJM, ts_CellInfoJN, ts_CellInfoJO, ts_CellInfoJP, ts_CellInfoJQ, ts_CellInfoJR, ts_CellInfoJS, ts_CellInfoJT, ts_CellInfoJU, ts_CellInfoJV, ts_CellInfoJW, ts_CellInfoJX, ts_CellInfoJY, ts_CellInfoJZ, ts_CellInfoKA, ts_CellInfoKB, ts_CellInfoKC, ts_CellInfoKD, ts_CellInfoKE, ts_CellInfoKF, ts_CellInfoKG, ts_CellInfoKH, ts_CellInfoKI, ts_CellInfoKJ, ts_CellInfoKK, ts_CellInfoKL, ts_CellInfoKM, ts_CellInfoKN, ts_CellInfoKO, ts_CellInfoKP, ts_CellInfoKQ, ts_CellInfoKR, ts_CellInfoKS, ts_CellInfoKT, ts_CellInfoKU, ts_CellInfoKV, ts_CellInfoKW, ts_CellInfoKX, ts_CellInfoKY, ts_CellInfoKZ, ts_CellInfoLA, ts_CellInfoLB, ts_CellInfoLC, ts_CellInfoLD, ts_CellInfoLE, ts_CellInfoLF, ts_CellInfoLG, ts_CellInfoLH, ts_CellInfoLI, ts_CellInfoLJ, ts_CellInfoLK, ts_CellInfoLL, ts_CellInfoLM, ts_CellInfoLN, ts_CellInfoLO, ts_CellInfoLP, ts_CellInfoLQ, ts_CellInfoLR, ts_CellInfoLS, ts_CellInfoLT, ts_CellInfoLU, ts_CellInfoLV, ts_CellInfoLW, ts_CellInfoLX, ts_CellInfoLY, ts_CellInfoLZ, ts_CellInfoMA, ts_CellInfoMB, ts_CellInfoMC, ts_CellInfoMD, ts_CellInfoME, ts_CellInfoMF, ts_CellInfoMG, ts_CellInfoMH, ts_CellInfoMI, ts_CellInfoMJ, ts_CellInfoMK, ts_CellInfoML, ts_CellInfoMN, ts_CellInfoMO, ts_CellInfoMP, ts_CellInfoMQ, ts_CellInfoMR, ts_CellInfoMS, ts_CellInfoMT, ts_CellInfoMU, ts_CellInfoMV, ts_CellInfoMW, ts_CellInfoMX, ts_CellInfoMY, ts_CellInfoMZ, ts_CellInfoNA, ts_CellInfoNB, ts_CellInfoNC, ts_CellInfoND, ts_CellInfoNE, ts_CellInfoNF, ts_CellInfoNG, ts_CellInfoNH, ts_CellInfoNI, ts_CellInfoNJ, ts_CellInfoNK, ts_CellInfoNL, ts_CellInfoNM, ts_CellInfoNO, ts_CellInfoNP, ts_CellInfoNQ, ts_CellInfoNR, ts_CellInfoNS, ts_CellInfoNT, ts_CellInfoNU, ts_CellInfoNV, ts_CellInfoNW, ts_CellInfoNX, ts_CellInfoNY, ts_CellInfoNZ, ts_CellInfoOA, ts_CellInfoOB, ts_CellInfoOC, ts_CellInfoOD, ts_CellInfoOE, ts_CellInfoOF, ts_CellInfoOG, ts_CellInfoOH, ts_CellInfoOI, ts_CellInfoOJ, ts_CellInfoOK, ts_CellInfoOL, ts_CellInfoOM, ts_CellInfoON, ts_CellInfoOO, ts_CellInfoOP, ts_CellInfoOQ, ts_CellInfoOR, ts_CellInfoOS, ts_CellInfoOT, ts_CellInfoOU, ts_CellInfoOV, ts_CellInfoOW, ts_CellInfoOX, ts_CellInfoOY, ts_CellInfoOZ, ts_CellInfoPA, ts_CellInfoPB, ts_CellInfoPC, ts_CellInfoPD, ts_CellInfoPE, ts_CellInfoPF, ts_CellInfoPG, ts_CellInfoPH, ts_CellInfoPI, ts_CellInfoPJ, ts_CellInfoPK, ts_CellInfoPL, ts_CellInfoPM, ts_CellInfoPN, ts_CellInfoPO, ts_CellInfoPP, ts_CellInfoPQ, ts_CellInfoPR, ts_CellInfoPS, ts_CellInfoPT, ts_CellInfoPU, ts_CellInfoPV, ts_CellInfoPW, ts_CellInfoPX, ts_CellInfoPY, ts_CellInfoPZ, ts_CellInfoQA, ts_CellInfoQB, ts_CellInfoQC, ts_CellInfoQD, ts_CellInfoQE, ts_CellInfoQF, ts_CellInfoQG, ts_CellInfoQH, ts_CellInfoQI, ts_CellInfoQJ, ts_CellInfoQK, ts_CellInfoQL, ts_CellInfoQM, ts_CellInfoQN, ts_CellInfoQO, ts_CellInfoQP, ts_CellInfoQQ, ts_CellInfoQR, ts_CellInfoQS, ts_CellInfoQT, ts_CellInfoQU, ts_CellInfoQV, ts_CellInfoQW, ts_CellInfoQX, ts_CellInfoQY, ts_CellInfoQZ, ts_CellInfoRA, ts_CellInfoRB, ts_CellInfoRC, ts_CellInfoRD, ts_CellInfoRE, ts_CellInfoRF, ts_CellInfoRG, ts_CellInfoRH, ts_CellInfoRI, ts_CellInfoRJ, ts_CellInfoRK, ts_CellInfoRL, ts_CellInfoRM, ts_CellInfoRN, ts_CellInfoRO, ts_CellInfoRP, ts_CellInfoRQ, ts_CellInfoRR, ts_CellInfoRS, ts_CellInfoRT, ts_CellInfoRU, ts_CellInfoRV, ts_CellInfoRW, ts_CellInfoRX, ts_CellInfoRY, ts_CellInfoRZ, ts_CellInfoSA, ts_CellInfoSB, ts_CellInfoSC, ts_CellInfoSD, ts_CellInfoSE, ts_CellInfoSF, ts_CellInfoSG, ts_CellInfoSH, ts_CellInfoSI, ts_CellInfoSJ, ts_CellInfoSK, ts_CellInfoSL, ts_CellInfoSM, ts_CellInfoSN, ts_CellInfoSO, ts_CellInfoSP, ts_CellInfoSQ, ts_CellInfoSR, ts_CellInfoSS, ts_CellInfoST, ts_CellInfoSU, ts_CellInfoSV, ts_CellInfoSW, ts_CellInfoSX, ts_CellInfoSY, ts_CellInfoSZ, ts_CellInfoTA, ts_CellInfoTB, ts_CellInfoTC, ts_CellInfoTD, ts_CellInfoTE, ts_CellInfoTF, ts_CellInfoTG, ts_CellInfoTH, ts_CellInfoTI, ts_CellInfoTJ, ts_CellInfoTK, ts_CellInfoTL, ts_CellInfoTM, ts_CellInfoTN, ts_CellInfoTO, ts_CellInfoTP, ts_CellInfoTQ, ts_CellInfoTR, ts_CellInfoTS, ts_CellInfoTT, ts_CellInfoTU, ts_CellInfoTV, ts_CellInfoTW, ts_CellInfoTX, ts_CellInfoTY, ts_CellInfoTZ, ts_CellInfoUA, ts_CellInfoUB, ts_CellInfoUC, ts_CellInfoUD, ts_CellInfoUE, ts_CellInfoUF, ts_CellInfoUG, ts_CellInfoUH, ts_CellInfoUI, ts_CellInfoUJ, ts_CellInfoUK, ts_CellInfoUL, ts_CellInfoUM, ts_CellInfoUN, ts_CellInfoUO, ts_CellInfoUP, ts_CellInfoUQ, ts_CellInfoUR, ts_CellInfoUS, ts_CellInfoUT, ts_CellInfoUU, ts_CellInfoUV, ts_CellInfoUW, ts_CellInfoUX, ts_CellInfoUY, ts_CellInfoUZ, ts_CellInfoVA, ts_CellInfoVB, ts_CellInfoVC, ts_CellInfoVD, ts_CellInfoVE, ts_CellInfoVF, ts_CellInfoVG, ts_CellInfoVH, ts_CellInfoVI, ts_CellInfoVJ, ts_CellInfoVK, ts_CellInfoVL, ts_CellInfoVM, ts_CellInfoVN, ts_CellInfoVO, ts_CellInfoVP, ts_CellInfoVQ, ts_CellInfoVR, ts_CellInfoVS, ts_CellInfoVT, ts_CellInfoVU, ts_CellInfoVV, ts_CellInfoVW, ts_CellInfoVX, ts_CellInfoVY, ts_CellInfoVZ, ts_CellInfoWA, ts_CellInfoWB, ts_CellInfoWC, ts_CellInfoWD, ts_CellInfoWE, ts_CellInfoWF, ts_CellInfoWG, ts_CellInfoWH, ts_CellInfoWI, ts_CellInfoWJ, ts_CellInfoWK, ts_CellInfoWL, ts_CellInfoWM, ts_CellInfoWN, ts_CellInfoWO, ts_CellInfoWP, ts_CellInfoWQ, ts_CellInfoWR, ts_CellInfoWS, ts_CellInfoWT, ts_CellInfoWU, ts_CellInfoWV, ts_CellInfoWW, ts_CellInfoWX, ts_CellInfoWY, ts_CellInfoWZ, ts_CellInfoXA, ts_CellInfoXB, ts_CellInfoXC, ts_CellInfoXD, ts_CellInfoXE, ts_CellInfoXF, ts_CellInfoXG, ts_CellInfoXH, ts_CellInfoXI, ts_CellInfoXJ, ts_CellInfoXK, ts_CellInfoXL, ts_CellInfoXM, ts_CellInfoXN, ts_CellInfoXO, ts_CellInfoXP, ts_CellInfoXQ, ts_CellInfoXR, ts_CellInfoXS, ts_CellInfoXT, ts_CellInfoXU, ts_CellInfoXV, ts_CellInfoXW, ts_CellInfoXX, ts_CellInfoXY, ts_CellInfoXZ, ts_CellInfoYA, ts_CellInfoYB, ts_CellInfoYC, ts_CellInfoYD, ts_CellInfoYE, ts_CellInfoYF, ts_CellInfoYG, ts_CellInfoYH, ts_CellInfoYI, ts_CellInfoYJ, ts_CellInfoYK, ts_CellInfoYL, ts_CellInfoYM, ts_CellInfoYN, ts_CellInfoYO, ts_CellInfoYP, ts_CellInfoYQ, ts_CellInfoYR, ts_CellInfoYS, ts_CellInfoYT, ts_CellInfoYU, ts_CellInfoYV, ts_CellInfoYW, ts_CellInfoYX, ts_CellInfoYY, ts_CellInfoYZ, ts_CellInfoZA, ts_CellInfoZB, ts_CellInfoZC, ts_CellInfoZD, ts_CellInfoZE, ts_CellInfoZF, ts_CellInfoZG, ts_CellInfoZH, ts_CellInfoZI, ts_CellInfoZJ, ts_CellInfoZK, ts_CellInfoZL, ts_CellInfoZM, ts_CellInfoZN, ts_CellInfoZO, ts_CellInfoZP, ts_CellInfoZQ, ts_CellInfoZR, ts_CellInfoZS, ts_CellInfoZT, ts_CellInfoZU, ts_CellInfoZV, ts_CellInfoZW, ts_CellInfoZX, ts_CellInfoZY, ts_CellInfoZZ	Step 12 & 13 in process. SS reconf MB and RB 12	

4.3 Tc_8_4_1_6 :It_TestBody(WA#RRC4667)

Test step name	It_TestBody
Reason for change	The test step ts_HO_ReconfFACH_ToFACH can be used to move from CellA to Cell D (as approved testcases uses this test step) after Cell Update message is received.
Summary of change	Removed ts_SS_Reconfig_DedicatedCh (tsc_CellID , tsc_CellA). Added +ts_HO_ReconfFACH_ToFACH (tsc_CellA, tsc_CellID) & +ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellID, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI) , To move to Cell FACH and use U-RNTI in the MAC Header.
Source of change	New Change
Label	WA#RRC4667

4.4 Tc_8_4_1_6 :It_TestBody(WA#RRC4666)

Test step name	It_TestBody
Reason for change	The UE would take more time to do inter-Reselection, therefore increased to 200 sec to allow UE enough time to do a reselection. (The logs provided here shows that UE reselects within 6sec)
Summary of change	Increased the delay to 200sec and also the value used in the tolerance calculation.
Source of change	New Change
Label	WA#RRC4666

4.5 Tc_8_4_1_6 :It_TestBody(WA#RRC4668)

Test step name	It_TestBody
Reason for change	Constant is defined for the C-RNTI and the variable needs to be updated as

Cell A config value.

A Delay is required to make sure that the Cell Update confirm message is sent.

To use the constant C-RNTI in ts_CMAC_NewU_RNTI_Reconf

Summary of change Used tsc_New_CRNTI2 and updated (tcv_CellInfoA.cRNTI :=tsc_New_CRNTI2)

Added +ts_RRC_Delay (30)

Used tsc_New_CRNTI2 in test step +ts_CMAC_NewU_RNTI_Reconf.

Source of change New Change

Label WA#RRC4668



4.6 Tc_8_4_1_6 : It_InitVariables (WA#RRC4669)

Test step name It_InitVariables

Reason for change The Primary scrambling code of Cell D must not be set to the same value as Cell A, Therefore set to 250

Summary of change Changed cellinfo initialisation value for primary scrambling code to px_PriScrmCode+150

Source of change New Change

Label WA#RRC4669

Summary of change Removed CPHY_RL_Modify_REQ/CNF for UL/DL-DPCH
 Set Activation time to OMIT.
 Removed activation Time test step just before It_SendPhyChConf

Source of change New Change

Label WA#RRC4665



4.9 c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode_8_4_1_6 (WA#RRC4902)

Constraint name c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode_8_4_1_6

Reason for change The TGPS Status must be set to Activate according to the prose.

Summary of change Created new constraint .

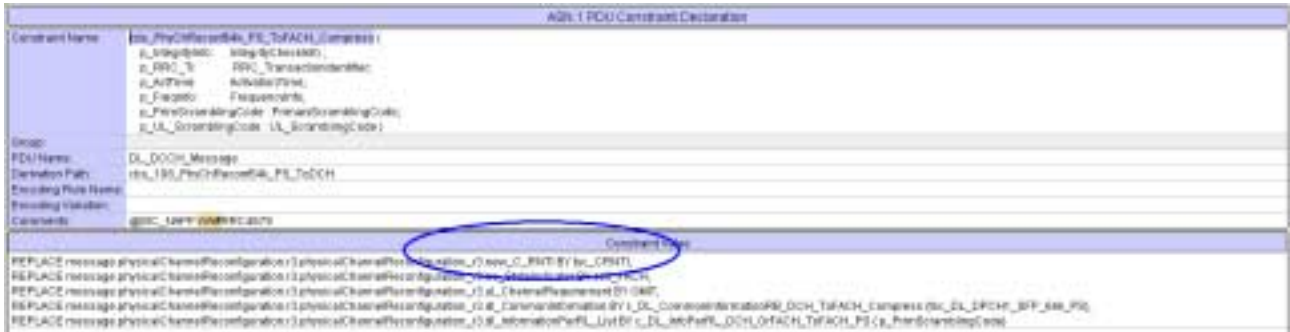
Source of change New Change

Label WA#RRC4902



4.11 cds_PhyChReconf64k_PS_ToFACH_Compress (WA#RRC4679)

Constraint name	cds_PhyChReconf64k_PS_ToFACH_Compress
Reason for change	C-RNTI is required when UE moved to FACH.
Summary of change	Included C-RNTI.
Source of change	New Change
Label	WA#RRC4679



5 Branches executed in test case 8.4.1.6

The test case implementation executed the PS branch with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 6630

The Nokia 6630 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_4_1_6-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 8_4_1_6-pics-pixit-Nokia.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **R5s050133**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1285 # rev - # Current version: **5.0.0**

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 WI-012 NAS test case 9.4.5.4.6 to NAS ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 30/03/2005
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI -012 NAS test case 9.4.5.4.6 to the approved NAS ATS V5.0.0.
Summary of change:	# This document lists all changes applied to test case 9.4.5.4.6 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#					
Other specs affected:	#					
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	#
Y	N					
<input type="checkbox"/>	<input checked="" type="checkbox"/>					
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	#
Y	N					
<input type="checkbox"/>	<input checked="" type="checkbox"/>					
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	#
Y	N					
<input type="checkbox"/>	<input checked="" type="checkbox"/>					
Other comments:	#					

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 9.4.5.4.6 required for approval
Source: Rohde & Schwarz
Agenda Item: TTCN Issues
Document for: Approval
Contact: Paul Hawkins
paul.hawkins@rsuk.rohde-schwarz.com
Tel. +44 1252 666 227

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.5.4.6. 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 9.4.5.4.6.....	2
4.1	Introduction	2
4.2	It_Start3Cells (WA#NAS4722).....	2
4.3	tc_9_4_5_4_6 (WA#NAS4723)	3
4.4	tc_9_4_5_4_6 (WA#NAS4724)	3
4.5	It_Continue (WA#NAS4725).....	4
4.6	It_Continue (WA#NAS4726).....	4
4.7	It_Steps_19To21 (WA#NAS4727).....	4
5	Branches executed in test case 9.4.5.4.6	5
6	Execution Log Files	5
6.1	Motorola 3G UE	5
6.2	Qualcomm 3G UE.....	5
7	References.....	6

3 Verification Test Summary

Test Case: TC_9_4_5_4_6
Test Group: GMM\ServiceRequest_procedures
ATS Version: iWD-TVB2003-03_D05wk09 + essential modifications
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UEs used: Motorola & Qualcomm
Verification Status: PASS

4 Corrections required for test case 9.4.5.4.6

4.1 Introduction

This section describes the changes required to make test case 9.4.5.4.6 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_05wk09_B2003_03.mp which is part of the iWD-TVB2003-03_D05wk09 release. This is the second most recent ATS provided by MCC160 which contains GCF package WI 10 and WI 12 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 9.4.5.4.6:

4.2 It_Start3Cells (WA#NAS4722)

Test case name tc_9_4_5_4_6
Reason for change Modified cell specific values for Cell A , Cell D and Cell G have not been broadcasted
Summary of change System information is broadcasted for Cell A,D and G with modified values
Source of change New Change
Label WA#NAS4722

It_Start3Cells			
23		(tc_CellInfoA.attenuationLevel=tc_AlternationNonSubableNeighbourCell, tc_CellInfoA.adFlag= tc_ABOE, tc_CellInfoA13212= tc_T3212_1)	Set specific values for Cell A
24		!tc_MM_StartCellA	Start Cell A
25		+!tc_SystemInfoModifyMMI tc_CellA, tc_CellInfoA.mcc, tc_CellInfoA.mnc, tc_CellInfoA.lac, tc_CellInfoA.adFlag, tc_CellInfoA13212, tc_CellInfoA.rac, tc_CellInfoA.mcc)	WA#NAS4722

26		<pre> -!sv_CellInfoD.attenuationLevel=tsc_At tenuationServingCell, !sv_CellInfoD.mcc=tsc_MCC_022, !sv_CellInfoD.mnc=tsc_MNC_DeI, !sv_CellInfoD.lac=tsc_LAC_2, !sv_CellInfoD.abFlag=tsc_ABOf, !sv_CellInfoD.t3212=tsc_T3212_1) </pre>		Set specific values for Cell D
27		+!s_MM_StartCellID		Start Cell D
28		<pre> +!s_BySystemModifMMI, !sv_CellID, !sv_CellInfoD.mcc, !sv_CellInfoD.mnc, !sv_CellInfoD.lac, !sv_CellInfoD.abFlag, !sv_CellInfoD.t3212, !sv_CellInfoD.rat, !sv_CellInfoD.nmci) </pre>		WA#NAS4722
29		<pre> !sv_CellInfoG.attenuationLevel=tsc_ AttenuationNonSustainableNeighbourCell, !sv_CellInfoG.mcc=tsc_MCC_022, !sv_CellInfoG.mnc=tsc_MNC_3, !sv_CellInfoG.lac=tsc_LAC_3, !sv_CellInfoG.abFlag=tsc_ABOf, !sv_CellInfoG.t3212=tsc_T3212_1) </pre>		Set specific values for Cell G
30		+!s_MM_StartCellID		Start Cell G
31		<pre> +!s_SystemModifMMI, !sv_CellID, !sv_CellInfoG.mcc, !sv_CellInfoG.mnc, !sv_CellInfoG.lac, !sv_CellInfoG.abFlag, !sv_CellInfoG.t3212, !sv_CellInfoG.rat, !sv_CellInfoG.nmci) </pre>		WA#NAS4722

4.3 tc_9_4_5_4_6 (WA#NAS4723)

Test case name tc_9_4_5_4_6

Reason for change Incorrect Cause(tsc_RejCauPLMN_Not) for PS Registration Reject . This cause would put the current PLMN into forbidden list . To satisfy the following initial conditions of UE (The location area information on the USIM is "deleted") cause for PS Registration Reject should be tsc_RejCauLA_Not Added (tcv_PSRegistrationRejectCause:=tsc_RejCauLA_Not) at line 7

Source of change New Change

Label WA#NAS4723

6		+!t_StartCells		3
7		<pre> !sv_CSRegistrationRejectCause = tsc_ RejCauLA_Not,tcv_PSRegistrationRej ectCause=tsc_RejCauLA_Not </pre>		WA#NAS4723
8		+!s_RegistrationReject(tsc_CellID)		

4.4 tc_9_4_5_4_6 (WA#NAS4724)

Test case name tc_9_4_5_4_6

Reason for change Detach Procedure on switch off cannot be done as UE has not successfully attached before.

Summary of change Removed It_Switchoff at line 9

Source of change New Change

Label WA#NAS4724

4.5 It_Continue (WA#NAS4725)

Test case name tc_9_4_5_4_6

Reason for change As per 3gpp spec 23.122 clause 4.4.3.3 UE should camp after a period of atleast 2 minutes. The teststep ts_RRC_RandAccFail is added to check that UE does not camp on any cell within 2 minutes.

Summary of change Added +ts_RRC_RandAccFail(108000) at line 20

Source of change New Change

Label WA#NAS4725

18	+ts_SetAttenuationLevel(ts_Cell0, ts_Attenuation(SuitableNeighbourCell)	Step 9 Set cell 0 attenuation level to "suitable"
19	+It_Continue	
20	+ts_RRC_RandAccFail(108000)	WA#NAS4725

4.6 It_Continue (WA#NAS4726)

Test case name tc_9_4_5_4_6

Reason for change

Summary of change Added ts_MM_LupPer2wIP at line

Source of change New Change

Label WA#NAS4726

21	+ts_MM_LupPer2wIP(ts_Cell0, 200000, trv_CellInfo0.mcc, trv_CellInfo0.mnc, trv_CellInfo0.lac, ts_LUT_Normal)	Steps 10-13 WA#NAS4726
22	+ts_RRC_ConnRel(ts_Cell0, cell_Dch)	Step 14 Connection Release

4.7 tc_9_4_5_4_6 (WA#NAS4727)

Test case name tc_9_4_5_4_6

Reason for change As per test purpose , UE should be in Automatic mode. Testcase selection expression is wrong.

Summary of change Added MM_SelExp04 (MM_SelExp01 AND pc_AutomaticAttachSwitchON)

Source of change New Change

Label WA#NAS4727

Test Case Index			
Test Group Reference	Test Case Id	Selection Ref	Description
NM/LocationUpdating/Periodic/	tc_9_4_5_4_6	MM_SelExp04	Location Updating after UE power of f WA#NAS4727

Test Case Selection Expression Definitions			
Group:			
Selection Ref	SelectExpression	Comments	
MM_SelExp01	nr_CS		
MM_SelExp04	MM_SelExp01 AND pc_AutomaticAttachSwitchON	WA#NAS4727	

5 Branches executed in test case 9.4.5.4.6

The test case implementation executed the PS branch,NMO II with Integrity activated, Ciphering disabled, AutoAttach on.

6 Execution Log Files

6.1 Motorola 3G UE

The Motorola V980 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_4_6-Motorola-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_4_6-pics-pixit-Motorola.html**
Text file containing all PICS/PIXIT parameters used for testing.

6.2 Qualcomm 3G UE

The Qualcomm 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_4_6-Qualcomm-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_4_6-pics-pixit-Qualcomm.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

- [1] **R5s050137**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1286 # rev - # Current version: **5.0.0**

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 P4 test case 12.4.1.4c Proc1 to NAS ATS V5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 11/05/05
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF P4 NAS test case 12.4.1.4c Proc1 to the approved NAS ATS V5.0.0
Summary of change:	# This document lists all changes applied to test case 12.4.1.4c Proc1 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	#								
Other specs affected:	#								
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	#	X	#	X	#	X
Y	N								
#	X								
#	X								
#	X								
	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.

Title: Changes to test case 12.4.1.4c Proc1 required for approval
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 12.4.1.4c Proc1, which is part of the NAS test suite.

With following changes applied the test case can be demonstrated to run with one 3G UE.

2 Table of Contents

1	Overview	3
2	Table of Contents	3
3	Verification Test Summary	4
4	Corrections required for test case 12.4.1.4c Proc1	4
4.1	Introduction	4
4.2	Change 1	4
	Branches executed in test case 12.4.1.4c Proc1	5
5	Execution Log Files	5
5.1	Ericsson U100.....	5
6	References.....	5

3 Verification Test Summary

Test Case: tc_12_4_1_4c1
Test Group: GMM/Routing_Area_Updating/PS_Only_RAU
ATS Version: iWD-TVB2004-12_D05wk017 + modifications mentioned in Section 4
System Simulator used: Anite 3G U-SAT
UE used: Ericsson U100
Verification Status: PASS

4 Corrections required for test case 12.4.1.4c Proc1

4.1 Introduction

This section describes the changes required to make test case 12.4.1.4c Proc1 run correctly with 3G UE. The ATS version used as basis was NAS_wk17.mp, which is part of the iWD-TVB2004-12_D05wk017 release.

4.2 Change 1

Test step name tc_12_4_1_4c1
Reason for change After Routing Area Update Request from UE, Security Mode procedure is not required. TS 34.123-1 Section 12.4.1.4c Proc1 after Step#8 does not specify to perform Security Mode procedure.
Summary of change At line#34 call to test step ts_RRC_Security is removed.

Before change:

33		+ ts_SS_SecurityDownloadStart (ps_domain, tvv_Start)		
34		+ ts_RRC_Security (tsc_CellB, tvv_PS_AuthCK, tvv_PS_AuthIK, tvv_AuthKcGSM, FALSE, ps_domain)		
35		DoI RRC_DataReq	ca_PS_DataReq(tsc_CellD edicated, tsc_RB3, cs_RA_Upgrade) ('DE'0))	Step 9. ROUTING AREA UPDATING R EJECT - cause = "PS services not allowed in this PLMN"

After change:

33		+ ts_SS_SecurityDownloadStart (ps_domain, tvv_Start)		
34		DoI RRC_DataReq	ca_PS_DataReq(tsc_CellD edicated, tsc_RB3, cs_RA_Upgrade) ('DE'0))	Step 9. ROUTING AREA UPDATING REJECT - cause = "PS services not allowed in this PLMN"

Branches executed in test case 12.4.1.4c Proc1

The test case implementation executed the UE operation modeC PS branch with Auto Attach enabled, integrity activated and ciphering enabled.

5 Execution Log Files

5.1 Ericsson U100

The Ericsson U100 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

➤ **Test Case Execution log file tc_12_4_1_4c1_Ericsson_Log.txt:**

In the log file (in txt format) the complete test case execution can be seen. All message contents are fully decoded and can be verified. Preliminary verdicts and the final test case verdict can be seen in the log file.

6 References

- [1] **R5s050171:** This archive comprises text format execution log file and the TTCN MP file.

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1287 # rev **-** # Current version **5.0.0**

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:	# Revision and Addition of WI-10 (P2) test cases 6.2.2.2 to IR_U ATS v5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 17/05/05
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add WI-10 IR_U test case 6.2.2.2 to the approved IR_U ATS v5.0.0
Summary of change:	# This document lists all changes applied to test case 6.2.2.2 required for approval.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#				
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications #	Y	N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px;"></td> </tr> </table> Test specifications #	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>					
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px;"></td> </tr> </table> O&M Specifications #	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>					
Other comments:	# Revision of R5s050130.zip				

How to create CRs using this form:

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

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

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

Title: Changes to test case 6.2.2.2 required for approval

Source: Aeroflex

Document for: Approval

Contact: **Kundan Sehmbey**
kundan.sehmbey@aeroflex.com
Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 6.2.2.2, which is part of IR_U test suite. Minimum changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

1	Overview	3
2	Table of Contents	4
3	Verification Test Summary	5
4	Corrections required for test case 6.2.2.2	5
4.1	Introduction	5
4.2	Presentation of the modifications	5
4.3	Modifications.....	6
4.3.1	Ciphering.....	6
4.4	Changes referred to from previous CRs.....	7
5	Branches executed in test case 6.2.2.2	8
6	Execution Log Files.....	8
7	References	8

3 Verification Test Summary

Test Case: tc_6_2_2_2
Test Group: IR_U/ ISHO_UTRAN_ToGSM
ATS Version: IR_U_wk19 + modifications
System Simulator used: RIWS 6401 AIME/CT ISHO
UE used: Qualcomm 6250 & Nokia 6630
Verification Status: PASS

4 Corrections required for test case 6.2.2.2

4.1 Introduction

This documents lists the changes made to test case 6_2_2_2 to make it work with 3G UE. The changes made are given a change label and are explained in the following session.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	<i>tc_6_2_2_2</i>
Reference ATS	<i>IR_U_wk19.mp</i>
Change Label	<i>AEROFLEX#IR_U0101</i>
Reason for change	<i><Textual description of change reason>.</i>
Summary of change	<i><Textual description of performed changes></i>
Other affected objects	<i>< other fields affected> (optional)</i>
ETSI comment	
AEROFLEX 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 'AEROFLEX#IR_U', followed by a 4-digit number (e.g. AEROFLEX#IR_U 0101). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.
- Reason for change:** Textual description of the reason why the change is proposed.
- Summary of change:** Short description of what is proposed for change.
- Other affected objects:** List of one or more fields, pointing to other TTCN objects having assigned the same Change Label, i.e. all other objects being affected by the problem-giving rise to the current Change Label.
- ETSI comment:** ETSI colleagues giving a dedicated reply to the current CR document may use this field.
- AEROFLEX conclusion:** Filled by AEROFLEX when ETSI answer does not indicate acceptance of the change request.

4.3 Modifications

4.3.1 Ciphering

TTCN object	tc_6_2_2_2
Reference ATS	IR_U_wk19.mp[2]
Change Label	AEROFLEX#IR_U 0400
Reason for change	This test case is executed in two steps with UE being switched off in between but, ciphering setting is not disabled after the end of first execution and as a result ciphering is on at the beginning of second execution and fails the TC
Summary of change	Disabled Ciphering after switch off UE command.
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

4	GOTO LOOPS	
	it_LocalTestLoop2	
0	+ts_MMI_UE_SwitchOff	
1	G_CL1 ! G_CL1_CipheringControl_REQ	ca_G_CL1_CipheringControl_REQ(tsc_GSM_CellA, tsc_PhyCh0, '0'B)
2	G_CL1 ? G_CL1_CipheringControl_CNF	ca_G_CL1_CipheringControl_CNF(tsc_GSM_CellA, tsc_PhyCh0)
3	+ts_SS_SwitchCellOff(tsc_CellA)	
4	+ts_SS_SwitchCellOff(tsc_CellB)	
5	(tcv_G_CellInfoA.attFlag := '1'B, tcv_G_CellInfoA.cell_BAR_ACCESS := '0'B)	
6	+ts_SendGSMSystemInfo(tsc_GSM_CellA, tsc_PhyCh0, gsmonly, bcch, si2terand2quarter)	
7	+ts_RRC_Delav(tsc_TWaitSvsInfo)	

4.4 Changes referred to from previous CRs

5 Branches executed in test case 6.2.2.2

This test case was executed with `pc_CS`, `pc_PS` set to TRUE with integrity and cipherring enabled.

6 Execution Log Files

The Qualcomm 6250 & Nokia 6630 passed this test case in CS+PS mode on the RIWS 6401 AIME/CT ISHO. Log of the successful test case execution is enclosed in R5s050174.zip [1]

7 References

[1]	R5s050174.zip Attachment containing the Successful log and the TTCN MP file for <i>tc_6_2_2_2</i> .
[2]	<i>IR_U_wk19</i> .mp ETSI <i>IR_U</i> ATS version of week 19.

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1331 # rev - # Current version: **5.0.0**

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:	# Revision of RRC WI-14 test case 8.2.3.30 to RRC ATS v5.0.0		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 19/05/05
Category:	# B	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add WI-14 HSDPA test case 8.2.3.30 to the approved RRC ATS v5.0.0		
Summary of change:	# This document lists all the changes applied to test case 8.2.3.30 of HSDPA wk-19 ATS		
Consequences if not approved:	# Test case will not be added to the ATS.		

Clauses affected:	#										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications Test specifications O&M Specifications	#
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Other comments:	# Revision of R5s050155.										

How to create CRs using this form:

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

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

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

Title: Changes to test case 8.2.3.30 required for approval
Source: Aeroflex
Document for: Approval
Contact: **Kundan Sehmbey**
kundan.sehmbey@aeroflex.com
Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to the baseline TTCN implementation used to create the test case 8.2.3.30. Minimum changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

1	Overview	3
2	Table of Contents	4
3	Verification Test Summary	5
4	Corrections required for test case 8.2.3.30	5
4.1	Introduction	5
4.2	Presentation of the modifications	5
4.3	Modifications.....	6
4.3.1	ts_AT_OrgPS_CallHSDPA	6
4.3.2	cr_QoS_InterOrBackgrdMO_HS_lv	7
4.3.3	ts_CheckHSDSCH_ConfiguredInUE	8
4.4	Changes referred to from previous CRs.....	10
5	Branches executed in test case 8.2.3.30	11
6	Execution Log Files.....	11
7	References	11

3 Verification Test Summary

Test Case: tc_8_2_3_30
Test Group: HSDPA/RRC/RRC_RAB_Release
ATS Version: HSDPA_wk19 + modifications
System Simulator used: RIWS 6401 AIME
UE used: Qualcomm 3G UE 6275
Verification Status: PASS

4 Corrections required for test case 8.2.3.30

4.1 Introduction

This document gives details of the changes made to the TTCN implementation to make test case 8.2.3.30 working with one or more 3G UE(s). The changes made are given a change label and are explained in the following session.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	<i>tc_8_2_3_30</i>
Reference ATS	<i>HSDPA_r5_wk19.mp</i>
Change Label	<i>AEROFLEX#HSDPA 0101</i>
Reason for change	<i><Textual description of change reason>.</i>
Summary of change	<i><Textual description of performed changes></i>
Other affected objects	<i>< other fields affected> (optional)</i>
ETSI comment	
AEROFLEX 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:

- All objects belong to the same TTCN Object Class; and
- All objects are either created, or are modified in the same systematic way; and
- 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 'AEROFLEX#HSDPA', followed by a 4-digit number (e.g. AEROFLEX#HSDPA 0101). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.
- Reason for change:** Textual description of the reason why the change is proposed.
- Summary of change:** Short description of what is proposed for change.
- Other affected objects:** List of one or more fields, pointing to other TTCN objects having assigned the same Change Label, i.e. all other objects being affected by the problem-giving rise to the current Change Label.
- ETSI comment:** ETSI colleagues giving a dedicated reply to the current CR document may use this field.
- AEROFLEX conclusion:** Filled by AEROFLEX when ETSI answer does not indicate acceptance of the change request.

4.3 Modifications

4.3.1 ts_AT_OrgPS_CallHSDPA

TTCN object	ts_AT_OrgPS_CallHSDPA
Reference ATS	HSDPA_r5_wk19.mp
Change Label	AEROFLEX#HSDPA 0101
Reason for change	The order of AT commands is not correct. The AT command +CGACT is defined to activate the specified PDP context; hence it shall be called after +CGDCONT and +CGEQREQ.
Summary of change	Moved row # 7 It_AT_SetQoS to row # 5
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before:

Test Step			
Test Step Id:	ts_AT_OrigPS_CallHSDPA (p_CellId : INTEGER)		
Test Step Group Ref:	HSDPA_M_Steps/		
Objective:	To trigger UE to originate a PDP context for HSDPA. The requested rate is set based on UE capability.		
Defaults:	UT_OtherwiseFail		
Comments:	@SIC_NAPP		
Nr	Label	Behaviour Description	Constraint Ref
1		[pc_AT_SupportToInit_PS_Call = TRUE]	
2		(trv_AT_Cmd := o_ConcatStrg(o_ConcatStrg("AT+CGDCONT=1,"IP",",", o_ConcatStrg o_ConcatStrg (trc_AccessPNameDCH,"",), px_PDP_IP_AddrInfoDCH)), "", 0,0<CR>"))	
3		Ut1AT_CmdReq	ca_AT_CmdReq (trv_AT_Cmd)
4		Ut?AT_CmdCnf	ca_AT_CmdCnf
5		(trv_AT_Cmd := "AT+CGACT=1,1<CR>")	
6		Ut1AT_CmdReq	ca_AT_CmdReq (trv_AT_Cmd)
7		+lt_AT_SetQoS	
8		[pc_AT_SupportToInit_PS_Call = FALSE]	
9		(trv_AT_Cmd := "AT+CGACT=1,1<CR>")	
10		Ut1AT_CmdReq	ca_AT_CmdReq (trv_AT_Cmd)

After:

Test Step			
Test Step Id:	ts_AT_OrigPS_CallHSDPA (p_CellId : INTEGER)		
Test Step Group Ref:	HSDPA_M_Steps/		
Objective:	To trigger UE to originate a PDP context for HSDPA. The requested rate is set based on UE capability.		
Defaults:	UT_OtherwiseFail		
Comments:	@SIC_NAPP		
Nr	Label	Behaviour Description	Constraint Ref
1		[pc_AT_SupportToInit_PS_Call = TRUE]	
2		(trv_AT_Cmd := o_ConcatStrg(o_ConcatStrg("AT+CGDCONT=1,"IP",",", o_ConcatStrg o_ConcatStrg (trc_AccessPNameDCH,"",), px_PDP_IP_AddrInfoDC H)), "", 0,0<CR>"))	
3		Ut1AT_CmdReq	ca_AT_CmdReq (trv_AT_Cmd)
4		Ut?AT_CmdCnf	ca_AT_CmdCnf
5		+lt_AT_SetQoS	
6		(trv_AT_Cmd := "AT+CGACT=1,1<CR>")	
7		Ut1AT_CmdReq	ca_AT_CmdReq (trv_AT_Cmd)
8		[pc_AT_SupportToInit_PS_Call = FALSE]	
9		(trv_AT_Cmd := "AT+CGACT=1,1<CR>")	
10		Ut1AT_CmdReq	ca_AT_CmdReq (trv_AT_Cmd)

4.3.2 cr_QoS_InterOrBackgrdMO_HS_Iv

TTCN object	cr_QoS_InterOrBackgrdMO_HS_Iv
Reference ATS	HSDPA_r5_wk19.mp
Change Label	AEROFLEX#HSDPA 0102
Reason for change	In Cr_QoS_InterOrBackgrdMO_HS_Iv , the peak throughput field is set to '0100'B. But, according to 24.008 clause 10.5.6.5 and 23.107 clause 9.1.2.3, this value is related to 64kbps.
Summary of change	Replaced the value of peakThroughput to ? in order to fit with all rates.
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before:

Structured Type Constraint Declaration		
Constraint Name:	cr_QoS_InterOrBackgrdMO_HS_lv (p_DlyClass, p_trafficClass : B3; p_maxBitRateUL , p_maxBitRateDL : MaxBitRate; p_maxSDUSize : MaxSDU_Size)	
Group:		
Type Name:	QualityOfService_lv	
Derivation Path:		
Encoding Variation:		
Comments:	The QoS for interactive RAB	
Element Name	Value	Type Encoding
length	'0B'0	
spare	'00'B	
dlyClass	p_DlyClass	
reliabilityClass	'011'B	
peakThroughput	'0100'B	
spare1	'0'B	
precedenceClass	'000'B	

After:

Structured Type Constraint		
Constraint Name:	cr_QoS_InterOrBackgrdMO_HS_lv (p_DlyClass, p_trafficClass : B3; p_maxBitRateUL , p_maxBitRateDL : MaxBitRate; p_maxSDUSize : MaxSDU_Size)	
Group:		
Type Name:	QualityOfService_lv	
Derivation Path:		
Encoding Variation:		
Comments:	The QoS for interactive RAB	
Element Name	Value	Type Encoding
length	'0B'0	
spare	'00'B	
dlyClass	p_DlyClass	
reliabilityClass	'011'B	
peakThroughput	?	
spare1	'0'B	
precedenceClass	'000'B	
spare2	'000'B	

4.3.3 ts_CheckHSDSCH_ConfiguredInUE

TTCN object	ts_CheckHSDSCH_ConfiguredInUE
Reference ATS	HSDPA_r5_wk19.mp
Change Label	AEROFLEX#HSDPA 0103
Reason for change	According to 25.214 Table 7A (clause 6a.2), the cqi value 0 is a non applicable value, then it is proposed to check that the cqi value reported in the CPHY_HS_DPCCH_CQI_IND is different from 0.
Summary of change	1. Created a new constraint ca_CQI_ReportingInd0 with cqi value set to 0 2. Added a branch at row# 5 for the receipt of this new constraint with a fail verdict.
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before:

Test Step Id:	ts_CheckHSDSCH_ConfiguredInUE (p_CellId : INTEGER)
Test Step Group Ref:	HSDPA_M_SS_Steps/
Objective:	Verify that the UE has started HS-DSCH reception by checking that it sends CQI reports.
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict
1		+ts_RRC_Delay (500)		
2		CPHY ! CPHY_HS_DPCCH_CQI_REQ	ca_CQI_Reporting (p_CellId , 1)	
3		CPHY ? CPHY_HS_DPCCH_CQI_CNF	ca_CQI_ReportingCnf (p_CellId)	
4		START t_Dly (500)		
5	TSP1	CPHY ? CPHY_HS_DPCCH_CQI_IND CANCEL t_Dly	ca_CQI_ReportingInd (p_CellId)	(P)
6	TSF1	? TIMEOUT t_Dly		(F)

After:

Test Step Id:	ts_CheckHSDSCH_ConfiguredInUE (p_CellId : INTEGER)
Test Step Group Ref:	HSDPA_M_SS_Steps/
Objective:	Verify that the UE has started HS-DSCH reception by checking that it sends CQI reports.
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict
1		+ts_RRC_Delay (500)		
2		CPHY ! CPHY_HS_DPCCH_CQI_REQ	ca_CQI_Reporting (p_CellId , 1)	
3		CPHY ? CPHY_HS_DPCCH_CQI_CNF	ca_CQI_ReportingCnf (p_CellId)	
4		START t_Dly (500)		
5		CPHY ? CPHY_HS_DPCCH_CQI_IND CANCEL t_Dly	ca_CQI_ReportingInd0 (p_CellId)	(F)
6	TSP1	CPHY ? CPHY_HS_DPCCH_CQI_IND CANCEL t_Dly	ca_CQI_ReportingInd (p_CellId)	(P)
7	TSF1	? TIMEOUT t_Dly		(F)

New Object: ca_CQI_ReportingInd0

Constraint Name:	ca_CQI_ReportingInd0 (p_CellId : INTEGER)
Group:	
ASP Name:	CPHY_HS_DPCCH_CQI_IND
Derivation Path:	
Comments:	@SIC_NAPP To verify that the UE has sent a CQI report (the value is not checked).

Constraint Value
{ cellId p_CellId, ratType fdd, cqi 0 }

4.4 Changes referred to from previous CRs

5 Branches executed in test case 8.2.3.30

This test case is executed with pc_CS, pc_PS and pc_HSDPA all set to TRUE. Integrity and Ciphering are also enabled.

6 Execution Log Files

The Qualcomm 3G UE 6275 passed this test case in CS+PS mode on the RIWS 6401 AIME/CT. Log of the successful test case execution is enclosed in R5s050180.zip [1]

7 References

[1]	R5s050180.zip Attachment containing the Successful log and the TTCN MP file for <i>tc_8_2_3_30</i> .
-----	---

CR-Form-v7

CHANGE REQUEST

34.123-3 CR 1332 # rev - # Current version: **5.0.0**

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 WI-014 test case 8.2.4.36 to RRC ATS V5.0.0 (Revision of R5s050161)		
Source:	# 3GPP TSG RAN WG5 (Testing)		
Work item code:	# N/A	Date:	# 23/05/2005
Category:	# B	Release:	# Rel 5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF WI-014 RRC test cases 8.2.4.36 to the approved RRC ATS V5.0.0.
Summary of change:	# This document lists all changes applied to test case 8.2.4.36 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS.

Clauses affected:	#				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	Other core specifications #				
	<input checked="" type="checkbox"/> Test specifications				
	<input checked="" type="checkbox"/> O&M Specifications				
Other comments:	#				

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 8.2.4.36 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 8.2.4.36 which is part of the HSDPA_r5 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 8.2.4.36	2
4.1	Introduction	2
4.2	ts_AT_OrgPS_CallHSDPA (WA#RRC_HS0017)	2
4.3	cr_QoS_InterOrBackgrdMO_HS_Iv (WA#RRC_HS0018)	3
5	Branches executed in test case 8.2.4.36	3
6	Execution Log Files	3
6.1	Qualcomm 6275 3G UE	3
7	References	3

3 Verification Test Summary

Test Case: TC_8_2_4_36
Test Group: RRC/TrChs_Reconfig/
ATS Version: iWD-TVB2004-12_D05wk19 + essential modifications.
System Simulator used: Rohde & Schwarz 3G system simulator CRTU-W
UE used: Qualcomm 6275
Verification Status: PASS

4 Corrections required for test case 8.2.4.36

4.1 Introduction

This section describes the changes required to make test case 8.2.4.36 run correctly with a 3G UE. All modifications are marked with label **“WA#RRC_HS<number>”** for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was HSDPA_r5_wk19.mp which is part of the iWD-TVB2004-12_D05wk19 release. This ATS provided by MCC160 which contains GCF package WI-014 test cases.

4.2 ts_AT_OrgPS_CallHSDPA (WA#RRC_HS0017)

Test step name ts_AT_OrgPS_CallHSDPA
Reason for change The order of AT commands is not correct. The AT command +CGACT is defined to activate the specified PDP context; hence it shall be called after +CGDCONT and +CGEQREQ.
Summary of change Moved It_AT_SetQoS before (tcv_AT_Cmd := "AT+CGACT=1,1<CR>")
Source of change New Change
Label WA#RRC_HS_0017

NI	Label	Behavioral Description	Control Ref	Verdict	Comments
1		(pr_AT_SupportTstn_PS_Call = TRUE)			USG complete set of AT commands.
2		(tcv_AT_Cmd := ca_CancelReq) s_CancelReq "AT+CGDCONT=1,"SP""", a_c initialing to_ConnectReq (tcv_ActiveIPNameDCH, "", tcv_PDP_IP_AddrInDCH), ""_B_S+CR") UITAT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd) ca_AT_CmdReq		
3		UITAT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
4		UITAT_CmdReq	ca_AT_CmdReq		
5		+ It_AT_SetQoS			WA#RRC_HS0017
6		(tcv_AT_Cmd := "AT+CGACT=1,1<CR>")			ACTIVATE PDP CONTEXT message for RQ
7		UITAT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
8		(pr_AT_SupportTstn_PS_Call = FALSE) (tcv_AT_Cmd := "AT+CGACT=1,1<CR>")			USG only CGACT to initiate a call ACTIVATE PDP CONTEXT message for RQ
18		UITAT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		

4.3 cr_QoS_InterOrBackgrdMO_HS_Iv (WA#RRC_HS0018)

Test step name cr_QoS_InterOrBackgrdMO_HS_Iv

Reason for change In Cr_QoS_InterOrBackgrdMO_HS_Iv , the peak throughput field is set to '0100'B. But, according to 24.008 clause 10.5.6.5 and 23.107 clause 9.1.2.3, this value is related to 64kbps.

Summary of change Replaced the value of peakThroughput to ? in order to fit with all rates.

Source of change New Change

Label WA#RRC_HS_0018

Structured Type Constant Declaration				
Constant Name: cr_QoS_InterOrBackgrdMO_HS_Iv, p_OrClass, p_OrClass: B3				
p_maxDiffRateUL, p_maxDiffRateDL, MaxDiffRate, p_maxDiffRate, MaxDiffRate				
p_maxDiffRate, MaxDiffRate				
Type Name: QoSParameters_s				
Derivation Path:				
Existing Version:				
Comments: The QoS for interactive RAB				
Element Name	Element Value	Type Encoding	Comments	
weight	000			
spare	000			
OrClass	p_OrClass		Best effort	
maxDiffRate	0100		WA#RRC_HS_0018	
peakThroughput	?			
spare1	000			
predefinedClass	000B		Subscribed class	
spare2	000B			
maxThroughput	11111B		Best effort	
diffClass	p_OrClass		Interactive	
deliveryOrder	010		Without delivery order	
deliveryErrorDCU	010B		Element DCU are delivered	
maxDiffRate	p_maxDiffRate		000000B	

5 Branches executed in test case 8.2.4.36

The test case implementation executed the PS branch with Integrity and Ciphering activated, AutoAttach ON.

6 Execution Log Files

6.1 Qualcomm 6275 3G UE

The Qualcomm 6275 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_2_4_36-Qualcomm-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_2_4_36-pics-pixit-Qualcomm.html**
Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **R5s050200**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

