3GPP TSG RAN Meeting #28 **RP-050280**
Quebec, Canada, 1 - 3 June 2005

Title **Summary of TTCN CR B category to 34.123-3 for approval Batch 1**

Source **RAN WG5**

Agenda Item **7.6.5**

WG Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R5s050128	34.123-3	1270	-	B	Rel-5	5.0.0	Addition of NAS WI 12 test case 12.3.2.7 to NAS ATS V5.0.0	TEI
R5s050134	34.123-3	1271	-	B	Rel-5	5.0.0	Addition of WI-012 NAS test case 12.9.7a to NAS ATS V5.0.0	TEI
R5s050080	34.123-3	1272	-	B	Rel-5	5.0.0	Addition of NAS WI 12 test case 12.9.9 to NAS ATS V3.8.0	TEI
R5s050100	34.123-3	1273	-	B	Rel-5	5.0.0	Addition of WI-010 P3 RAB test case 14.2.43.1 to RAB ATS V5.0.0	TEI
R5s050098	34.123-3	1274	-	B	Rel-5	5.0.0	Addition of WI-012 RAB test case 14.2.43.2 to RAB ATS V5.0.0	TEI
R5s050096	34.123-3	1275	-	B	Rel-5	5.0.0	Addition of WI-012 RAB test case 14.2.58a to RAB ATS V5.0.0	TEI
R5s050066	34.123-3	1276	-	B	Rel-5	5.0.0	Addition of WI-012 RLC test case 7.2.3.28 to RLC ATS V3.8.0	TEI
R5s050068	34.123-3	1277	-	B	Rel-5	5.0.0	Addition of WI-012 RLC test case 7.2.3.32 to RLC ATS V3.8.0	TEI
R5s050070	34.123-3	1278	-	B	Rel-5	5.0.0	Addition of WI-012 RLC test case 7.2.3.35 to RLC ATS V3.8.0	TEI
R5s050141	34.123-3	1279	-	B	Rel-5	5.0.0	Addition of WI12 test case 8.1.1.9 to RRC ATS v5.0.0 (Revision of R5s050125)	TEI
R5s050074	34.123-3	1280	-	B	Rel-5	5.0.0	Addition of WI12 test cases 8.1.2.11 to RRC ATS v3.8.0	TEI
R5s050138	34.123-3	1281	-	B	Rel-5	5.0.0	Addition of RRC WI-012 test case 8.3.1.30 to RRC ATS V5.0.0	TEI
R5s050076	34.123-3	1282	-	B	Rel-5	5.0.0	Addition of WI-012 test case 8.3.7.16 to IR_U ATS 3.8.0.	TEI
R5s050112	34.123-3	1283	-	B	Rel-5	5.0.0	Regression changes on TC 8.3.9.5 – WK09	TEI
R5s050132	34.123-3	1284	-	B	Rel-5	5.0.0	Addition of RRC WI-012 test case 8.4.1.6 to RRC ATS V5.0.0	TEI
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
R5s050197	34.123-3	1339	-	B	Rel-5	5.0.0	Addition of RRC WI-014 test case 8.2.2.38 to RRC ATS V5.0.0 (Revision of R5s050157)	TEI

WG Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R5s050184	34.123-3	1340		B	Rel-5	5.0.0	Addition of RRC WI-14 test case 8.2.1.30 to RRC ATS v5.0.0	TEI

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

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

Reason for change:	⌘	To add verified GCF 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:	⌘	Y	N	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
			X		
Other comments:	⌘				

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

3GPP TSG-R5 E-Mail 2005 **R5s050128**
01 Mar - 31 Dec 2005

Title: **Changes to test case 12.3.2.7 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
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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

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:

After change:

4.3 Change 2

Test step name	*tc_12_3_2_7 , lt_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 ***lt_checkMode.***

Before change:

lt_TestBodyContinue					
29		+lt_PowerLevels_CellC_Step23			
30		+ts_RRC_ConnEst(tsc_CellC, est_Reg, registration)			
31		+ts_RegistrationOnCS2_IfOpModeA (tsc_CellC)			
32		+lt_Attach_Steps_27To29			

After change:

lt_TestBodyContinue					
29		+lt_PowerLevels_CellC_Step23			
30		+ts_RRC_ConnEst(tsc_CellC, est_Reg, registration)			
31		+lt_checkMode			
32		+lt_Attach_Steps_27To29			

New Local Test Step:

lt_checkMode					
75		[(tcv_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 , lt_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 ***lt_Attach_Steps_50To59*** as ***lt_Attach_Steps_50To52.*** Also, changed the call to the local tree accordingly.

Before change:

lt_Attach_Steps_50To59					
60		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachReqTMSI_IfPresent(c_GMM_AttachTypeCombinedCS_PS, c_MobileIdTMSI_Iv, c_RAI_v(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_TriggerPSRegistrationAtSwitchOn_NMO_I (tsc_CellB)			step 48
40		+lt_Attach_Steps_50To59			
41		+ts_CS_Paging_TMSI (tsc_CellB, tcv_PagingCau)			Step 53

After change:

lt_Attach_Steps_50To52					
61		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachReqTMSI_IfPresent (c_GMM_AttachTypeCombinedCS_PS, c_MobileIdTMSI_Iv, c_RAI_v(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_TriggerPSRegistrationAtSwitchOn_NMO_I (tsc_CellB)			step 48
40		+lt_Attach_Steps_50To52			TTCN Change (rename local tree)
41		+ts_CS_Paging_TMSI (tsc_CellB, tcv_PagingCau)			Step 53

4.5 Change 4

Test step name	*tc_12_3_2_7 , lt_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_lv**, 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_Ce llB, tcv_RRC_PagingCau)			Step 60

After change:

41		+ts_CS_Paging_TMSI (tsc_C ellB, 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 s ic@
2		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_InitDirectTransfer(tsc_CellDedicated, tsc_RB3 , c_PagRsp(tcv_CS_KeySeq, c_MobileIdTMSI2_lv))		PAGING RESPONSE - MobileId = TMSI @sic EW CR T1-031833 s ic@ 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 s ic@
5		+ ts_RRC_Security (p_CellId, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, cs_domain)			@sic EW CR T1-031833 s ic@
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 , lt_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:

lt_Detach_Steps_7To8					
51		Dc ! RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cs_DetachReqMT_2 (c_DetachTypeReAttNotRequired, c_GMM_Cause_tv ('00001101'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		Dc ? 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:

lt_Detach_Steps_7To8					
51		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_DetachReqMT_2 (c_DetachTypeReAttNotRequired, c_GMM_Cause_tv ('00001101'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		Dc ? 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 , lt_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, tcv_Start)			
56		+ ts_RRC_Security (tsc_CellC, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)			
57		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef, tcv_AssignedTMSI := px_TMSI_Def)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AttachAcc(c_GMM_AttachResultCombinedCS_PS, c_RAI_v(tcv_CellInfoC.mcc, tcv_CellInfoC.mnc, tcv_CellInfoC.lac, tcv_CellInfoC.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), c_GMM_MobileIdTMSI(px_TMSI_Def)))		Step 28. ATTACH ACCEPT - Attach result is 'PS/CS attached' - RAI of cell A - P-TMSI-2 - P-TMSI signature 2 - TMSI-2

After change:

56		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
57		+ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellC)			TTCN Change
58		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef, tcv_AssignedTMSI := px_TMSI_Def)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AttachAcc(c_GMM_AttachResultCombinedCS_PS, c_RAI_v(tcv_CellInfoC.mcc, tcv_CellInfoC.mnc, tcv_CellInfoC.lac, tcv_CellInfoC.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), c_GMM_MobileIdTMSI(px_TMSI_Def)))		Step 28. ATTACH ACCEPT - Attach result is 'PS/CS 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

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F *(correction)*
A *(corresponds to a correction in an earlier release)*
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R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	To add verified GCF 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:	⌘	

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

Other comments:	⌘	

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

Title: **Changes to test case 12.9.7a required for approval**
Source: Rohde & Schwarz
Agenda Item: TTCN Issues
Document for: Approval
Contact: Paul Hawkins
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7 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.

8 Table of Contents

9 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

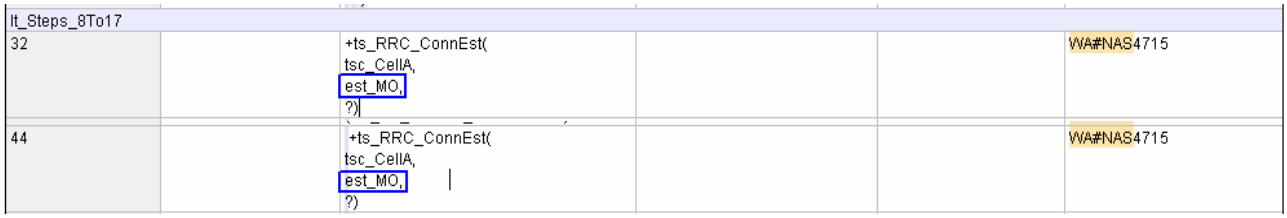
10 Corrections required for test case 12.9.7a

10.1 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:

10.2 lt_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



10.3 lt_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_64 kPS_RAB_SRB,tcv_CellInfoA.dl_DPCH_ 2ndScrCode := tsc_DL_DPCH_ScrC_3)			WA#NAS4716 WA#NAS4717
38		+ ts_RRC_RB_Rel (tsc_CellA)			Step 13. Radio Bearer Releas e
39		+ ts_AT_TriggerUplinkData ("1")			

10.4 lt_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_64 kPS_RAB_SRB,tcv_CellInfoA.dl_DPCH_ 2ndScrCode := tsc_DL_DPCH_ScrC_3)			WA#NAS4716 WA#NAS4717
38		+ ts_RRC_RB_Rel (tsc_CellA)			Step 13. Radio Bearer Releas e
39		+ ts_AT_TriggerUplinkData ("1")			

10.5 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

10.6 lt_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

lt_Steps_19To21					
43		(tsc_DL_DPCH1_2ndScrC := 3)			WA#NAS4719
44		+ts_RRC_ConnEst(tsc_CellA, est_MO, ?)			WA#NAS4715

10.7 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		Ut ! AT_CmdReq	ca_AT_CmdReq (o_ConcatStrg ("AT+CGDATA=PPP", o_ConcatStrg (p_cid , "<CR>")))		
2		Ut ? AT_CmdCnf	ca_AT_CmdCnf		WA#NAS4720

10.8 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 submittied .
Summary of change	Added +ts_ActivatePDP_AcceptMO at line 48
Source of change	New Change
Label	WA#NAS4721

47		+ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellA)			Compute authentication parameters including tcv_PS_AuthCK and tcv_PS_AuthIK
48		+ts_ActivatePDP_AcceptMO (tsc_CellA)			WA#NAS4721

11 Branches executed in test case 12.9.7a

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

12 Execution Log Files

12.1 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.

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF 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:	⌘	

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

Other comments:	⌘	

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

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

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

3GPP TSG-R5 E-Mail 2005 **R1s050080**
17 Feb - 31 Dec 2005

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

14 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~~15 Table of Contents

~~3~~16 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

17 Corrections required for test case 12.9.9

~~4.1~~17.1 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.

17.2 Change 1

Test step name	tc_12_9_9, lt_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:

lt_RAUpdate					
39		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(ts c_CellDedicated, tsc_RB3, cbr_RA_UpdReq_3 (c_GMM_UpdateTypeRA_Upd ating, c_RAI_Any_v, *, *, *, *))	(P)	Step 10. ROUTING AREA U PDATE REQUEST - Update type = 'RA updatin g' TTCN Change

After change:

lt_RAUpdate					
39		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB 3, cbr_RA_UpdReq_3 (c_GMM_UpdateTypeRA_Upd ating, c_RAI_Any_v, *, *, *, *))	(P)	Step 10. ROUTING AREA U PDATE REQUEST - Update type = 'RA updatin g' TTCN Change

17.3 Change 2

Test step name

tc_12_9_9, lt_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, tcv_Start)			
41		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB 3, cs_RA_UpdAcc(c_GMM_UpdateResultRA_Updated, c_RAI_v(tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tcv_CellInfoA.lac, tcv_CellInfoA.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), -))		Step 11. ROUTING AREA UP DATE ACCEPT - Update result = 'RA updated ' - new RAI corresponding to c ell A - P-TMSI-1 - P-TMSI-1 signature

After change:

40		+ ts_SS_SecurityDownloadStart (ps _domain, tcv_Start)			
41		+ts_GMM_AuthenticateAndStartInteg rityProtection (tsc_CellA)			TTCN Change
42		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDe dicated, tsc_RB3, cs_RA_UpdAcc(c_GMM_UpdateResultRA_Up dated, c_RAI_v(tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tcv_CellInfoA.lac, tcv_CellInfoA.rac), c_PTMSI_Signature (px_PTM SI_SigDef), c_MobileIdPTMSI (px_PTMSI_ Def), -))		Step 11. ROUTING AREA U PDATE ACCEPT - Update result = 'RA updat ed' - new RAI corresponding t o cell A - P-TMSI-1 - P-TMSI-1 signature

17.4 Change 3

Test step name	tc_12_9_9, lt_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_UpdComplete)		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_UpdComplete)		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_ContextReq MO (?))		Receive PDP Context Activation Request TTCN Change
46		+ts_SetTI_Rsp(tcv_TI_S)			
47		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_ActPDP_ContextRejMT (tcv_TI_S, cb_SM_Cause_v('1F'O), -))		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 ciphering disabled.

~~5~~18 Execution Log Files

~~5.1~~18.1 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~~18.2 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~~19 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 one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

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

Reason for change:	⌘	To add verified GCF 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:	⌘	Y	N		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	

Other comments:	⌘	

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Below is a brief summary:

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

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

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

3GPP TSG-R5 E-Mail 2005 **R5s050100**
01 Jan - 31 Dec 2005

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

20 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.

21 Table of Contents

22 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

23 Corrections required for test case 14.2.43.1

23.1 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.

23.2 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:	tc_14_2_43_1
Test Group Reference:	CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
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 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.
Configuration:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(500)			WA#RAB4519
2		+ ts_InitVariables			Initial Test Case Variables
3		+lt_Interactive			
4		+lt_Background			
lt_Interactive					
5		[ns_Interactive]			

23.3 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_SetUpConvSpeech_InteractBackg_64k_384k_10TTI_CS_PS(p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime : ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def1
Comments:	WA#RAB4520

...	L...	Behaviour Description	Constraint Ref	...	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, p_ActTime, cell_DCH, OMIT, c_RAB_InfoListAM_DCH_4_No_Pdcp_WA (c_ReEstTimer1315, p_RAB_Id), c_UL_CommTrChInfo_TM3_AM1_0To119(c_PowerOffsetInfoHigher64k) , c_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_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_Sfc8 , OMIT), c_DL_CommonInformationRB_SetUp(tsc_Sfd8) , cb_UL_DPCH_Info (tsc_Sf16, pl0_76 , tcv_TmpCellInfo.uL_ScramblingCode) ,		@sic RASH T1s040438 sic@
			OMIT))		
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		
4		+ts_5DCH_ModifyConvSpeech_12_2k_InteractBackg_64k_384k_10(p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp (tsc_Sfd8) , cb_UL_DPCH_Info (tsc_Sf16, pl0_76 , tcv_TmpCellInfo.uL_ScramblingCode))			
5		+ts_SS_RB20_AM_PS_Cfg_WA (320)			
6	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId , cell_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_Steps/
Objective:	setup radio bearers : RB20. default values from 34.108 cl. 6.10.2.4.4 and 6.10.2.4.3.3
Defaults:	SS_Def
Comments:	CRLC is configured with cellId -1 (tsc_CellDedicated) WA#RAB4520

...	...	Behaviour Description	Constraint Ref	...	Comments
1		CRLC ! CRLC_Config_REQ	ca_RB_AM_Info_RAB_WA (tsc_CellDedicated, tsc_RB20, tcv_TimerPollProhibit, tcv_TimerPoll, tcv_PollSDU, tcv_PollWindow, (uLogicalChannelIdentity tsc_UL_DTCH1, dLogicalChannelIdentity tsc_DL_DTCH1),p_Payloadsize)		configure radio bearers : RB20 (AM + DTCH)
2		CRLC ? CRLC_Config_CNF	ca_CRLC_CfgCnf (tsc_CellDedicated, tsc_RB20)		

ASN.1 ASP Constraint Declaration	
Constraint Name:	ca_RB_AM_Info_RAB_WA (p_CellId: INTEGER; p_RB_Id: INTEGER;p_TimerPollProhbt :TimerPollProhibit; p_Timer_poll: TimerPoll; p_PollSDU: Poll_SDU; p_PollWindw: PollWindow; p_LogChMapping : RB_LogCH_Mapping; p_PayLoad : INTEGER)
Group:	
ASP Name:	CRLC_Config_REQ
Derivation Path:	
Comments:	Used to setup AM RLC entity WA#RAB4520

Constraint Value

```
{
 cellId p_CellId,
 routingInfo rB_Identity: p_RB_Id,
 ratType fdd,
 configMessage setup : {
  sS_rlc_Info { sS_ul_RLC_Mode dl_AM_RLC_Mode cb_DL_AM_RLC_WA,
   sS_dl_RLC_Mode {
    dl_PayloadSize p_PayLoad,
    dl_RLCModeInfo ul_AM_RLC_Mode :cb_UL_AM_RLC_WA
   }
  },
  rB_LogCH_Mapping p_LogChMapping
 }
}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RAB_InfoListAM_DCH_4_No_Pdcp_WA (p_ReEstTimer: Re_EstablishmentTimer; p_RAB_Id: BITSTRING)
Group:	
Type Name:	RAB_InformationSetupList
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 {
  rab_Info { rab_Identity gsm_MAP_RAB_Identity: p_RAB_Id,
   cn_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_WA,
    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
```

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RLC_InfoAM_Def_sdu4_WA
Group:	
Type Name:	RLC_Info
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 ul_RLC_Mode ul_AM_RLC_Mode: c_UL_AM_RLC_sdu4_WA ,
 dl_RLC_Mode dl_AM_RLC_Mode: cb_DL_AM_RLC_WA
}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_UL_AM_RLC_WA
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 transmissionRLC_Discard noDiscard : dat15,
 transmissionWindowSize tw512,
 timerRST tr500,
 max_RST rst4, --@sic T1s-040165 sic@
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll tp200, --@sic T1s-040165 sic@
  poll_PDU OMIT,
  poll_SDU sdu1,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_AM_RLC_sdu4_WA
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 transmissionRLC_Discard noDiscard : dat15,
 transmissionWindowSize tw512,
 timerRST tr500,
 max_RST rst4, --@sic Ts040391 sic@
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll tp200, --@sic Ts040391 sic@
  poll_PDU OMIT,
  poll_SDU sdu4,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_DL_AM_RLC_WA
Group:	
Type Name:	DL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 inSequenceDelivery TRUE,
 receivingWindowSize rw512,
 dl_RLC_StatusInfo {
  timerStatusProhibit tsp200,
  timerEPC OMIT,
  missingPDU_Indicator TRUE,
  timerStatusPeriodic OMIT
 }
}
```

23.4 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 o more PDUs in TM are yet to ne 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_Steps/RB_Subtests/
Objective:	
Defaults:	
Comments:	@SIC_NAPP WA#RAB4521

Nr	...	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, 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
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,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 3, c_RB_Tx_Info(tsc_RB10,81,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info(tsc_RB12,60,60), 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 (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_RB20,312,60), OMIT, OMIT, OMIT), 20)			Subtest 3 Steps 11-17
4		+ts_RB_SubTest_RAB_SRB_RB10_RB20 (c_TFC_Allowed_0_1_2_3_4_15_16_18_19, c_TFC_Allowed_0_1_3_4_18_22,cb_UE_TestLoopMode1LB_Setup4 (39,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)			Subtest 4 Steps 11-17
5		+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_18_23,cb_UE_TestLoopMode1LB_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)			Subtest 5 Steps 11-17
6		+ 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_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_RB20,632,60), OMIT, OMIT, OMIT), 20, 1)			Subtest 6 Steps 11-17
7		+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_TestLoopMode1LB_Setup4 (39,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_RB20,632,60), OMIT, OMIT), 20, 1)			Subtest 7 Steps 11-17

8		+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_8_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, 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, 1)				Subtest 8 Steps 11-17
9		+ 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, c_RB_Tx_Info(tsc_RB20,1272,60), OMIT, OMIT, OMIT), 20)				Subtest 9 Steps 11-17
10		+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_28, cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 1272, tsc_RB20),c_RAB_Tx_Info(tsc_RB_TestData_2688, 2, c_RB_Tx_Info(tsc_RB10,39,60), c_RB_Tx_Info(tsc_RB20,1272,60), OMIT, OMIT), 20)				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_Steps/RB_Subtests/
Objective:	
Defaults:	
Comments:	@SIC_NAPP WA#RAB4521

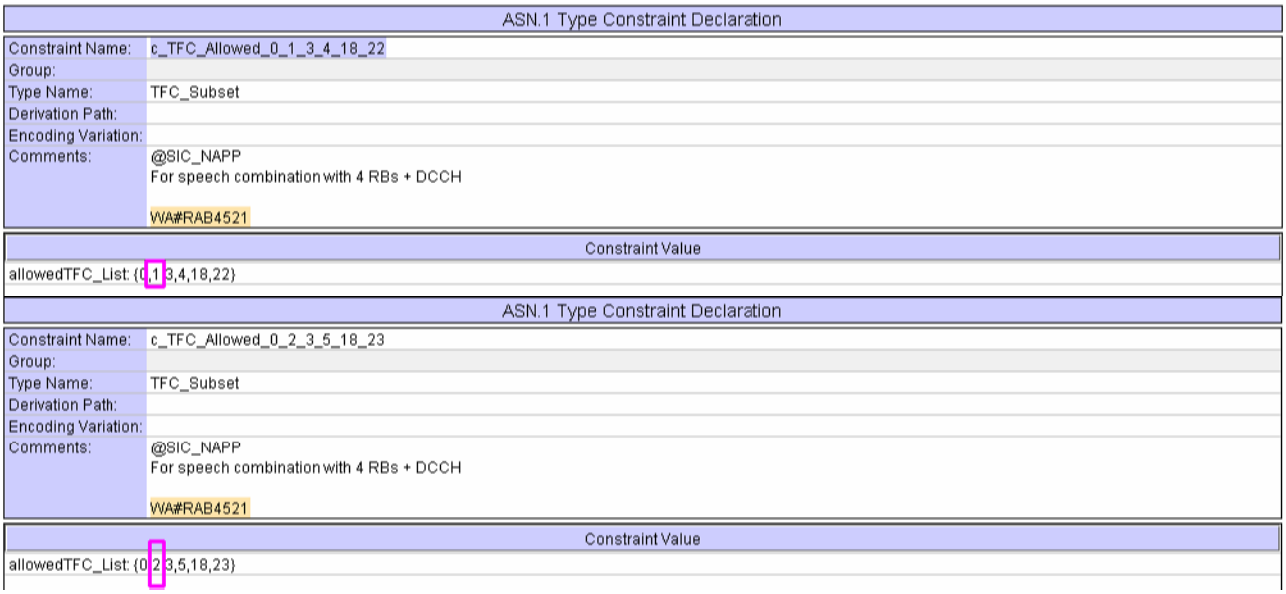
...	...	Behaviour Description	...	...	Comments
1		+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20(c_TFC_Allowed_0_1_2_3_9_11_15_17_24_26, c_TFC_Allowed_0_2_3_11_18_29, cb_UE_TestLoopMode1LB_Setup4 (81,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 1272, tsc_RB20),c_RAB_Tx_Info(p_Data_String, 4, c_RB_Tx_Info (tsc_RB10,81,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info (tsc_RB12,60,60), c_RB_Tx_Info(tsc_RB20,1272,60)), 20)			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,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 632, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(tsc_RB20,2552,60), 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_16_27_28, c_TFC_Allowed_0_1_3_13_18_31, cb_UE_TestLoopMode1LB_Setup4 (39,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_RB20,2552,60), 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, cb_UE_TestLoopMode1LB_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_RB20,2552,60)), 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_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 632, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(tsc_RB20,3832,60), 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_16_27_28, c_TFC_Allowed_0_1_3_16_18_34, cb_UE_TestLoopMode1LB_Setup4 (39,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_RB20,3832,60), 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, cb_UE_TestLoopMode1LB_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_RB20,3832,60)), 20, 1)					Subtest 17 Steps 11-17

Detailed Comment:

23.5 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 o more PDUs in TM are yet to ne transmitted. This data in TM can not be sent with the original allowed TFC lists as they require data on AM. So the inclussion 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}

24 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, Ciphering disabled, AutoAttach off.

25 Execution Log Files

25.1 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.

25.2 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.

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

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

Reason for change:	⌘	To add verified GCF 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:	⌘	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 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

27 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.

28 Table of Contents

29 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

30 Corrections required for test case 14.2.43.2

30.1 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

30.2 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:	tc_14_2_43_2
Test Group Reference:	CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
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:	@SIC_NAPP

Nr	Lab...	Behaviour Description	...	...	Comments
1		START t_Guard(600)			WA#RAB4519
2		+ ts_InitVariables			Initial Test Case Variables
3		+It_Interactive			
4		+It_Background			
It_Interactive					
5		[pc_Interactive]			
6		+ts_RB_InitTest_CS_PS (speech_12_2k_Interact_64k_384k_20, terminatingConversationalCall, terminatingConversationalCall , terminatingInteractiveCall)			Steps 1-10@sic RASH ER1948 sic@

30.3 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 thenselves 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_InteractBackg_64k_384k_20TTI_CS_PS (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime : ActivationTime)				
Test Step Group Ref:	RB_Steps/RB_Setup/				
Objective:					
Defaults:	RRC_Def1				
Comments:	WA#RAB4520				
...	La...	Behaviour Description	Constraint Ref	...	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, p_ActTime, cell_DCH, OMIT, c_RAB_InfoListAM_DCH_4_No_Pdcp_WA (c_ReEstTimerT315, p_RAB_Id), c_UL_CommTrChInfo_TM3_AM1_0To119(c_PowerOffsetInfoHigher64k) , c_UL_AddReconfTransChInfoListAM_DCH4 (c_DCH_336_TFS_24_UL_20_TC_UE), c_DL_CommonTransChInfo_TM3_AM1_0_215, c_DL_AddReconfTransChInfoListAM_DCH4 (c_DCH_336_TFS_32_DL_20_TC_UE), c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_Sfc8 ,OMIT), c_DL_CommonInformationRB_SetUp(tsc_Sfd8) , cb_UL_DPCH_Info (tsc_Sf16, pl0_76 , tcv_TmpCellInfo.uL_ScramblingCode) , OMIT))		@sic RASH T1s040438 sic@
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		
4		+ts_5DCH_ModifyConvSpeech_InteractBackg_64k_384k_20(p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp (tsc_Sfd8) , cb_UL_DPCH_Info (tsc_Sf16, pl0_76 , tcv_TmpCellInfo.uL_ScramblingCode))			
5		+ts_SS_RB20_AM_PS_Cfg_WA (320)			
6	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId , cell_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_Steps/				
Objective:	setup radio bearers : RB20. default values from 34.108 cl. 6.10.2.4.4 and 6.10.2.4.3.3				
Defaults:	SS_Def				
Comments:	CRLC is configured with cellId -1 (tsc_CellDedicated) WA#RAB4520				
...	...	Behaviour Description	Constraint Ref	...	Comments
1		CRLC ! CRLC_Config_REQ	ca_RB_AM_Info_RAB_WA (tsc_CellDedicated, tsc_RB20, tcv_TimerPollProhibit, tcv_TimerPoll, tcv_PollSDU, tcv_PollWindow, {uLlogicalChannelIdentity tsc_UL_DTCH1, dLlogicalChannelIdentity tsc_DL_DTCH1},p_Payloadsize)		cofigure radio bearers : RB20 (AM + DTCH)
2		CRLC ? CRLC_Config_CNF	ca_CRLC_CfgCnf (tsc_CellDedicated, tsc_RB20)		

ASN.1 ASP Constraint Declaration	
Constraint Name:	ca_RB_AM_Info_RAB_WA (p_CellId: INTEGER; p_RB_Id: INTEGER;p_TimerPollProhbt :TimerPollProhibit; p_Timer_poll: TimerPoll; p_PollSDU: Poll_SDU; p_PollWindw: PollWindow; p_LogChMapping : RB_LogCH_Mapping; p_PayLoad : INTEGER)
Group:	
ASP Name:	CRLC_Config_REQ
Derivation Path:	
Comments:	Used to setup AM RLC entity WA#RAB4520

Constraint Value

```
{
 cellId p_CellId,
 routingInfo rB_Identity: p_RB_Id,
 ratType fdd,
 configMessage setup : {
  sS_rlc_Info { sS_ul_RLC_Mode dl_AM_RLC_Mode cb_DL_AM_RLC_WA,
   sS_dl_RLC_Mode {
    dl_PayloadSize p_PayLoad,
    dl_RLCModeInfo ul_AM_RLC_Mode :cb_UL_AM_RLC_WA
   }
  },
  rB_LogCH_Mapping p_LogChMapping
 }
}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RAB_InfoListAM_DCH_4_No_Pdcp_WA (p_ReEstTimer: Re_EstablishmentTimer; p_RAB_Id: BITSTRING)
Group:	
Type Name:	RAB_InformationSetupList
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 {
  rab_Info { rab_Identity gsm_MAP_RAB_Identity: p_RAB_Id,
   cn_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_WA,
    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
```

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RLC_InfoAM_Def_sdu4_WA
Group:	
Type Name:	RLC_Info
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 ul_RLC_Mode ul_AM_RLC_Mode: c_UL_AM_RLC_sdu4_WA ,
 dl_RLC_Mode dl_AM_RLC_Mode: cb_DL_AM_RLC_WA
}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_UL_AM_RLC_WA
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 transmissionRLC_Discard noDiscard : dat15,
 transmissionWindowSize tw512,
 timerRST tr500,
 max_RST rst4, --@sic T1s-040165 sic@
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll tp200, --@sic T1s-040165 sic@
  poll_PDU OMIT,
  poll_SDU sdu1,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_AM_RLC_sdu4_WA
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 transmissionRLC_Discard noDiscard : dat15,
 transmissionWindowSize tw512,
 timerRST tr500,
 max_RST rst4, --@sic Ts040391 sic@
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll tp200, --@sic Ts040391 sic@
  poll_PDU OMIT,
  poll_SDU sdu4,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_DL_AM_RLC_WA
Group:	
Type Name:	DL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4520

Constraint Value

```
{
 inSequenceDelivery TRUE,
 receivingWindowSize rw512,
 dl_RLC_StatusInfo {
  timerStatusProhibit tsp200,
  timerEPC OMIT,
  missingPDU_Indicator TRUE,
  timerStatusPeriodic OMIT
 }
}
```

30.4 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 o more PDUs in TM are yet to ne transmitted. This data in TM can not be sent with the original allowed TFC lists as they require data on AM. So the inclussion 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_Steps/RB_Subtests/
Objective:	
Defaults:	
Comments:	@SIC_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_28, 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 @sic T1-040396 sic@
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 (81,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 3, c_RB_Tx_Info(tsc_RB10,81,60), c_RB_Tx_Info(tsc_RB11,103,60), c_RB_Tx_Info(tsc_RB12,60,60), OMIT), 20)			Subtest 2 Steps 11-17 @sic T1-040396 sic@
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 (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_RB20,312,60), OMIT, OMIT, OMIT), 20)			Subtest 3 Steps 11-17 @sic T1-040396 sic@

4		+ts_RB_SubTest_RAB_SRB_RB10_RB20 (c_TFC_Allowed_0_1_2_3_4_15_16_18_19, c_TFC_Allowed_0_1_3_4_27_31, cb_UE_TestLoopMode1LB_Setup4 (39,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)			Subtest 4 Steps 11-17 @sic T1-040396 sic@
5		+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_TestLoopMode1LB_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)			Subtest 5 Steps 11-17 @sic T1-040396 sic@
6		+ 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_TestLoopMode1LB_Setup4 (39,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)			Subtest 6 Steps 11-17 @sic T1-040396 sic@
7		+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_TestLoopMode1LB_Setup4 (39,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)			Subtest 7 Steps 11-17 @sic T1-040396 sic@
8		+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_8_27_35,cb_UE_TestLoopMode1LB_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)			Subtest 8 Steps 11-17 @sic T1-040396 sic@
9		+ 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_TestLoopMode1LB_Setup4 (39,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)			Subtest 9 Steps 11-17 @sic T1-040396 sic@
10		+ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_9_10_15_16_24_25, c_TFC_Allowed_0_1_3_10_27_37,cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 952, tsc_RB20),c_RAB_Tx_Info(tsc_RB_TestData_2688, 2, c_RB_Tx_Info(tsc_RB10,39,60), c_RB_Tx_Info(tsc_RB20,1272,60), OMIT, OMIT), 20, 1)			Subtest 10 Steps 11-17 @sic T1-040396 sic@
Detailed Comment:					

Test Step	
Test Step Id:	ts_Subtests_11_To_20_TC_14_2_43_2 (p_Data_String:BITSTRING)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	
Comments:	@SIC_NAPP WA#RAB4521

...	...	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_38, cb_UE_TestLoopMode1LB_Setup4 (81,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 952, 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_RB20,1272,60)), 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_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_RB20,2552,60), 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_13_15_16_27_28, c_TFC_Allowed_0_1_3_13_27_40, cb_UE_TestLoopMode1LB_Setup4 (39,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 (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_RB20,2552,60)), 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_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_RB20,3832,60), 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_28, c_TFC_Allowed_0_1_3_16_27_43, cb_UE_TestLoopMode1LB_Setup4 (39,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 (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_RB20,3832,60)), 20, 1)			Subtest 17 Steps 11-17 @sic T1-040396 sic@

8		+ 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)			Subtest 18 Steps 11-17 @sic T1-040396 sic@
9		+ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_12_13_15_16_27_28, c_TFC_Allowed_0_1_3_19_27_46, cb_UE_TestLoopMode1LB_Setup4 (39,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_RB20,5112,60), OMIT, OMIT), 20, 1)			Subtest 19 Steps 11-17 @sic T1-040396 sic@
10		+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, cb_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)			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:BITSTRING)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	
Comments:	@SIC_NAPP WA#RAB4521

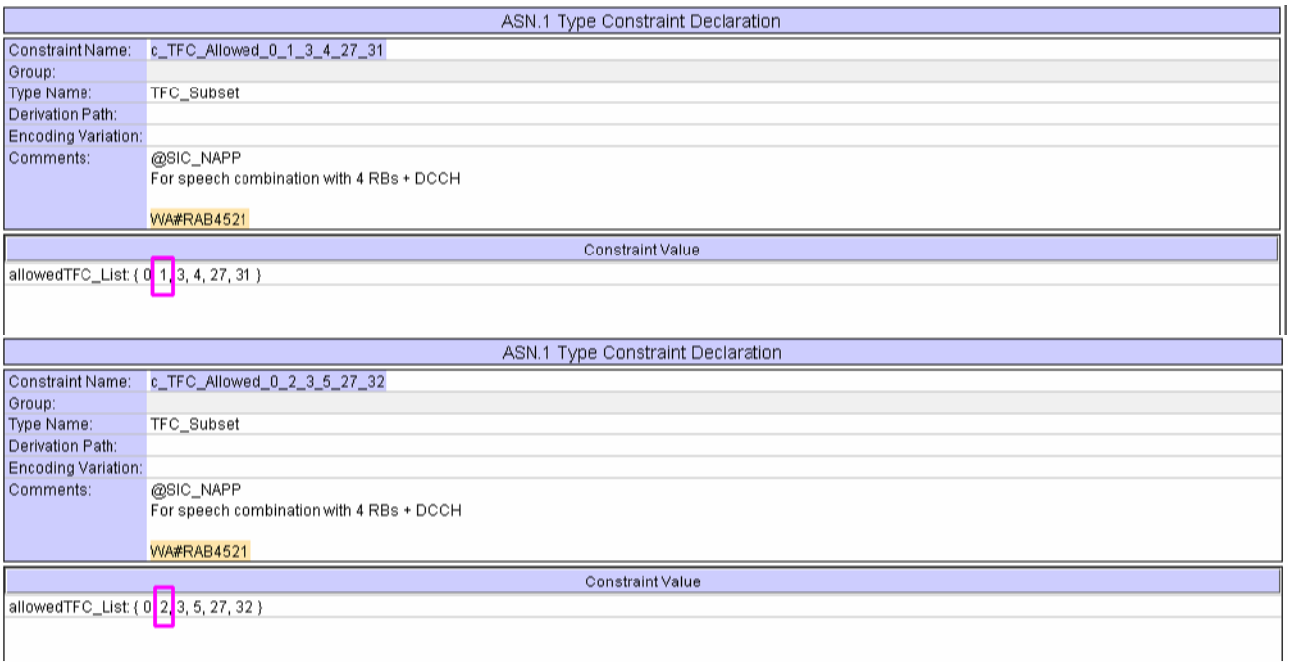
...	...	Behaviour Description	...	...	Comments
1		+ ts_RB_SubTest_RAB_SRB_RB20_Special (c_TFC_Allowed_0_1_2_3_12_15_27, c_TFC_Allowed_0_3_21_27_48, cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 1272, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 1, c_RB_Tx_Info(tsc_RB20,6392,60), OMIT, OMIT, OMIT), 20, 1)			Subtest 21 Steps 11-17 @sic T1-040396 sic@
2		+ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_12_13_15_16_27_28, c_TFC_Allowed_0_1_3_22_27_49, cb_UE_TestLoopMode1LB_Setup4 (39,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_RB20,6392,60), OMIT, OMIT), 20, 1)			Subtest 22 Steps 11-17 @sic T1-040396 sic@
3		+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, cb_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)			Subtest 23 Steps 11-17 @sic T1-040396 sic@

4	+ ts_RB_SubTest_RAB_SRB_RB20_Special (c_TFC_Allowed_0_1_2_3_12_15_27, c_TFC_Allowed_0_3_24_27_51, 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_RB20,7672,60), OMIT, OMIT, OMIT), 20, 1)		Subtest 24 Steps 11-17 @sic T1-040396 sic@
5	+ts_RB_SubTest_RAB_SRB_RB10_RB20_Special(c_TFC_Allowed_0_1_2_3_12_13_15_16_27_28, c_TFC_Allowed_0_1_3_25_27_52, cb_UE_TestLoopMode1LB_Setup4 (39,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_RB20,7672,60), OMIT, OMIT), 20, 1)		Subtest 25 Steps 11-17 @sic T1-040396 sic@
6	+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, cb_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_RB20,7672,60)), 20, 1)		Subtest 26 Steps 11-17 @sic T1-040396 sic@

Detailed Comment:

30.5 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 o more PDUs in TM are yet to ne transmitted. This data in TM can not be sent with the original allowed TFC lists as they require data on AM. So the inclussion 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:	c_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:	c_TFC_Allowed_0_2_3_5_27_32
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, 32 }

31 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.

32 Execution Log Files

32.1 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.

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

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

Reason for change:	⌘	To add verified GCF 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:	⌘	**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 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

34 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.

35 Table of Contents

36 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

37 Corrections required for test case 14.2.58a

None

38 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.

39 Execution Log Files

39.1 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.

39.2 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.

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF 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:	⌘	

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

Other comments:	⌘	

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

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

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

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

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

41 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.

42 Table of Contents

43 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

44 Corrections required for test case 7.2.3.28

44.1 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:

44.2 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:	RLC/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:	RLC_Default
Comments:	References: TS 25.322 Clause 9.2.2.11.4.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(300)			
2		+pr_GenericSetupProcedures			
3		+pr_RB_SetupAM7(cds_RLC_InfoAM_7_2_3_28)			
4		(tcv_Poll_PDU := 4)			1
5		+pr_CloseUE_TestLoop((2 * tcv_Poll_PDU * tcv_PayloadSize - 1) * 8)			WA#RLC3409
6	TBS	(tcv_TestBody := TRUE)			
7		REPEAT ts_TxAM_7_PRBS(tsc_P_NoPoll, c_LisEmpty, tcv_PayloadSize) UNTIL [tcv_AM_VTS = (2 * tcv_Poll_PDU) - 1]			2
8		+ts_TxAM_7_PRBS(tsc_P_NoPoll, c_Lis1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			3
9		REPEAT it_RxPDUAndCheckHeader UNTIL [tcv_AM_VRR = (2 * tcv_Poll_PDU) - 1]			4
10		+ts_GetRxAM_PRBS(tcv_PayloadSize - 1)			5
11		+it_RxPDU(cr_AMD_LI_Data(c_Lis1_7BitLI(tcv_PayloadSize - 1), tcv_AM_RxData.data))			6
12		+it_CheckRxHeader			7
13	TBP1	(tcv_TestBody := FALSE)		(P)	
14		+po_GenericCleanupProcedures			

45 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.

46 Execution Log Files

46.1 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.

46.2 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.

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

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

Reason for change:	⌘	To add verified GCF 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:	⌘	

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

Other comments:	⌘	

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

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

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

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

48 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.

49 Table of Contents

50 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

51 Corrections required for test case 7.2.3.32

51.1 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:

51.2 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

lt_UpdateVRH_AndCheckPollBit					
26		+ts_UpdateVRH(tcv_AMD_PDU)			
27		[tcv_AMD_PDU.pollingBit = tsc_P_No Poll]			8
28		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			8
29		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Nack0(tcv_AM_VRH), (2 * (tcv_PayloadSize + 2)) - 11)		8 WA#RLC3400

51.3 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

lt_RxPDU					
14		TM ? RxAMD (tcv_AMD_PDU := RxAMD.data)	car_DataInd(tsc_RB_AM_7_RLC, cr_AMD_LI_Data(c_Lls1_7BitLI(tcv_PayloadSize - 1), *))		4
15		(tcv_NumPDUsRx := tcv_NumPDUsRx + 1)			4
16		+lt_UpdateVRH_AndCheckPollBit			4
17		TM ? RxAMD (tcv_AMD_PDU := RxAMD.data)	car_DataInd(tsc_RB_AM_7_RLC, cr_AMD_Data(*))		4
18		(tcv_NumPDUsRx := tcv_NumPDUsRx + 1)			4
19		+lt_UpdateVRH_AndCheckPollBit			4
20		TM ? RxStatus (tcv_StatusPDU := RxStatus.data)	car_StatusInd(tsc_RB_AM_7_RLC)		5
21		+lt_CheckStatusPDU			9
22		(tcv_NumMRWsRx := tcv_NumMRWsRx + 1, tcv_StatusReceived := TRUE)			WA#RLC3408
23		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_MRWAckAndNoMore('0000'B, INT_TO_BIT(tcv_AM_VRH, 12)) (2 * (tcv_PayloadSize + 2)) - 7)		6 WA#RLC3401
24	TBP1	[tcv_NumPDUsRx = 6]		(P)	7
25	TBF1	[TRUE]		(F)	7

51.4 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 VT(DAT) = MaxDAT for any PDU the sender initiates the SDU discard with explicit signalling 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_SetupAM7(cbs_DefaultRLC_InfoAM)			
4		+pr_CloseUE_TestLoop((2 * tcv_PayloadSize - 1) * 8)			
5		(tcv_NumSDUsTx := 0, tcv_NumPDUsRx := 0, tcv_NumMRWsRx := 0, tcv_StatusReceived := FALSE)			WA#RLC3408
6	TBS	(tcv_TestBody := TRUE)			
7		REPEAT lt_TxSDU UNTIL [tcv_NumSDUsTx = 2]			1
8		REPEAT lt_RxPDU UNTIL [(tcv_NumPDUsRx >= 6) AND (tcv_StatusReceived = TRUE)]			2 WA#RLC3408
9	TBE	(tcv_TestBody := FALSE)			
10		+po_GenericCleanupProcedures			

It_RxPDU					
14		TM ? RxAMD (tcv_AMD_PDU := RxAMD.data)	car_DataInd(tsc_RB_AM_7_RLC, cr_AMD_LI_Data(c_LIs1_7BitLI(tcv_PayloadSize - 1), *))		4
15		(tcv_NumPDUsRx := tcv_NumPDUsRx + 1)			4
16		+It_UpdateVRH_AndCheckPollBit			4
17		TM ? RxAMD (tcv_AMD_PDU := RxAMD.data)	car_DataInd(tsc_RB_AM_7_RLC, cr_AMD_Data(*))		4
18		(tcv_NumPDUsRx := tcv_NumPDUsRx + 1)			4
19		+It_UpdateVRH_AndCheckPollBit			4
20		TM ? RxStatus (tcv_StatusPDU := RxStatus.data)	car_StatusInd(tsc_RB_AM_7_RLC)		5
21		+It_CheckStatusPDU			9
22		(tcv_NumMRWsRx := tcv_NumMRWsRx + 1, tcv_StatusReceived := TRUE)			WA#RLC3408
23		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_MRWAckAndNoMore('0000'B, INT_TO_BIT (tcv_AM_VRH, 12)), (2 * (tcv_PayloadSize + 2)) - 7)		6 WA#RLC3401
24	TBP1	[tcv_NumPDUsRx = 6]		(P)	7
25	TBF1	[TRUE]		(F)	7

52 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.

53 Execution Log Files

53.1 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.

53.2 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.

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

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

Reason for change:	⌘	To add verified GCF 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:	⌘	

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

Other comments:	⌘	

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

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

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

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

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

55 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.

56 Table of Contents

57 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

58 Corrections required for test case 7.2.3.35

58.1 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:

58.2 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

lt_TestBody						
11	TBS	(tcv_TestBody:= TRUE)				
12		(tcv_NumPDUsTx:= 0, tcv_NumPollsRx:= 0, tcv_NumTimeouts:=0, tcv_Count := (2 * 1000 / tsc_TTI), tcv_InvalidTimeout:=FALSE, tcv_RLC_WaitForPoll:= FALSE)				
13		+ts_RB_ReconfigAM7_RLC_7_2_3_35 (tsc_DefaultCellId)				(1) WA#RLC3404
14		START t_TTI				(2)
15		REPEAT lt_TxAndRx UNTIL [(tcv_NumPDUsTx =tcv_Count) AND(tcv_AMD_SeqNum =INT_TO_BIT((tcv_Count)-1,12))) OR (tcv_InvalidTimeout = TRUE)]				(3)
16		(tcv_RLC_WaitForPoll:= TRUE)				
17		REPEAT lt_TxAndRx UNTIL [(tcv_RLC_WaitForPoll = FALSE)]				(4)
18		+lt_CheckNumPolls				(5)

58.3 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 bearerReconfiguaration procedure as defined in 3G TS 25.331 clause 8.2.2 for an AM RAB requiring 7 bit length indicators. Tailored for the needs of tc_7_2_3_35.
Defaults:	RRC_Def1
Comments:	WA#RLC3405

...	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo(p_CellId)			
2		CPHY ! CPHY_Frame_Number_REQ	cas_GetFrameNum(p_CellId, tsc_DL_DPCH1)		
3		CPHY ? CPHY_Frame_Number_CNF (tcv_FrameNumber := CPHY_Frame_Number_CNF.frameNumber)	car_GetFrameNum(p_CellId, tsc_DL_DPCH1)		
4		(tcv_ActTime := (256 + tcv_FrameNumber - (tcv_FrameNumber MOD 8 + 8)) MOD 256, tcv_TGCFN := (tcv_FrameNumber + (256 - 4)) MOD 256)			
5		+lt_SendRB_Reconfig			
6		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui)		
7		+ ts_SaveCellInfo (p_CellId)			
8		+ts_RRC_ReceiveRB_ReconfigCmpl(p_CellId)			
lt_SendRB_Reconfig					
9		[tcv_CN_Domain = cs_domain]			
10		AM!RLC_AM_DATA_REQ	cas_RB_ReconfigureWithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_Reconfigure (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellIndInfo.dL_Integrity, tcv_ActTime, cell_DCH, tsc_DL_DPCH1_SFP_RLC_7BitLI, OMIT, pl1, OMIT, c_RB_InfoReconfigList_RLC_7_2_3_35 (tsc_RB10), OMIT, c_UL_CommTrChInfoRLC_8K, c_UL_AddReconfTransChInfoList7_RLC_AM, c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoList2RLC, c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_DL_DPCH1_ChC_RLC_7_BitLI, tcv_TmpCellInfo.dl_DPCH_2ndScrCode), tsc_UL_DPDCH_SF_RLC_7BitLI, tcv_TmpCellInfo.uL_ScramblingCode))		WA#RLC3405
11		[tcv_CN_Domain = ps_domain]			
12		AM!RLC_AM_DATA_REQ	cas_RB_ReconfigureWithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_Reconfigure (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellIndInfo.dL_Integrity, tcv_ActTime, cell_DCH, tsc_DL_DPCH1_SFP_RLC_7BitLI, OMIT, pl1, OMIT, c_RB_InfoReconfigList_RLC_7_2_3_35 (tsc_RB20), OMIT, c_UL_CommTrChInfoRLC_8K, c_UL_AddReconfTransChInfoList7_RLC_AM, c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoList2RLC, c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_DL_DPCH1_ChC_RLC_7_BitLI, tcv_TmpCellInfo.dl_DPCH_2ndScrCode), tsc_UL_DPDCH_SF_RLC_7BitLI, tcv_TmpCellInfo.uL_ScramblingCode))		WA#RLC3405

58.4 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_Identity)
Group:	
Type Name:	RB_InformationReconfigList
Derivation Path:	
Encoding Variation:	
Comments:	SRB1 to SRB4 and RB20 WA#RLC3406

Constraint Value

```
{
 {
  rb_Identity tsc_RB1,
  pdcp_Info OMIT,
  pdcp_SN_Info OMIT,
  rlc_Info OMIT,
  rb_MappingInfo OMIT,
  rb_StopContinue OMIT
 },
 {
  rb_Identity tsc_RB2,
  pdcp_Info OMIT,
  pdcp_SN_Info OMIT,
  rlc_Info OMIT,
  rb_MappingInfo OMIT,
  rb_StopContinue OMIT
 },
 {
  rb_Identity tsc_RB3,
  pdcp_Info OMIT,
  pdcp_SN_Info OMIT,
  rlc_Info OMIT,
  rb_MappingInfo OMIT,
  rb_StopContinue OMIT
 },
 {
  rb_Identity tsc_RB4,
  pdcp_Info OMIT,
  pdcp_SN_Info OMIT,
  rlc_Info OMIT,
  rb_MappingInfo OMIT,
  rb_StopContinue OMIT
 },
 {
  rb_Identity p_RAB_Id,
  pdcp_Info OMIT,
  pdcp_SN_Info OMIT,
  rlc_Info
  {
   ul_RLC_Mode ul_AM_RLC_Mode cd_UL_AM_RLC_SRB_RLC_7_2_3_35 ,
   dl_RLC_Mode dl_AM_RLC_Mode
   {
    inSequenceDelivery TRUE,
    receivingWindowSize rw128,
```

58.5 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:	cb_UL_AM_RLC.
Encoding Variation:	
Comments:	WA#RLC3407

Constraint Value
REPLACE max_RST BY rst4, REPLACE pollingInfo. timerPollProhibit BY OMIT, REPLACE pollingInfo.timerPoll BY tp600, REPLACE pollingInfo.poll_PDU BY OMIT, REPLACE pollingInfo.poll_SDU BY OMIT, REPLACE pollingInfo.lastTransmissionPDU_Poll BY FALSE, REPLACE pollingInfo.lastRetransmissionPDU_Poll BY FALSE, REPLACE pollingInfo.pollWindow BY OMIT, REPLACE pollingInfo.timerPollPeriodic BY tper1000

58.6 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:	RLC/AcknowledgedMode/
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 t_Guard(300)			
2		+pr_GenericSetupProcedures			
3		+pr_RB_SetupAM7(cbs_DefaultRLC_InfoAM)			
4		+pr_CloseUE_TestLoop((tcv_PayloadSize - 1) * 8)			
5		+lt_TestBody			
6	TBE	(tcv_TestBody:= FALSE)			
7		(tcv_RLC_IgnoreStatus := TRUE)			(27) WA#RLC3410
8		CANCEL t_TTI			
9		+po_OpenUE_TestLoop			
10		+po_GenericCleanupProcedures			

59 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.

60 Execution Log Files

60.1 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.

61 References

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

CR-Form-v7

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

Use one of the following releases:

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

Reason for change:	⌘	To add 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:	⌘	**Y**	**N**		
			X	Other core specifications	⌘
			X	O&M Specifications	
Other comments:	⌘				

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

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

3GPP TSG-R5 E-Mail 2005 ***R5s050141***
01 Mar - 31 Dec 2005

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

62 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.

63 Table of Contents

64 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

65 Corrections required for test case 8.1.1.9

65.1 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.

65.2 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		(tcv_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		(tcv_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~~66 Execution Log Files

~~5.1~~66.1 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~~66.2 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.

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

Use one of the following releases:

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

Reason for change:	⌘	To add 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:	⌘	Y N ☐ X Other core specifications ☐ ☐ ☐ X O&M Specifications
Other comments:	⌘	

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

3GPP TSG-RAN5 E-Mail 2005 ***R5s050074***
17 Feb - 31 Dec 2005

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

68 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.

69 Table of Contents

70 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

71 Corrections required for test case 8.1.2.11

71.1 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.

71.2 Change 1

Testcase	tc_8_1_2_11, lt_TestBody
Reason for change	1) The SIB 11, which is being transmitted, is not at per 34.123-1specific 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	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_Rels			
15	ERR1	[px_RAT=tdd]		I	TDD specific behaviour
16	ERR2	[TRUE]		I	
It_TestBody					
17		+ts_SetAttenuationLevel (tsc_CellA , tcv_CellInfoA.powerpCPICH+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_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity) START t_LowerBound (tsc_T300_Min)	car_RRC_ConnReq (tsc_CellA, tsc_RB0, cdr_RRC_ConnReqRACH (tcv_RRC_EstCauMO))	(P)	step 1
20		UM!RLC_UM_DATA_REQ	cas_RRC_ConnSetup(tsc_CellA, tsc_RB0, cs_RRC_ConnSetupFACH_Freq (tcv_InitialUE_Id, tcv_RRC_Ti, tcv_CellInfoF.priScrmCode, 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_ReconfFACH_ToFACH (tsc_CellA, tsc_CellF)			
23	TBP2	AM?RLC_AM_DATA_IND (tcv_StartList := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.rrcConnectionSetupComplete.startList)	car_RRC_ConnSetupCmpl (tsc_CellDedicated , tsc_RB2, cr_RRC_RrcConnSetupCmplRadioCap(tcv_RRC_Ti, cr_RadioAccessCapabilityDef(tcv_PDCP_Capability, tcv_DL_TurboSupport, tcv_UL_TurboSupport, tcv_SimultaneousSCCPCH_DPCH_Reception, {cipheringAlgorithmCap tcv_CellIndInfo.cipheringAlgorithmCapability, integrityProtectionAlgorithmCap tsc_IntegrProtAlgCap}), c_InterSysMsgGSM))	(P)	step 6
24		+ It_GetHFN			
25		(tcv_CellInfoA.cellConfig :=cell_FACH)			

After:

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, cdr_SIB11_1_CellInfoRACH_8_1_2_11 (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF), tsc_Now)			Send modified SIB11
9		+ts_SS_CreateCellFACH (tsc_CellF)			CellF is created for settings T 1 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_Rels			
15	ERR1	[px_RAT=tdd]		I	TDD specific behaviour
16	ERR2	[TRUE]		I	
It_TestBody					
17		+ts_SetAttenuationLevel (tsc_CellA , tcv_CellInfoA.powerpCPICH+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_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity)	car_RRC_ConnReq (tsc_CellA, tsc_RB0, cdr_RRC_ConnReqRACH_Cpich_Ec_No (tcv_RRC_EstCauMO))	(P)	step 3
20		UM!RLC_UM_DATA_REQ	cas_RRC_ConnSetup(tsc_CellA, tsc_RB0, cs_RRC_ConnSetupFACH_Freq (tcv_InitialUE_Id, tcv_RRC_Ti, tcv_CellInfoF.priScrmCode, 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_ReconfFACH_ToFACH (tsc_CellA, tsc_CellF)			
23	TBP2	AM?RLC_AM_DATA_IND (tcv_StartList := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.rrcConnectionSetupComplete.startList)	car_RRC_ConnSetupCmpl (tsc_CellDedicated , tsc_RB2, cr_RRC_RrcConnSetupCmplRadioCap(tcv_RRC_Ti, cr_RadioAccessCapabilityDef(tcv_PDCP_Capability, tcv_DL_TurboSupport, tcv_UL_TurboSupport, tcv_SimultaneousSCCPCH_DPCH_Reception, {cipheringAlgorithmCap tcv_CellIndInfo.cipheringAlgorithmCapability, integrityProtectionAlgorithmCap tsc_IntegrProtAlgCap}), c_InterSysMsgGSM))	(P)	step 5
24		+ It_GetHFN			
25		+ts_NAS_ConnRejectMO (tsc_CellF)			
26		(tcv_CellInfoA.cellConfig :=cell_FACH_NoDedicated, tcv_CellInfoF.cellConfig :=cell_FACH)			

New Constraints:

ASN.1 PDU Constraint Declaration	
Constraint Name:	cdr_SIB11_1_CellInfoRACH_8_1_2_11(p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3, p_IntraCellInfo4, p_IntraCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 : CellInfoCfg)
Group:	
PDU Name:	SysInfoType11
Derivation Path:	cb_SIB11_Def.
Encoding Rule Name:	
Encoding Variation:	
Comments:	

Constraint Value

REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_Ec_N0.intraFreqMeasurementSysInfo.intraFreqReportingQuantityForRACH BY
{
sfn_SFN_OTD_Type noReport,
modeSpecificInfo fdd : {
intraFreqRepQuantityRACH_FDD cpich_EcN0
}
},
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_Ec_N0.intraFreqMeasurementSysInfo.maxReportedCellsOnRACH BY currentCell

ASN.1 PDU Constraint Declaration	
Constraint Name:	cdr_RRC_ConnReqRACH_Cpich_Ec_No (p_EstCause: EstablishmentCause)
Group:	
PDU Name:	UL_CCCH_Message
Derivation Path:	cbr_108_RRC_ConnReq.
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP Defined in TS 34.108 clause 9.

Constraint Value

REPLACE message.rrcConnectionRequest.initialUE_Identity BY (c_UE_IdDefIMSI, c_UE_IdDefTMSI, c_UE_IdDefP_TMSI),
REPLACE message.rrcConnectionRequest.measuredResultsOnRACH BY
{
currentCell
{
modeSpecificInfo fdd : {
measurementQuantity cpich_Ec_N0 : ?
}
}
}

71.3 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 : InitialUE_Identity; 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 rrcConnectionSetup:
 r3 :
 {
  rrcConnectionSetup_r3 --RRCConnectionSetup_r3_IEs
  {
   initialUE_Identity p_InitUEId,
   rrc_TransactionIdentifier p_RRC_Ti ,
   activationTime OMIT,
   new_U_RNTI p_U_RNTI_New ,
   new_c_RNTI p_CRNTI_New,
   rrc_StateIndicator cell_FACH ,
   utran_DRX_CycleLengthCoeff 9,
   capabilityUpdateRequirement {
    ue_RadioCapabilityFDDUpdateRequirement TRUE,
    ue_RadioCapabilityTDDUpdateRequirement FALSE,
    systemSpecificCapUpdateReqList {gsm}
   },
   srb_InformationSetupList {
    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_CommTrChInfoDCCH_13_6k,
   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 : InitialUE_Identity; 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 rrcConnectionSetup: r3 : { rrcConnectionSetup_r3 --RRCConnectionSetup_r3_IEs { initialUE_Identity p_InitUEId, rrc_TransactionIdentifier p_RRC_Ti , activationTime OMIT, new_U_RNTI p_U_RNTI_New , new_c_RNTI p_CRNTI_New, rrc_StateIndicator cell_FACH , utran_DRX_CycleLengthCoeff 9, capabilityUpdateRequirement { ue_RadioCapabilityFDDUpdateRequirement TRUE, ue_RadioCapabilityTDDUpdateRequirement FALSE, systemSpecificCapUpdateReqList {gsm} }, srb_InformationSetupList { 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_CommTrChInfoDCCH_13_6k, 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 c_DL_InfoPerRL_PriScramCode(p_PriScrmCode) }, laterNonCriticalExtensions OMIT } }
Detailed Comment:

New constraint:

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_InfoPerRL_PriScramCode (p_ScrmbCode : PrimaryScramblingCode ;)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value
{{ modeSpecificInfo fdd : { primaryCPICH_Info { primaryScramblingCode p_ScrmbCode } , pdsch_SHO_DCH_Info OMIT, pdsch_CodeMapping OMIT } , dl_DPCH_InfoPerRL OMIT }

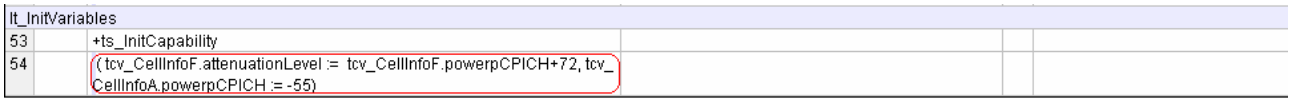
71.4 Change 3

Testcase	tc_8_1_2_11, lt_InitVariables
Reason for change	As per 34.123-1 at T0 Cell power level of Cell A should be –55dbm. But in TTCN it is programmed as –60dbm.
Summary of change	Added assignment ‘tcv_CellInfoA.powerpCPICH := -55’ at line no: 44 of the testcase.
Source of change	New change

Before:

lt_InitVariables					
43		+ts_InitCapability			
44		(tcv_CellInfoF.attenuationLevel := tcv_CellInfoF.powerpCPICH+72)			

After:



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.

72 Execution Log Files

72.1 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.

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

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

Reason for change:	⌘	To add verified GCF 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:	⌘	

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

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

3GPP TSG-RAN5 E-Mail 2005 **R5s050138**
01 Jan - 31 Dec 2005

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

73 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.

74 Table of Contents

75 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

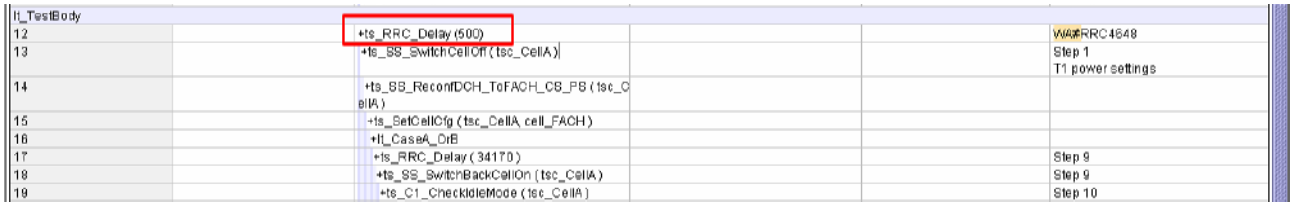
76 Corrections required for test case 8.3.1.30

76.1 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.

76.2 Tc_8_3_1_30 :lt_TestBody(WA#RRC4648)

Test step name	lt_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



76.3 Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4660)

Test step name	lt_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

76.4 Tc_8_3_1_30 : It_CaseA_OrB (WA#RRC4650)

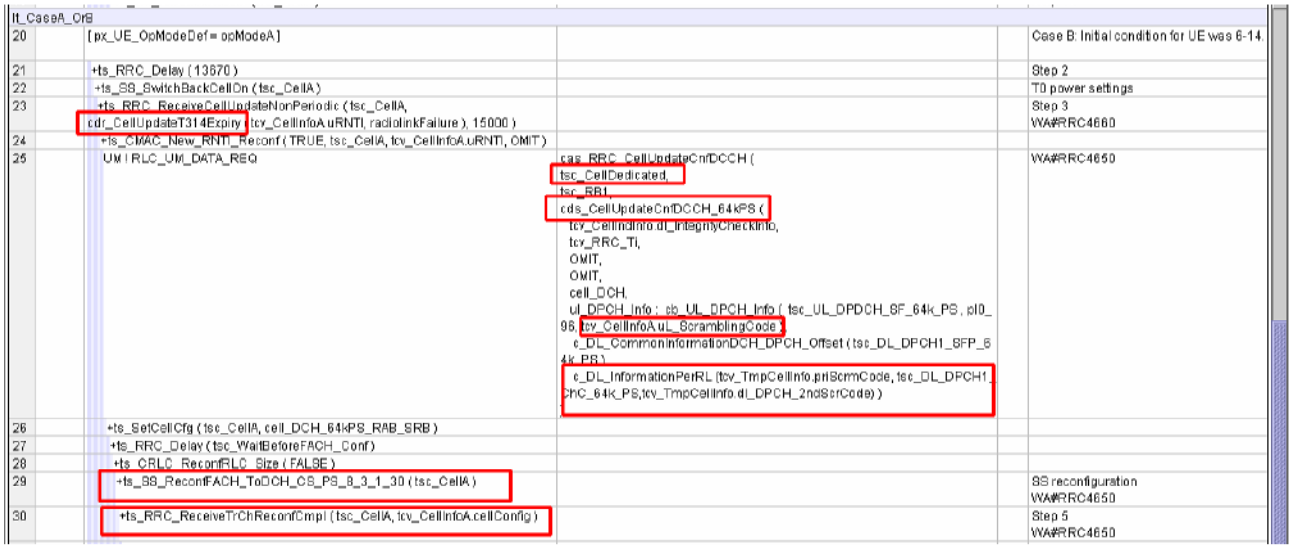
Test step name	lt_CaseA_OrB
Reason for change	Cell Update Confirm message is sent on RB1 and the CellID must be set to Cell Dedicated There is a mismatch between the local configuration and cellupdate confirm message. The local configuration is set to use 64K PS configuration for UL/DL but the IEs “ul_CommonTransChInfo” , “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 Scrabling 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 scrabling 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

76.5 Tc_8_3_1_30 : It_CaseA_OrB (WA#RRC4650)

Test step name	lt_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 needs to be maintained, the test step ts_SS_ReconfFACH_ToDCH_CS_PS uses tsc_UL_DCH1 & tsc_DL_DCH1 and therefore it cannot be used.
Summary of change	Used new test step ts_SS_ReconfFACH_ToDCH_CS_PS_8_3_1_30
Source of change	New Change
Label	WA#RRC4650

76.6 Tc_8_3_1_30 : It_CaseA_OrB (WA#RRC4650)

Test step name	lt_CaseA_OrB
Reason for change	Since ul_CommonTransChInfo , ul_deletedTransChInfoList, dl_CommonTransChInfo, dl_DeletedTransChInfoList is included in the Cell Update confirm message the UE would send a Transport Channel Reconfiguration message. Note Prose CR is required for this Change.
Summary of change	Called the test step ts_RRC_ReceiveTrChReconfCmpl (tsc_CellA, tcv_CellInfoA.cellConfig)
Source of change	New Change
Label	WA#RRC4650

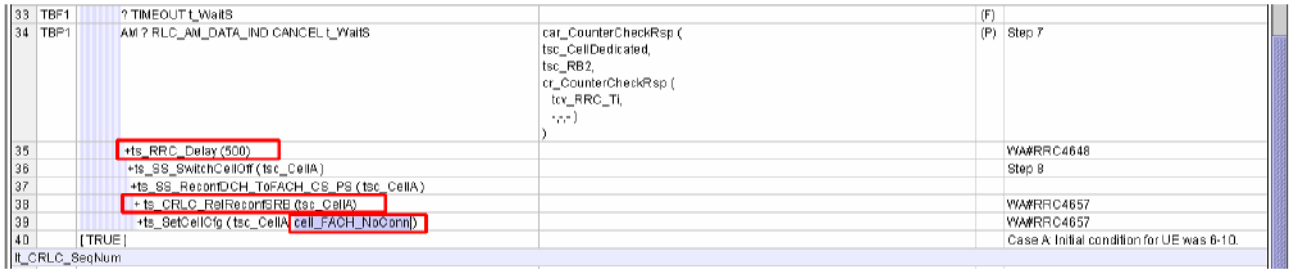


76.7 Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4648)

Test step name	lt_CaseA_OrB
Reason for change	A Delay is required to make sure the ACK for Counter Check Response message is sent.
Summary of change	Added +ts_RRC_Delay (500)
Source of change	New Change
Label	WA#RRC4650

76.8 Tc_8_3_1_30 : lt_CaseA_OrB (WA#RRC4657)

Test step name	lt_CaseA_OrB
Reason for change	Since the Connection is released and UE is in idle mode, The RLC must be Released and recongiured to reset the Sequence Number. The SS config must be updated to Cell_FACH_NoConn
Summary of change	Added + ts_CRLC_RelReconfSRB (tsc_CellA) and changed cell config to cell_FACH_NoConn.
Source of change	New Change
Label	WA#RRC4657



76.9 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 dlconnectedTrCHList.[0].trchid BY tsc_DL_DCH4

76.10 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

76.11 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

	ASN
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

76.12 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:	cds_CellUpdateCnfDCCH_64kPS (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_108_CellUpdateCnfDCCH.
Encoding Rule Name:	
Encoding Variation:	
Comments:	WA#RRC4649

Constraint Value
REPLACE message.cellUpdateConfirm.r3.cellUpdateConfirm_r3.ul_CommonTransChInfo BY c_UL_CommTrChInfoDCH_PS_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_CommonTransChInfoDCH (c_TFCS_CmpI0_1_2_3_4_5_6_7_8_9_Rx), REPLACE message.cellUpdateConfirm.r3.cellUpdateConfirm_r3.dl_DeletedTransChInfoList BY c_DL_DeletedTransChInfoCS_Speech

76.13 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 PI	
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

```
{
 integrityCheckInfo *,
 message counterCheckResponse : {
  rrc_TransactionIdentifier p_RRC_TI,
  rb_COUNT_C_InformationList OMIT,
  laterNonCriticalExtensions * --@sic ER1500 sic@
 }
}
```

76.14 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:INTEGER)
Test Step Group Ref:	RRCM_SS_Steps/
Objective:	To Configure Physical channel DPCH1 and connect DCH5 to the physical channel, then SRBs in SS. Initially the SS was in CELL_FACH configuration.
Defaults:	SS_Def
Comments:	@slc OG 15/03/04 ER1589 ER1590 slc@ WA#RRC4653

Nr	La...	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		[tcv_TmpCellInfo.cellConfig = cell_DCH_64kPS_RAB_SRB]			
3		+ it_Config64kPS			
4	ERR	[TRUE]		!	Programming error
it_Config64kPS					
5		CPHY!CPHY_RL_Setup_REQ	ca_DL_DPCH_Info (p_CellId, tsc_DL_DPCH1, cb_DL_DPCH_64K_PS (c_DL_CommonInformationDCH_DPCH_Offset (tsc_DL_DPCH1_SFP_64k_PS), tcv_TmpCellInfo.dl_DPCH_2ndScrCode))		
6		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId, tsc_DL_DPCH1)		
7		CPHY!CPHY_TrCH_Config_REQ	ca_TrChCfgInfo (p_CellId, tsc_DL_DPCH1, c_TrChConfigTypeDCH_NoSHO,cd_DCH_336_148_DL_InfoActNow_DCH4)		
8		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId, tsc_DL_DPCH1)		
9		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_DL_DPCH1, c_UE_Info(OMIT, OMIT), cd_TrChInfoDL_336_148_DCH4, cd_TrLogMappingDL_4DCCH_1DTCH_PS_DCH4)		4. U-RNTI and C-RNTI are not needed on DPCH
10		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_DL_DPCH1)		
11		CPHY!CPHY_RL_Setup_REQ	ca_UL_DPCH_Info (p_CellId, tsc_UL_DPCH1, cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS, pl0_96, tcv_TmpCellInfo.uL_ScramblingCode))		
12		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId, tsc_UL_DPCH1)		
13		CPHY!CPHY_TrCH_Config_REQ	ca_TrChCfgInfo (p_CellId, tsc_UL_DPCH1, c_TrChConfigTypeDCH_NoSHO,cd_DCH_336_148_UL_InfoActNow_DCH4)		
14		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId, tsc_UL_DPCH1)		
15		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_UL_DPCH1, c_UE_Info(OMIT, OMIT), cd_TrChInfoUL_336_148_DCH4, cd_TrLogMappingUL_4DCCH_1DTCH_PS_DCH4)		4. U-RNTI and C-RNTI are not needed on DPCH
16		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_UL_DPCH1)		

76.15 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_SS_ReconfFACH_ToDCH_CS_PS_8_3_1_30 (p_CellId : INTEGER)
Test Step Group Ref:	RRCM_SS_Steps/
Objective:	To reconfigure SS from CELL_FACH to CELL_DCH state: 1> reconfigure CMAC : CMAC-reconfig (cellId) 2> create DPCH: CPHY-RL-Setup (cellId), CPHY-TrCh-config (cellId), CMAC-config (cell-1)
Defaults:	SS_Def
Comments:	@slc OG 18/12/03 T1-031749 slc@ WA#RRC4654

Nr	La...	Behaviour Description	Constraint Ref	..	Comments
1		+ts_SetTmpCellInfo (p_CellId)			
2		+ ts_CRLC_Rel (p_CellId , tsc_RB_BCCH_FACH)			
3		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_S_CCPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoPCH_FACH, c_TrLogMappingPCH_FACH_CellDCH)		map PCCH to PCH + Map CCCH to FACH
4		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId, tsc_S_CCPCH1)		
5		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow(p_CellId, tsc_PRACH1, c_UE_Info (OMIT, OMIT), cb_TrChInfoRACH1, cb_TrLogMappingRACH2)		mapping CCCH to RACH
6		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId, tsc_PRACH1)		
7		+ts_SS_ConfigFACH_ToDCH_CS_PS_8_3_1_30 (p_CellId)			Create DPCH @slc OG 15/03/04 ER1589 ER1590 slc@
8		+ts_SetCellCfg (tsc_CellA, cell_DCH_64kPS_RAB_SRB)			

77 Branches executed in test case 8.3.1.30

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

78 Execution Log Files

78.1 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.

79 References

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

CR-Form-v7

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF 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:	⌘	Y / N ☐ / X Other core specifications X / ☐ Test specifications ☐ / X O&M Specifications	⌘	Subclause 8.3.7.16.4 in 34.123-1	
Other comments:	⌘				

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

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

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

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

3GPP T1#2-TTCN e-Mail 2005 ran5 ⌘*R5s050076*

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

80 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).

81 2 Table of Contents

82 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

83 4 Corrections required for test case 8.3.7.16

83.1 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.

83.2 4.2 Presentation of the modifications

The modifications are presented by the use of '**Change Tables**' as described below, and by **screenshots** taken from the relevant parts of changed TTCN objects in TTCN.GR format.
In addition, if the **reason for a change** cannot be expressed in a few table lines, particular subclauses of clause 4 may be generated for detailed argumentation.
The '**Change Tables**' have the format described in the example below (all entries in the second column are for demonstration purposes only):

Table 1: Example Change Table

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

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

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

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

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

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

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

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

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

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

83.3 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:	tc_8_3_7_16				
Test Group Reference:	ISHO_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 recieves an INTER-SYSTEM HANDOVER COMMAND and the connetion to GSM for handover cannot be established.				
Configuration:					
Defaults:	IntersystemDef				
Comments:					

Nr	Label	Behaviour Description	Constraint Ref	V...	Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+lt_InitVariables			
4		+ts_SS_CreateCellDCH (tsc_CellA)			Configure lower tester
5		+ts_SendDefSysInfo_LongNeighCellInfo (tsc_CellA)			Sends the default system information in CellA
6		+ts_SendModifiedSysInfoSIB11_12(tsc_CellA)			
7		+ts_IdleUpdated(tsc_CellA)			Idle Update and bring UE to CELL_DCH state and release the connection again
8		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)			
9		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_PhyCh1, tsc_ChPwrLvl_Off)			
10	TBS	(tcv_TestBody := TRUE)			
11		+lt_LocalTest			
12	TBE	(tcv_TestBody := FALSE)		(P)	
13		+ts_GSM_ChannelRelease (tsc_GSM_CellA, tsc_G_TrchId1)			To Release the Traffic channel
14		+ts_Delete_GPRS_Entities(tsc_GSM_CellA, tsc_PhyCh1, tsc_LLEEntity)			
15		+po_GPRS_SS_CellRelease (tsc_GSM_CellA)			
16		+ts_SSconfigToInitialState(tsc_CellA)			WA#2G3RRC0542
17		+po_ConnectionAndSS_Rels			
18	ERR1	[px_RAT=tdd]		(I)	
19	ERR2	[TRUE]		(I)	
lt_LocalTest					
20		+lt_SubtestInitVariables			
21		+ts_CC_EnterU10_MT_Speech(tsc_CellA)			step 1 Bring the mobile into Mobile terminated CC U10 state.
22		+ts_RRC_MultiCallEstPS_MO_P19 (tsc_CellA)			
23		+ts_GSM_SetCellPowerLevel2Ch (tsc_GSM_CellA, tsc_PhyCh0, tsc_PhyCh1, 73)			tsc_ChPwrLvl_High
24		+ts_SS_CreatePhyChOfTrafficChType(tsc_GSM_CellA, tsc_G_TrchId1, tsc_G_TimeSlot, c_G_ChModeSpeechFROrHRV1, 1)			step 3
25		(tcv_RR_ChannelType2 := 9 , tcv_RR_Subchannel2 := 15)			
26		+lt_SubTest			
lt_InitVariables					
27		+ts_RRC_InitVariables(cell_DCH)			
28		(tcv_CellInfoA.lac := '0080'O, tcv_CellInfoA.rac := '00'O)			
29		+ts_GSM_InitVariablesDef_specific_qoffset			WA#2G3RRC0540 Initialises the Variables depending on the GSM Band under usage.
30		(tcv_IdleSIB11_CellA := c_SIB11_3_Intra3_Inter2_InterRAT_Def (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_G_CellInfoA, tcv_G_CellInfoB), tcv_IdleSIB12_CellA := c_SIB12_3_Intra3_Inter2_InterRAT_Def (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_G_CellInfoA, tcv_G_CellInfoB))			
31		+ts_GPRS_InitVariablesDef			
lt_SubtestInitVariables					
32		+ ts_G_HandoverCommandInitialise26_6_5_1_2 (tsc_GSM_CellA , c_G_ChModeSpeechFROrHRV1)			
33		+lt_FreqBand			
lt_SubTest					
34		G_CL2 ! G_CL2_HoldPhyInfo_REQ	cabs_G_CL2_HoldPhyInfo_REQ (tsc_GSM_CellA , tsc_G_TrchId1 , tcv_RR_ChannelType2, tcv_RR_Subchannel2, 4)		Preparing the L1 of SS to send Physical Info on receiving 4 Access Bursts
35		G_CL2 ? G_CL2_HoldPhyInfo_CNF	cabr_G_CL2_HoldPhyInfo_CNF (tsc_GSM_CellA , tsc_G_TrchId1 , tcv_RR_ChannelType2, tcv_RR_Subchannel2)		
36		+ts_TransmitPhysicalInformation(tsc_G_TrchId1 , tcv_RR_ChannelType2)			
37		AM ! RLC_HandoverReq	cabs_RLC_HandoverReq(tsc_CellDedicated, tsc_RB2, cs_G_HandoverFromUTRAN_CommandGSM (o_HO_PER_Encoding(cbs_InterSystemHandoverToGSM (tcv_CellIndInfo.dl_IntegrityCheckInfo, cb_HandoverFromUTRANCommand_GSM (tcv_RRC_Ti , c_RAB_Info_T314, tcv_FreqBand))) , o_TTCN_HO_CommandToBitstring (tcv_GSM_HO_Cmd)))		step 4 Sending the Handover Command.
38		+ts_ReceiveHandoverAccessBurst(tsc_G_TrchId1 , tcv_RR_ChannelType2)			
39		G_L2 ? G_L2_L2Estab_IND	cabr_G_L2_L2Estab_IND(tsc_GSM_CellA, tsc_G_TrchId1, tcv_RR_ChannelType2, tcv_RR_Subchannel2, *)		
40	TBP1	G_L2 ? G_L2_DATA_IND	cabr_HOCmpInd(tsc_GSM_CellA ,0, tsc_G_TrchId1, tcv_RR_ChannelType2, tcv_RR_Subchannel2,?, cr_G_HandOverCmp_Normal)	(P)	step 13 Receiving Handover complete with Normal RR Cause

41	TBP2	G_L2 ? G_L2_DATA_IND CANCEL t_WaitS	cr_G_L2_DATA_IND (tsc_GSM_CellA, 0, tsc_G_TrchId1, tcv_RR_ChannelType2 ,?, ?, cr_GPRS_SUSPENSIONREQ(?,?,?))	(P)	step 14 Receive Suspension Msg
42		(tcv_Tl_S:=cs_Tl_MT,tcv_Tl_R.tiFlag:='1'B)			WA#2G3RRC0539
43		+ts_G_Disconnect(tsc_GSM_CellA, tsc_G_TrchId1)			
44		+ts_G_ChannelRelease_ResumeGPRS (tsc_GSM_CellA, tsc_G_TrchId1)			
45		+ts_U2GCellChange_RAUpdate(tsc_GSM_CellA, tsc_PhyCh1, ?, '001'B)			step 18 to 18 Combined Updating
46		+ ts_InitialiseDlyAndTrafficClass			
47		(tcv_QoS_lv := cs_QoS_InteractiveOrBackgroundMT_lv(tcv_DlyClass, tcv_TrafficClass), tcv_QoS_lv.peakThroughput := '0011'B)			step 19 peak throughput modified
48		+ts_RRC_Delay(5000)			WA#2G3RRC0541
49		+ts_G_ModifyPDP_Context_AcceptOrDeactivate(tsc_GSM_CellA, tsc_PhyCh1, c_LLC_SAPI_11, tcv_QoS_lv)			step 19 to B20c
50		[(tcv_Count = 1)]			UE already detached, so don't do it again
51		[TRUE]			
52		+ts_G_DetachOnSwitchOff (tsc_GSM_CellA)			
It_FreqBand					
53		[(px_GSM_BandUnderTest = tsc_GSM_P_900Band_Test) OR (px_GSM_BandUnderTest = tsc_GSM_E_900Band_Test) OR (px_GSM_BandUnderTest = tsc_GSM_DCS1800Band_Test) OR (px_GSM_BandUnderTest = tsc_GSM_450Band_Test) OR (px_GSM_BandUnderTest =tsc_GSM_480Band_Test)]			
54		(tcv_FreqBand = dcs1800BandUsed)			
55		[(px_GSM_BandUnderTest = tsc_GSM_PCS1900Band_Test)]			
56		(tcv_FreqBand = pcs1900BandUsed)			
Detailed Comment					

83.4 4.4 Other modifications relevant for tc_8_3_7_16

83.4.1 4.4.1 c_SI2quaterMeasParams3G_ISHO_specific_qoffset

TTCN object	c_SI2quaterMeasParams3G_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_SI2quaterMeasParams3G_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	

Structured Type Constraint Declaration

Constraint Name:	c_SI2quaterMeasParams3G_ISHO_specific_qoffset
Group:	
Type Name:	SI2quaterRO_MeasParamDescr3G
Derivation Path:	
Encoding Variation:	
Comments:	WA#2G3RRC0540

Element Name	Element Value	Type Encoding	Comments
qsearsh_I	'0111'B		
qsearch_C_Initial	'0'B		
fDDMask	'1'B		
fDD_Qoffset	'1111'B		not present if fDDMask = 0 @sic T1s050001 sic @
fDD_REP_QUANT	'0'B		not present if fDDMask = 0
fDD_MULTIRAT_REPORTING	'01'B		not present if fDDMask = 0 @sic T1s050001 sic @
fDD_Qmin	'000'B		not present if fDDMask = 0
tDDMask	'0'B		
tDD_Qoffset	-		not present if tDDMask = 0
tDD_MULTIRAT_REPORTING	-		not present if tDDMask = 0

83.4.2 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(p_CellId : CellId; p_PhysicalChId : PhysicalChId; p_LLC_SAPI_v: LLC_SAPI_v; p_qos_lv: QualityOfService_lv)
Test Step Group Ref:	GPRS_Specific/
Objective:	
Defaults:	IntersystemGPRS
Comments:	

Nr	...	Behaviour Description	Constraint Ref	V...	Comments
1		+ts_DownlinkTBFEstablishment(p_CellId, p_PhysicalChId, bcch)			
2		(tcv_TI_S.tiFlag:='1'B)			WA#2G3RRC0539
3		G_LLC ! G_LLC_UNITDATA_REQ	cas_G_LLC_UnitData_Req(tsc_LLEEntity, tcv_TLLI, tsc_LLCSapi_GMM, tsc_LLC_PM, tsc_LLC_NoCiph, cbs_Modify_PDP_ContextReq_MT(tcv_TI_S, p_LLC_SAPI_v, p_qos_lv))		Send Modify PDP Context Request message
4		+ts_UplinkTBFOnePhase(p_CellId, p_PhysicalChId)			
5		G_LLC ? G_LLC_UNITDATA_IND	car_G_LLC_UnitData_IND(tsc_LLEEntity, cbr_Modify_PDP_ContextAcp_MO)	(P)	either receive Modify PDP Context Activation Accept message
6		G_LLC ? G_LLC_UNITDATA_IND	car_G_LLC_UnitData_IND(tsc_LLEEntity, cbr_Deact_PDP_ContextReq_MO(tsc_RejCau_QoS_NotAcc))	(P)	or receive Deactvate PDP Context from the UE with cause set to QoS not acceptable
7		+ts_DownlinkTBFEstablishment(p_CellId, p_PhysicalChId, bcch)			
8		G_LLC ! G_LLC_UNITDATA_REQ	cas_G_LLC_UnitData_Req(tsc_LLEEntity, tcv_TLLI, tsc_LLCSapi_GMM, tsc_LLC_PM, tsc_LLC_NoCiph, cbs_Deact_PDP_ContextAcp_MT(tcv_TI_S))		
9		START t_3390			UE may optionally send Detach Request
10		+ts_UplinkTBFOnePhase(p_CellId, p_PhysicalChId)			
11		G_LLC ? G_LLC_UNITDATA_IND	car_G_LLC_UnitData_IND(tsc_LLEEntity, cr_DetachRequest_MO)	(P)	
12		+ts_DownlinkTBFEstablishment(p_CellId, p_PhysicalChId, bcch)			
13		G_LLC ! G_LLC_UNITDATA_REQ	cas_G_LLC_UnitData_Req(tsc_LLEEntity, tcv_TLLI, tsc_LLCSapi_GMM, tsc_LLC_PM, tsc_LLC_NoCiph, cs_DetachAcc)		
14		(tcv_Count := 1)			Update this so test case knows not to detach on switch off
15		? TIMEOUT t_3390			

Detailed Comment:

83.4.3 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:	
Defaults:	IntersystemDef
Comments:	WA#2G3RRC0540

Nr	...	Behaviour Description	...	..	Comments
1		(tcv_SI2quaterRO := c_SI2quaterRO('1'B, c_SI2quater_3G_1NCell(INT_TO_BIT(tcv_CellInfoA.frequencyInfo. modeSpecificInfo.fdd.uarfcn_DL, 14), INT_TO_BIT(tcv_CellInfoA.priScrmCode, 10)), '1'B, c_SI2quaterMeasParams3G_ISHO_specific_qoffset, '0'B, OMIT))			Set up default value of SI2quater @sic ER1801 sic@ WA#2G3RRC0540
2		[(px_GSM_BandUnderTest = tsc_GSM_P_900Band_Test) OR (px_GSM_BandUnderTest = tsc_GSM_E_900Band_Test)]			
3		(tcv_G_CellInfoA := c_G_CellConfigInfoGSM900)			
4		[(px_GSM_BandUnderTest = tsc_GSM_DCS1800Band_Test)]			
5		(tcv_G_CellInfoA := c_G_CellConfigInfoGSM1800)			
6		[(px_GSM_BandUnderTest = tsc_GSM_450Band_Test)]			
7		(tcv_G_CellInfoA := c_G_CellConfigInfoGSM450)			
8		[(px_GSM_BandUnderTest = tsc_GSM_480Band_Test)]			
9		(tcv_G_CellInfoA := c_G_CellConfigInfoGSM480)			
10		[(px_GSM_BandUnderTest = tsc_GSM_PCS1900Band_Test)]			
11		(tcv_G_CellInfoA := c_G_CellConfigInfoGSM1900)			
12		[TRUE]		(I)	Inconclusive

83.5 4.5 Changes referred to from previous CRs

N/A

84 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.

85 6 Supplementary information

85.1 6.1 ATS

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

85.2 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).

85.3 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**

86 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).

87 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

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

Use one of the following releases:

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

Reason for change:	⌘	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:	⌘	**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.

Tdoc ⌘R5s050112

Title:	**Changes to test case 8.3.9.5 required for approval**
Source:	Aeroflex
Document for:	Approval
Contact:	**Kundan Sehmbey**

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88 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.

89 2 Table of Contents

90 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

91 4 Corrections required for test case 8.3.9.5

91.1 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.

91.2 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 3: Example Change Table

TTCN object	*tc_8_3_9_5*
Reference ATS	***IR_U_wk19.mp***
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:

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.

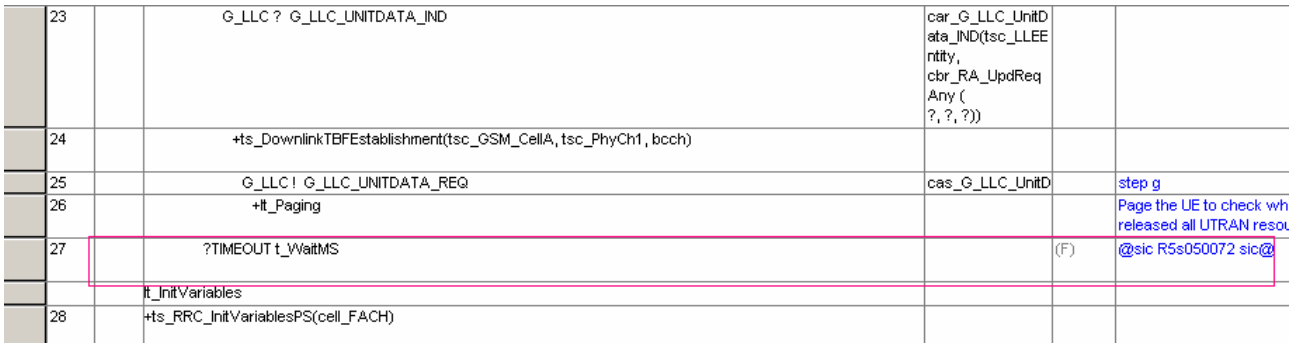
ETSI comment: ETSI colleagues giving a dedicated reply to the current CR document may use this field.

AEROFLEX conclusion: Filled by AEROFLEX when ETSI answer does not indicate acceptance of the change request.

4.3 Modifications

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	



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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF 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:	⌘	Y	N		
			X	Other core specifications	⌘
		X		Test specifications	34.123-1
			X	O&M Specifications	
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

93 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.

94 Table of Contents

95 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

96 Corrections required for test case 8.4.1.6

96.1 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.

96.2 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

lt_TestBody					
15	TBS	(tcv_TestBody := TRUE)			
16		+lt_CompressedModeCondition			
17		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlInterFreq (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 15, tcv_CellInfoD, cpich_RSCP, FALSE, FALSE, {ue_State cell_DCH }, FALSE, TRUE, nIS, OMIT))		Step 8 in prose; Send measurement control msg for CPICH_RSCP of cell4
18		(tcv_Tolerance := (8 * 1000) / 10)			
19		START t_WaitMS (8 * 1000 + tcv_Tolerance)			Initialize the wait timer to 8 seconds
20	TBF1	? TIMEOUT t_WaitMS		(F)	Timer expires the test case fails
21	TBP1	AM ?RLC_AM_DATA_IND	cas_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportInterFreqPeriodic (15, tcv_CellInfoD, OMIT, OMIT, ?))	(P)	Step 9 in prose;
22		CANCEL t_WaitMS			cancel timer
23		+lt_SendPhyChConf			Step 10 in prose;
24		+ ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)			WA#RRC4664
25		+ts_RB_ReconfDCH_ToFACH(tsc_CellA)			SS reconfigure the Physical Channel
26	TBP2	+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA, tcv_RRC_RAB_Type)			Step 11 in prose;
27		+ts_SysInfoModifySIB12_MIB_RRC (tsc_CellA, 2, c_SIB12_ModifiedMeasControl_tc_8_4_1_6 (1, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoG, tcv_CellInfoH, px_UARFCN_D_High), tsc_Now)			Step 12 & 13 in prose; SS modifies MIB and SIB 12

96.3 Tc_8_4_1_6 :lt_TestBody(WA#RRC4667)

Test step name	lt_TestBody

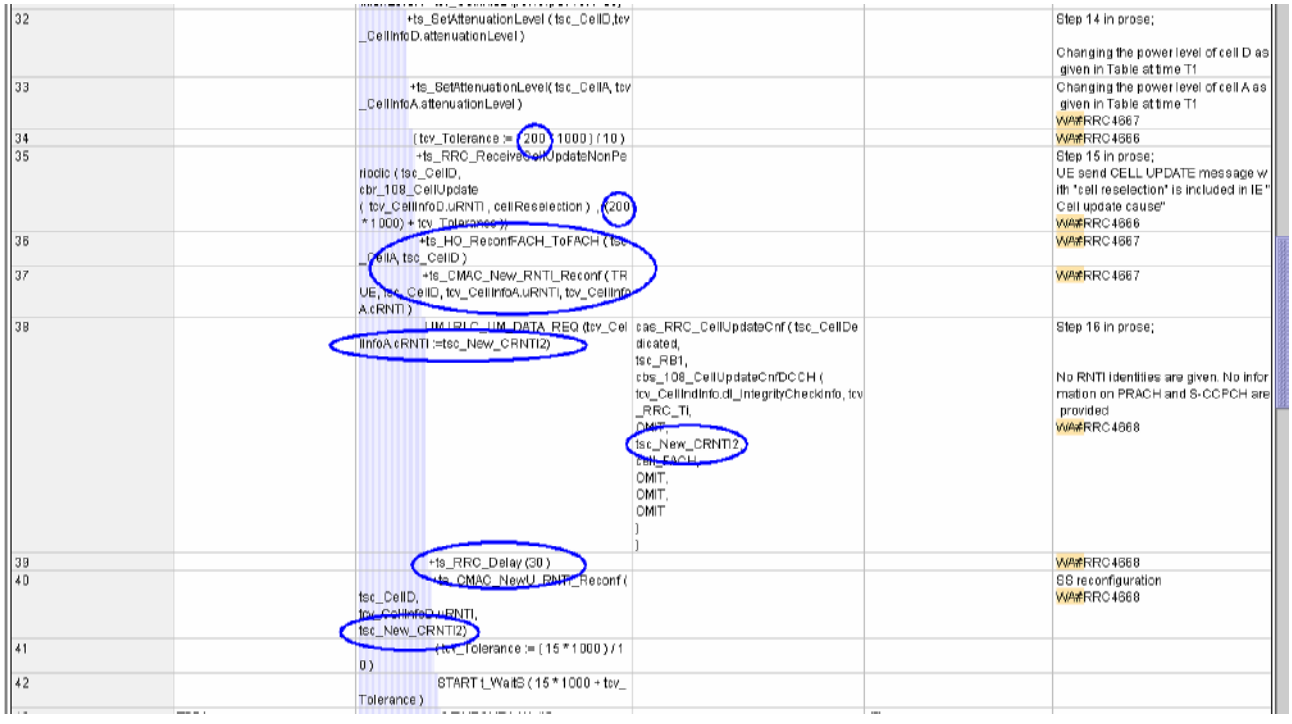
Reason for change	The test step ts_HO_ReconfFACH_ToFACH can be used to move from CellA to Cell D (as approved testcases uses this test step)after Cell Update message is received.
Summary of change	Removed ts_SS_Reconfig_DedicatedCh (tsc_CellD , tsc_CellA). Added +ts_HO_ReconfFACH_ToFACH (tsc_CellA, tsc_CellD) & +ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellD, 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

96.4 Tc_8_4_1_6 :lt_TestBody(WA#RRC4666)

Test step name	lt_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 calculatioin.
Source of change	New Change
Label	WA#RRC4666

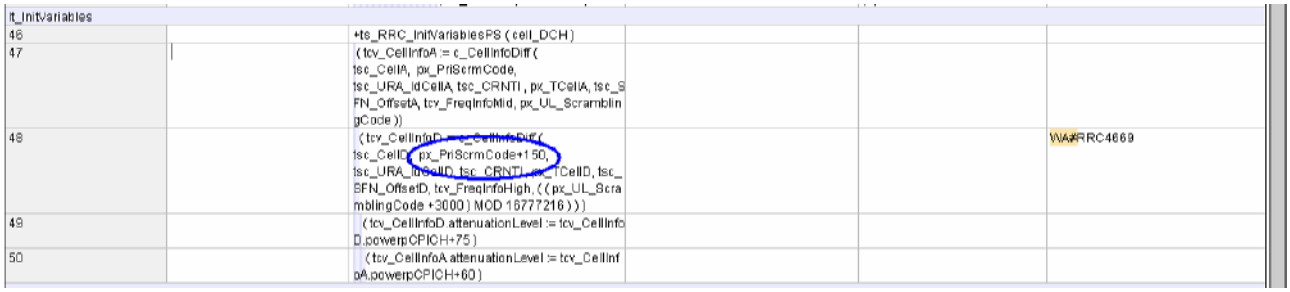
96.5 Tc_8_4_1_6 :lt_TestBody(WA#RRC4668)

Test step name	lt_TestBody
Reason for change	Constant is defined fot 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



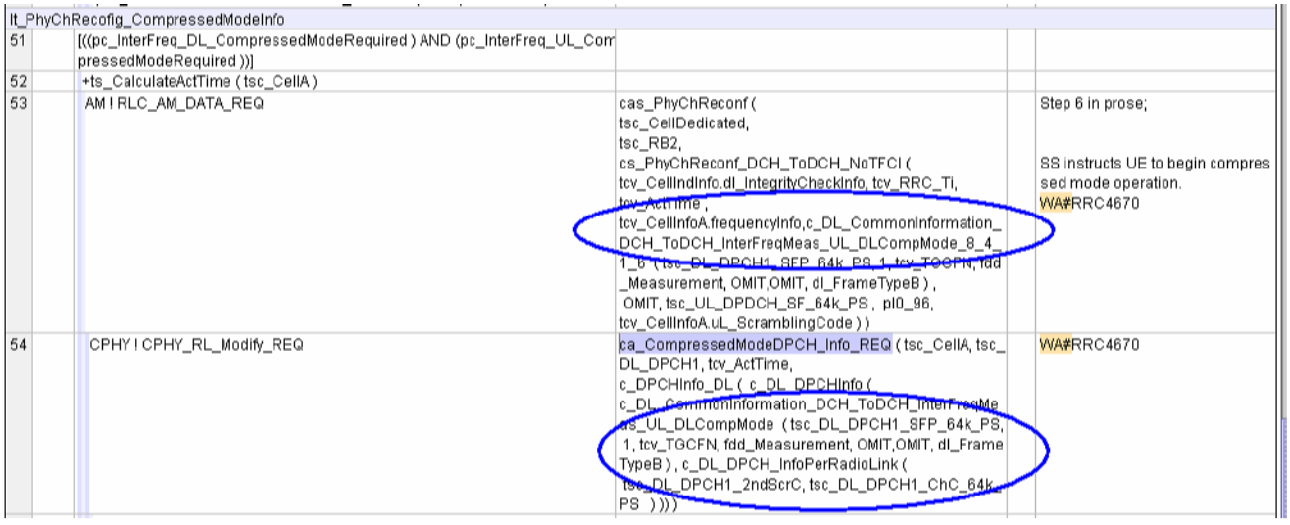
96.6 Tc_8_4_1_6 : lt_InitVariables (WA#RRC4669)

Test step name	lt_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



96.7 Tc_8_4_1_6 : lt_PhyChRecofig_CompressedModeInfo (WA#RRC4670)

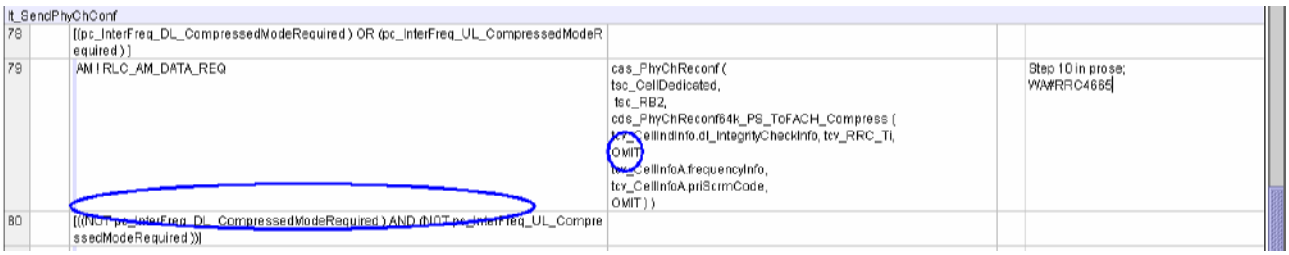
Test step name	lt_PhyChRecofig_CompressedModeInfo
Reason for change	The Dl-Common Information has got tgps status set to deactivate, according to the prose it must be set to activate. The local configuration requires the spreading factor scrambling code and TFCI information and also tgps_status is set to activate
Summary of change	Used the new constratint c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode_8_4_1_6 in cs_PhyChReconf_DCH_ToDCH_NoTFCI and Used the constraint c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode and included c_DL_DPCH_InfoPerRadioLink in ca_CompressedModeDPCH_Info_REQ
Source of change	New Change
Label	WA#RRC4670



96.8 Tc_8_4_1_6 : lt_SendPhyChConf (WA#RRC4665)

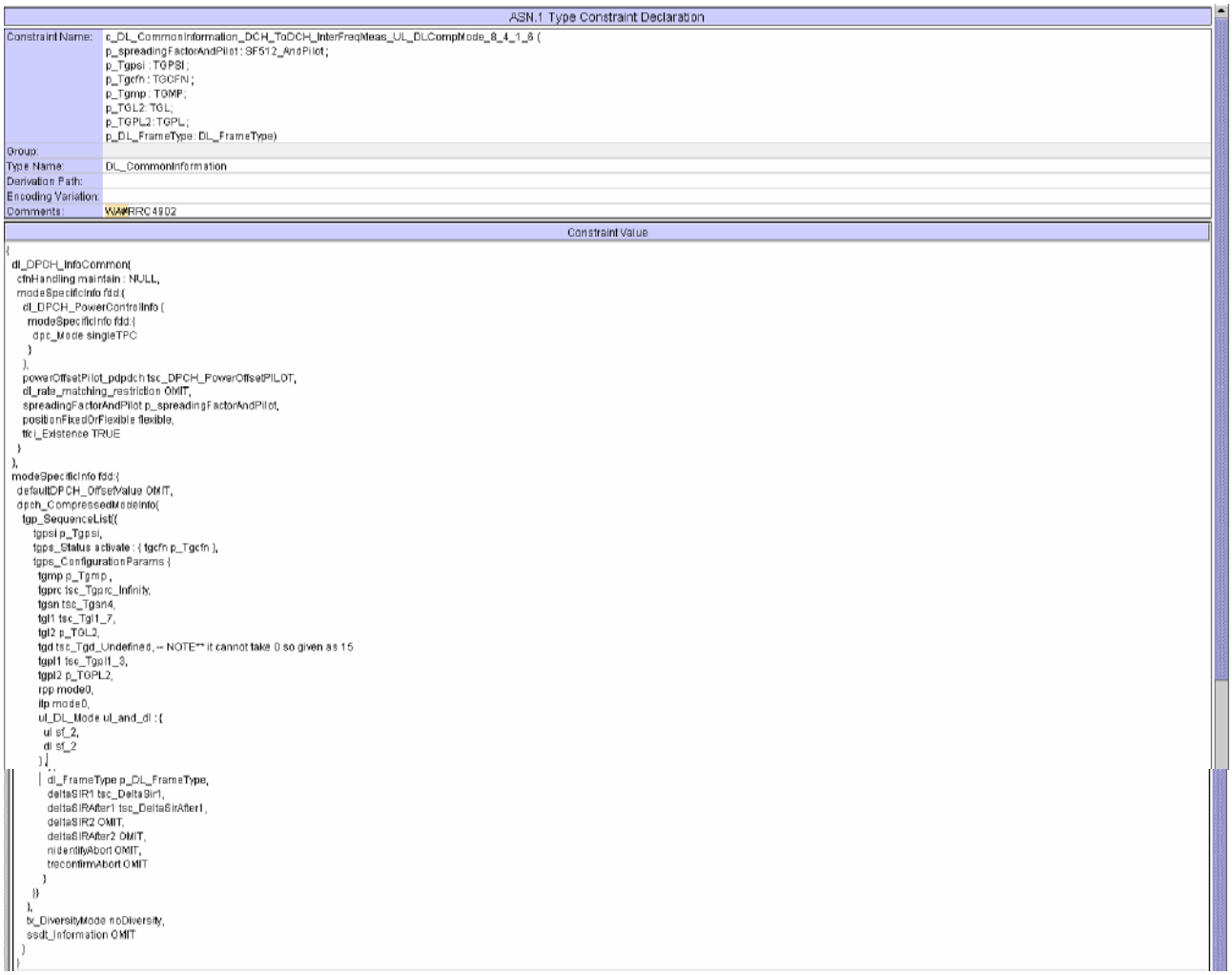
Test step name	lt_PhyChRecofig_CompressedModeInfo
Reason for change	Removed the CPHY_RL_Modify_REQ/CNF for UL/DL-DPCH as the DPCH are

	released when moving to FACH and its not required to deactivate tgps_status. Activation Time in Physical Channel Reconfiguration message must be set to OMIT when moving to FACH.
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 lt_SendPhyChConf
Source of change	New Change
Label	WA#RRC4665



96.9 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



ASN.1 Type Constraint Declaration

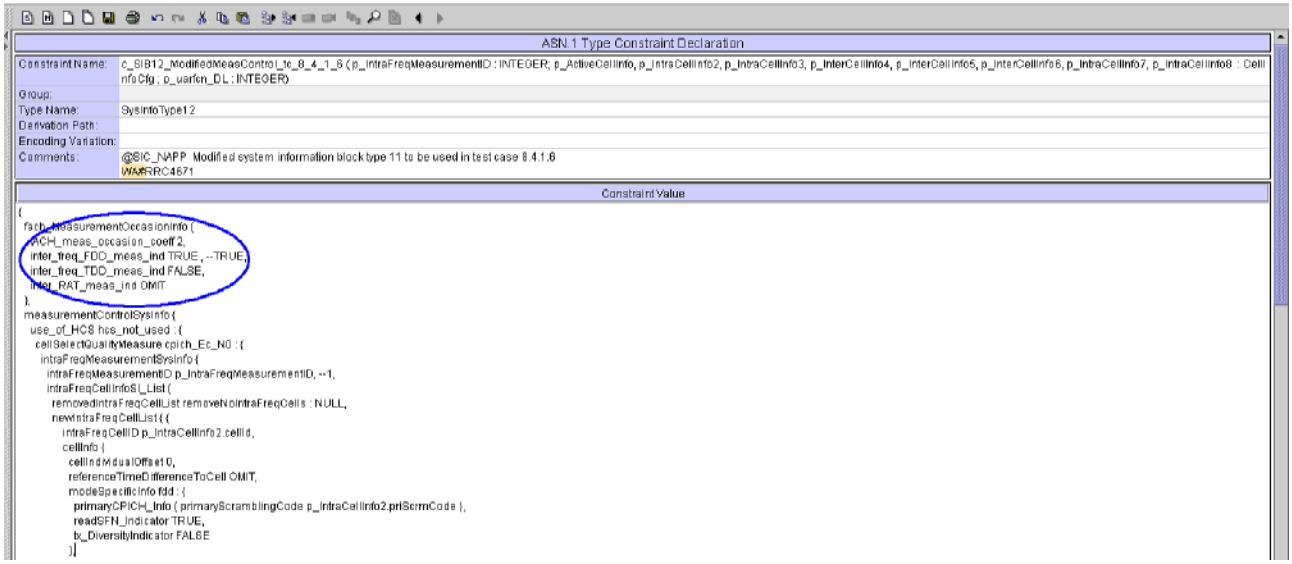
Constraint Name:	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode_8_4_1_6 (p_spreadingFactorAndPilot : SF512_AndPilot ; p_Tgpsi : TGPSI ; p_Tgcfn : TGCFN ; p_Tgmp : TGMP ; p_TGL2 : TGL ; p_TGPL2 : TGPL ; p_DL_FrameType : DL_FrameType)
Group:	
Type Name:	DL_CommonInformation
Derivation Path:	
Encoding Variation:	
Comments:	WA#RRC4902

Constraint Value

```
{
 dl_DPCH_InfoCommon{
  cfnHandling maintain : NULL,
  modeSpecificInfo fdd:{
   dl_DPCH_PowerControlInfo {
    modeSpecificInfo fdd:{
     dpc_Mode singleTPC
    }
   },
   powerOffsetPilot_pdpdch tsc_DPCH_PowerOffsetPilot,
   dl_rate_matching_restriction OMIT,
   spreadingFactorAndPilot p_spreadingFactorAndPilot,
   positionFixedOrFlexible flexible,
   tfci_Existence TRUE
  }
 },
 modeSpecificInfo fdd:{
  defaultDPCH_OffsetValue OMIT,
  dpch_CompressedModeInfo{
   tgp_SequenceList{{
     tgpsi p_Tgpsi,
     tgps_Status activate :{ tgcfn p_Tgcfn },
     tgps_ConfigurationParams {
      tgmp p_Tgmp ,
      tgprc tsc_Tgprc_Infinity,
      tgsn tsc_Tgsn4,
      tgl1 tsc_Tgl1_7,
      tgl2 p_TGL2,
      tgd tsc_Tgd_Undefined, -- NOTE** it cannot take 0 so given as 15
      tgpl1 tsc_Tgpl1_3,
      tgpl2 p_TGPL2,
      rpp mode0,
      itp mode0,
      ul_DL_Mode ul_and_dl :{
       ul sf_2,
       dl sf_2
      }
     }
     | ...
     | dl_FrameType p_DL_FrameType,
       deltaSIR1 tsc_DeltaSir1,
       deltaSIRAfter1 tsc_DeltaSirAfter1 ,
       deltaSIR2 OMIT,
       deltaSIRAfter2 OMIT,
       nidentifyAbort OMIT,
       treconfirmAbort OMIT
     }
    }},
   },
   tx_DiversityMode noDiversity,
   ssdt_Information OMIT
  }
 }
```

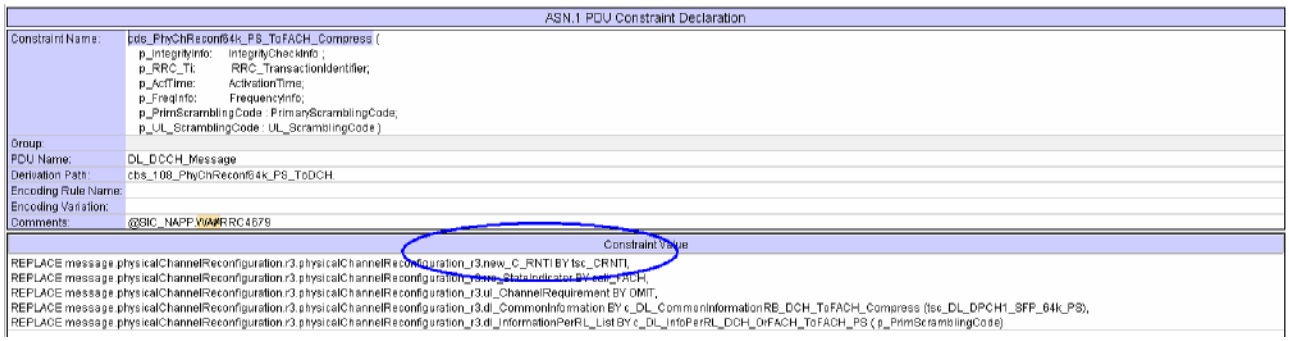
96.10 c_SIB12_ModifiedMeasControl_tc_8_4_1_6 (WA#RRC4671)

Constraint name	c_SIB12_ModifiedMeasControl_tc_8_4_1_6
Reason for change	The UE would only be able to do Inter-Cell Reselection if fach_MeasurementOccasionInfo is present in SIB 12
Summary of change	Included fach_MeasurementOccasionInfo IE is sysInfo, Note: A prose CR is required for this change and will be raised by R&S.
Source of change	New Change
Label	WA#RRC4671



96.11 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



97 Branches executed in test case 8.4.1.6

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

98 Execution Log Files

98.1 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.

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

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

Reason for change:	⌘	To add verified GCF 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:	⌘	

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

Other comments: ⌘

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

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

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

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

3GPP TSG-RAN5 E-Mail 2005 **R5s050136**
01 Jan - 31 Dec 2005

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

100 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.

101 Table of Contents

102 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

103 Corrections required for test case 9.4.5.4.6

103.1 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:

103.2 lt_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

lt_Start3Cells					
23		(tcv_CellInfoA.attenuationLevel:=tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoA.attFlag:= tsc_AttOff, tcv_CellInfoA.t3212:= tsc_T3212_1)			Set specific values for Cell A
24		+ts_MM_StartCellA			Start Cell A
25		+ts_SysInfoModifyMM(tsc_CellA, tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tcv_CellInfoA.lac, tcv_CellInfoA.attFlag, tcv_CellInfoA.t3212, tcv_CellInfoA.rac, tcv_CellInfoA.nmo)			WA#NAS4722

26		(tcv_CellInfoD.attenuationLevel:=tsc_AttenuationServingCell, tcv_CellInfoD.mcc:= tsc_MCC_022, tcv_CellInfoD.mnc:= tsc_MNC_Def, tcv_CellInfoD.lac:= tsc_LAC_2, tcv_CellInfoD.attFlag:= tsc_AttOff, tcv_CellInfoD.t3212:= tsc_T3212_1)			Set specific values for Cell D
27		+ts_MM_StartCellD			Start Cell D
28		+ts_SysInfoModifyMM(tsc_CellD, tcv_CellInfoD.mcc, tcv_CellInfoD.mnc, tcv_CellInfoD.lac, tcv_CellInfoD.attFlag, tcv_CellInfoD.t3212, tcv_CellInfoD.rac, tcv_CellInfoD.nmo)			WA#NAS4722
29		(tcv_CellInfoG.attenuationLevel:=tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoG.mcc:= tsc_MCC_022, tcv_CellInfoG.mnc:= tsc_MNC_3, tcv_CellInfoG.lac:= tsc_LAC_3, tcv_CellInfoG.attFlag:= tsc_AttOff, tcv_CellInfoG.t3212:= tsc_T3212_1)			Set specific values for Cell G
30		+ts_MM_StartCellG			Start Cell G
31		+ts_SysInfoModifyMM(tsc_CellG, tcv_CellInfoG.mcc, tcv_CellInfoG.mnc, tcv_CellInfoG.lac, tcv_CellInfoG.attFlag, tcv_CellInfoG.t3212, tcv_CellInfoG.rac, tcv_CellInfoG.nmo)			WA#NAS4722

103.3 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
Summary of change	Added (tcv_PSRegistrationRejectCause:=tsc_RejCauLA_Not) at line 7
Source of change	New Change
Label	WA#NAS4723

6		+lt_Start3Cells			2.
7		(tcv_CSRegistrationRejectCause := tsc_RejCauLA_Not,tcv_PSRegistrationRejectCause:=tsc_RejCauLA_Not)			WA#NAS4723
8		+ts_RegistrationReject(tsc_CellD)			

103.4 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 lt_Switchoff at line 9
Source of change	New Change
Label	WA#NAS4724

103.5 lt_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(tsc_CellG, tsc_AttenuationSuitableNeighbourCell)			Step 9 Set cell G attenuation l evel to "suitable"
19		+lt_Continue			
lt_Continue					
20		+ts_RRC_RandAccFail(108000)			WA#NAS4725

103.6 lt_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(tsc_CellG, 288000, tcv_CellInfoG.mcc, tcv_CellInfoG.mnc, tcv_CellInfoG.lac, tsc_LUT_Normal)			Steps 10-13 WA#NAS4726
22		+ts_RRC_ConnRel(tsc_CellG, cell_Dch)			Step 14 Connection Release

103.7 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
MM/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	Select Expression	Comments
MM_SelExp01	pc_CS	
MM_SelExp04	MM_SelExp01 AND pc_AutomaticAttachSwitchON	WA#NAS4727

104 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.

105 Execution Log Files

105.1 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.

105.2 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.

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

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

Reason for change:	⌘	To add verified GCF 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:	⌘	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 12.4.1.4c 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~~107 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~~108 Table of Contents

~~3~~109 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

110 Corrections required for test case 12.4.1.4c Proc1

~~4.1~~110.1 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.

110.2 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, tcv_Start)			
34		+ ts_RRC_Security (tsc_CellB, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)			
35		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdRej ('0E'O))		Step 9. ROUTING AREA UPDATING REJECT - cause = "PS services not allowed in this PLMN"

After change:

33		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
34		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdRej ('0E'O))		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~~111 Execution Log Files

~~5.1~~111.1 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~~112 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 one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPPTR 21.900.

Use one of the following releases:

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

Reason for change:	⌘	To add 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:	⌘	Y	N	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
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.

Tdoc ⌘R5s050173

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

113 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.

114 2 Table of Contents

115 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

116 4 Corrections required for test case 6.2.2.2

116.1 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.

116.2 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 4: Example Change Table

TTCN object	*tc_6_2_2_2*
Reference ATS	*IR_U_wk19.mp*
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:

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.

116.3 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	

116.3.1

	4	GOTO LOOP5	
		lt_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_SendGSMSysInfo(tsc_GSM_CellA,tsc_PhyCh0, gsmonly, bcch, si2terand2quater)	
	7	+ts_RRC_Delay(tsc_TWaitSysInfo)	

4.4 Changes referred to from previous CRs

117 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 ciphering enabled.

118 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]

119 7 References

[1]	R5s050174.zip Attachment containing the Successful log and the TTCN MP file for *tc_6_2_2_2*.
[2]	*IR_U_wk19*.mp ETSI *IR_U* 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 one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPPTR 21.900.

Use one of the following releases:

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

Reason for change:	⌘	To add 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:	⌘	**Y**	**N**		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	
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.

Tdoc ⌘R5s050179

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

120 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.

121 2 Table of Contents

122 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

123 4 Corrections required for test case 8.2.3.30

123.1 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.

123.2 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 5: Example Change Table

TTCN object	*tc_8_2_3_30*
Reference ATS	*HSDPA_r5_wk19.mp*
Change Label	*AEROFLEX#HSDPA 0101*
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:

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#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.

123.3 4.3 Modifications

4.3.2 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 lt_AT_SetQoS to row # 5
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before:

Test Step

Test Step Id:	ts_AT_OrgPS_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		(tcv_AT_Cmd :=o_ConcatStrg(o_ConcatStrg("AT+CGDCONT=1,""IP"","""", o_ConcatStrg (o_ConcatStrg (tsc_AccessPtNameDCH,"""",""""), px_PDP_IP_AddrInfoDCH)),"""",0,0<CR>"))	
3		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)
4		Ut ? AT_CmdCnf	ca_AT_CmdCnf
5		(tcv_AT_Cmd :="AT+CGACT=1,1<CR>")	
6		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)
7		+ lt_AT_SetQoS	
8		[pc_AT_SupportToInit_PS_Call = FALSE]	
9		(tcv_AT_Cmd :="AT+CGACT=1,1<CR>")	
10		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)

After:

Test Step	
Test Step Id:	ts_AT_OrgPS_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		(tcv_AT_Cmd :=o_ConcatStrg(o_ConcatStrg("AT+CGDCONT=1,""IP""," ", o_ConcatStrg (o_ConcatStrg (tsc_AccessPtNameDCH," "," "), px_PDP_IP_AddrInfoDCH)), " ",0,0<CR>"))	
3		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)
4		Ut ? AT_CmdCnf	ca_AT_CmdCnf
5		+ It_AT_SetQoS	
6		(tcv_AT_Cmd :="AT+CGACT=1,1<CR>")	
7		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)
8		[pc_AT_SupportToInit_PS_Call = FALSE]	
9		(tcv_AT_Cmd :="AT+CGACT=1,1<CR>")	
10		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)

4.3.3 cr_QoS_InterOrBackgrdMO_HS_lv

TTCN object	cr_QoS_InterOrBackgrdMO_HS_lv
Reference ATS	*HSDPA_r5_wk19.mp*
Change Label	*AEROFLEX#HSDPA 0102*
Reason for change	In Cr_QoS_InterOrBackgrdMO_HS_lv , 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 peakThoughput 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'O	
spare	'00'B	
dlyClass	p_DlyClass	
relabilityClass	'011'B	
peakThroughput	'0100'B	
spare1	'0'B	
precedenceClass	'000'B	

After:

Structured Type Constrain	
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'O	
spare	'00'B	
dlyClass	p_DlyClass	
relabilityClass	'011'B	
peakThroughput	?	
spare1	'0'B	
precedenceClass	'000'B	
spare2	'000'B	

4.3.4 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
}
```

4.5 Changes referred to from previous CRs

124 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.

125 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]

126 7 References

[1]	R5s050180.zip Attachment containing the Successful log and the TTCN MP file for *tc_8_2_3_30*.

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF 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:	⌘	

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

Other comments: ⌘

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

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

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

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

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

127 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.

128 Table of Contents

129 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

130 Corrections required for test case 8.2.4.36

130.1 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.

130.2 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 lt_AT_SetQoS before (tcv_AT_Cmd :="AT+CGACT=1,1<CR>")
Source of change	New Change
Label	WA#RRC_HS_0017

Test Step

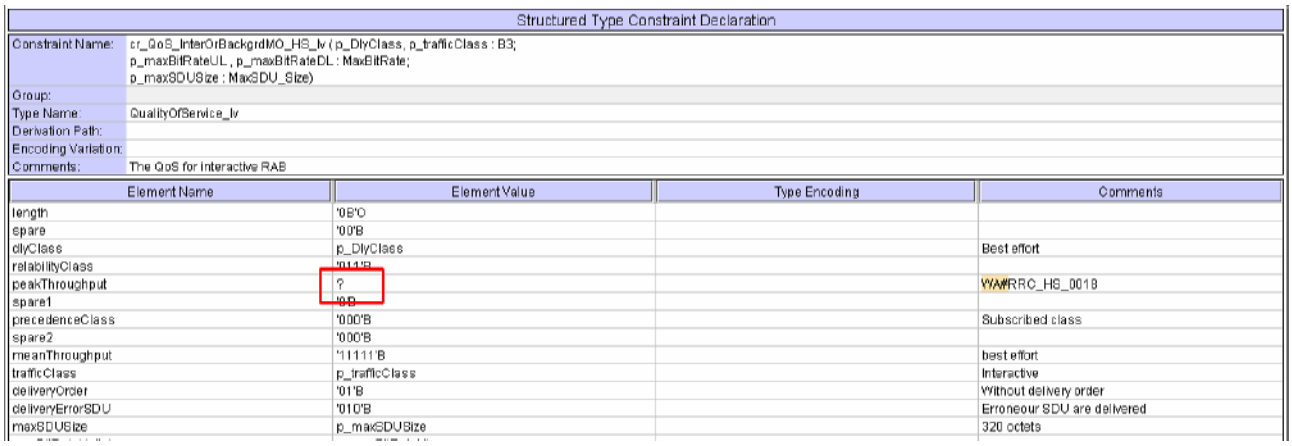
Test Step Id:	ts_AT_OrgPS_CallHSDPA (p_CellId : INTEGER)
Test Step Group Ref:	HSDPA_M_Steps/
Objective:	To trigger UE to originate a PDP context for HSDPA. The requested rate is set based on UE capability.
Defaults:	UT_OtherwiseFail
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[pc_AT_SupportToInit_PS_Call = TRUE]			USE complete set of AT commands.
2		(tcv_AT_Cmd := o_ConcatStrg(o_ConcatStrg("AT+CGDCONT=1,""IP"","""", o_ConcatStrg (o_ConcatStrg (tsc_AccessPtNameDCH,"""","), pc_PDP_IP_AddrInfoDCH)),"",0,0<CR>"))			
3		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
4		Ut ? AT_CmdCnf	ca_AT_CmdCnf		
5		+ lt_AT_SetQoS			WA#RRC_HS0017
6		(tcv_AT_Cmd :="AT+CGACT=1,1<CR>")			ACTIVATE PDP CONTEXT message for MO
7		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
8		[pc_AT_SupportToInit_PS_Call = FALSE]			USE only CGACT to initiate a call...
9		(tcv_AT_Cmd :="AT+CGACT=1,1<CR>")			ACTIVATE PDP CONTEXT message for MO
10		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		

130.3 cr_QoS_InterOrBackgrdMO_HS_lv (WA#RRC_HS0018)

Test step name	cr_QoS_InterOrBackgrdMO_HS_lv

Reason for change	In Cr_QoS_InterOrBackgrdMO_HS_lv , 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 peakThoughput to ? in order to fit with all rates.
Source of change	New Change
Label	WA#RRC_HS_0018



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	Element Value	Type Encoding	Comments
length	'0B'O		
spare	'00'B		
dlyClass	p_DlyClass		Best effort
reliabilityClass	'011'B		
peakThroughput	?		WAWRRC_HS_0018
spare1	'0'B		
precedenceClass	'000'B		Subscribed class
spare2	'000'B		
meanThroughput	'11111'B		best effort
trafficClass	p_trafficClass		Interactive
deliveryOrder	'01'B		Without delivery order
deliveryErrorSDU	'010'B		Erroneour SDU are delivered
maxSDUSize	p_maxSDUSize		320 octets

131 Branches executed in test case 8.2.4.36

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

132 Execution Log Files

132.1 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.

133 References

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

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1339** ⌘**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 8.2.2.38 to RRC ATS V5.0.0 (Revision of R5s050157)
Source:	⌘	3GPP TSG RAN WG5 (Testing)
Work item code:	⌘	N/A
Date:	⌘	23/05/2005
Category:	⌘	**B**
Release:	⌘	Rel 5

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI-014 RRC test cases 8.2.2.38 to the approved RRC ATS V5.0.0.
Summary of change:	⌘	This document lists all changes applied to test case 8.2.2.38 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS.

Clauses affected:	⌘	

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

Other comments: ⌘

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

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

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

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

Title: **Changes to test case 8.2.2.38 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

134 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.2.2.38 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.

135 Table of Contents

136 Verification Test Summary

Test Case:	TC_8_2_2_38
Test Group:	RRC/RB_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

137 Corrections required for test case 8.2.2.38

137.1 Introduction

This section describes the changes required to make test case 8.2.2.38 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.

137.2 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 lt_AT_SetQoS before (tcv_AT_Cmd :="AT+CGACT=1,1<CR>")
Source of change	New Change
Label	WA#RRC_HS_0017

Test Step

Test Step Id:	ts_AT_OrgPS_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	Verdict	Comments
1		[pc_AT_SupportToInit_PS_Call = TRUE]			USE complete set of AT commands.
2		(tcv_AT_Cmd :=o_ConcatStrg(o_ConcatStrg("AT+CGDCONT=1,""IP"","", o_ConcatStrg (o_ConcatStrg (tsc_AccessPtNameDCH,"","), px_PDP_IP_AddrInfoDCH)), "",0,0<CR>"))			
3		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
4		Ut ? AT_CmdCnf	ca_AT_CmdCnf		
5		+ lt_AT_SetQoS			WA#RRC_HS0017
6		(tcv_AT_Cmd :="AT+CGACT=1,1<CR>")			ACTIVATE PDP CONTEXT message for MO
7		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
8		[pc_AT_SupportToInit_PS_Call = FALSE]			USE only CGACT to initiate a call...
9		(tcv_AT_Cmd :="AT+CGACT=1,1<CR>")			ACTIVATE PDP CONTEXT message for MO
10		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		

137.3 cr_QoS_InterOrBackgrdMO_HS_lv (WA#RRC_HS0018)

Test step name	cr_QoS_InterOrBackgrdMO_HS_lv

Reason for change	In Cr_QoS_InterOrBackgrdMO_HS_lv , the peak throughput field is set to '0100'B. But this value is related to 64kbps.
Summary of change	Replaced the value of peakThoughput to ? in order to fit with all rates.
Source of change	New Change
Label	WA#RRC_HS_0018

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	Element Value	Type Encoding	Comments
length	'0B'O		
spare	'00'B		
dlyClass	p_DlyClass		Best effort
relabilityClass	'011'B		
peakThroughput	?		WAWRRC_HS_0018
spare1	'0'B		
precedenceClass	'000'B		Subscribed class
spare2	'000'B		
meanThroughput	'11111'B		best effort
trafficClass	p_trafficClass		Interactive
deliveryOrder	'01'B		Without delivery order
deliveryErrorSDU	'010'B		Erroneour SDU are delivered
maxSDUSize	p_maxSDUSize		320 octets

138 Branches executed in test case 8.2.2.38

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

139 Execution Log Files

139.1 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_2_38-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_2_38-pics-pixit-Qualcomm.html**
  Text file containing all PICS/PIXIT parameters used for testing.

140 References

[1] **R5s050198**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1340 ⌘**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-14 test case 8.2.1.30 to RRC ATS v5.0.0
Source:	⌘	3GPP TSG RAN WG5 (Testing)
Work item code:	⌘	N/A
Date:	⌘	20/05/05
Category:	⌘	**B**
Release:	⌘	Rel-5

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

Use one of the following releases:

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

Reason for change:	⌘	To add WI-14 HSDPA test case 8.2.1.30 to the approved RRC ATS v5.0.0
Summary of change:	⌘	This document lists all the changes applied to test case 8.2.1.30 of HSDPA wk-19 ATS
Consequences if not approved:	⌘	Test case will not be added to the ATS.

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

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

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

Tdoc ⌘R5s050184

Title:	**Changes to test case 8.2.1.30 required for approval**
Source:	Aeroflex
Document for:	Approval
Contact:	**Kundan Sehmbey**

kundan.sehmbey@aeroflex.com
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141 1 Overview

This document gives details of the changes made to the baseline TTCN implementation used to create the test case 8.2.1.30. Minimum changes are made so that it can be executed with one or more 3G UE.

142 2 Table of Contents

143 3 Verification Test Summary

Test Case: tc_8_2_1_30
Test Group: HSDPA/RRC/RRC_RAB_Establishment
ATS Version: HSDPA_wk19 + modifications
System Simulator used: RIWS 6401 AIME
UE used: Qualcomm 3G UE 6275
Verification Status: PASS

144 4 Corrections required for test case 8.2.1.30

144.1 4.1 Introduction

This document gives details of the changes made to the TTCN implementation to make test case 8.2.1.30 working with one or more 3G UE(s). The changes made are given a change label and are explained in the following session.

144.2 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 6: Example Change Table

TTCN object	*tc_8_2_1_30*
Reference ATS	*HSDPA_r5_wk19.mp*
Change Label	*AEROFLEX#HSDPA 0101*
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:

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#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.

144.3 4.3 Modifications

4.3.5 c_DL_CommonInformationDCH_DPCH_Offset_r5

TTCN object	c_DL_CommonInformationDCH_DPCH_Offset_r5
Reference ATS	*HSDPA_r5_wk19.mp*
Change Label	*AEROFLEX#HSDPA 0101*
Reason for change	During the radio bearer establishment procedure, the signalling connection is set to 3.4 kbps; hence, the position shall be set to fixed and the TFCI to FALSE
Summary of change	Changed the position to fixed and the TFCI existence to FALSE
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before:

Constraint Name:	c_DL_CommonInformationDCH_DPCH_Offset_r5 (p_Sf: SF512_AndPilot)
Group:	
Type Name:	DL_CommonInformation_r5
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP

Constraint Value

```
{
 dl_DPCH_InfoCommon
 {
  cfnHandling initialise : { cfntargetsfnframeoffset OMIT },
  modeSpecificInfo fdd :
  {
   dl_DPCH_PowerControlInfo
   {
    modeSpecificInfo fdd : { dpc_Mode singleTPC }
   },
   powerOffsetPilot_pdpdch tsc_DPCH_PowerOffsetPILOT,
   dl_rate_matching_restriction OMIT,
   spreadingFactorAndPilot p_Sf,
   positionFixedOrFlexible flexible,
   tfci_Existence TRUE
  }
 },
 modeSpecificInfo fdd :
 {
  defaultDPCH_OffsetValue tsc_DefaultDPCH_OffsetValue,
  dpch_CompressedModeInfo OMIT,
  tx_DiversityMode noDiversity,
  ssdt_Information OMIT
 },
 mac_hsResetIndicator true_value
}
```

After:

Constraint Name:	c_DL_CommonInformationDCH_DPCH_Offset_r5 (p_Sf: SF512_AndPilot)
Group:	
Type Name:	DL_CommonInformation_r5
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP

Constraint Value

```
{
 dl_DPCH_InfoCommon
 {
  cfnHandling initialise : { cfntargetsfnframeoffset OMIT },
  modeSpecificInfo fdd :
  {
   dl_DPCH_PowerControlInfo
   {
    modeSpecificInfo fdd : { dpc_Mode singleTPC }
   },
   powerOffsetPilot_pdpdch tsc_DPCH_PowerOffsetPILOT,
   dl_rate_matching_restriction OMIT,
   spreadingFactorAndPilot p_Sf,
   positionFixedOrFlexible fixed,
   tfci_Existence FALSE
  }
 },
 modeSpecificInfo fdd :
 {
  defaultDPCH_OffsetValue tsc_DefaultDPCH_OffsetValue,
  dpch_CompressedModeInfo OMIT,
  tx_DiversityMode noDiversity,
  ssdt_Information OMIT
 },
 mac_hsResetIndicator true_value
}
```

4.3.6 ts_HO_SS_DL_DPCH_Cfg_HS

TTCN object	ts_HO_SS_DL_DPCH_Cfg_HS
Reference ATS	*HSDPA_r5_wk19.mp*
Change Label	*AEROFLEX#HSDPA 0102*
Reason for change	The DL-DPCH should be created with Secondary Scrambling Code as per RAB Setup Message in 34.108
Summary of change	Row # 1 changed from ca_DL_DPCH_SetupInfo_r5 (p_CellId, tsc_DL_DPCH1, cb_DL_DPCH_PS_Offset_r5 (c_DL_CommonInformationDCH_DPCH_Offset_r5 (tsc_DL_DPCH1_SFP_SRB_3_4k), OMIT, tsc_Sfc256_C0)) to ca_DL_DPCH_SetupInfo_r5 (p_CellId, tsc_DL_DPCH1, cb_DL_DPCH_PS_Offset_r5 (c_DL_CommonInformationDCH_DPCH_Offset_r5 (tsc_DL_DPCH1_SFP_SRB_3_4k), tcv_TmpCellInfo.dl_DPCH_2ndScrCode, tsc_Sfc256_C0))
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before:

Test Step Id:	ts_HO_SS_DL_DPCH_Cfg_HS (p_CellId : INTEGER)
Test Step Group Ref:	HSDPA_SS_Steps/
Objective:	To configure SS DL DPCH associated with HS_PDSCH with timing initialized (Hard Handover cases).
Defaults:	SS_Def
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict
1		CPHY ! CPHY_RL_Setup_REQ	ca_DL_DPCH_SetupInfo_r5 (p_CellId, tsc_DL_DPCH1, cb_DL_DPCH_PS_Offset_r5 (c_DL_CommonInformationDCH_DPCH_Offset_r5 (tsc_DL_DPCH1_SFP_SRB_3_4k), OMIT, tsc_Sfc256_C0))	
2		CPHY ? CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId, tsc_DL_DPCH1)	
3		CPHY ! CPHY_TrCH_Config_REQ	ca_DCH_148_DL_ActNow (p_CellId, tsc_DL_DPCH1)	
4		CPHY ? CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId, tsc_DL_DPCH1)	
5		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoDL_34_StandAlone, c_TrLogMappingDL_4DCCH)	
6		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_DL_DPCH1)	

After:

Nr	Label	Behaviour Description	Constraint Ref
1		CPHY ! CPHY_RL_Setup_REQ	ca_DL_DPCH_SetupInfo_r5 (p_CellId, tsc_DL_DPCH1, cb_DL_DPCH_PS_Offset_r5 (c_DL_CommonInformationDCH_DPCH_Offset_r5 (tsc_DL_DPCH1_SFP_SRB_3_4k), tcv_TmpCellInfo.dl_DPCH_2ndScrCode tsc_Sfc256_C0))
2		CPHY ? CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId, tsc_DL_DPCH1)
3		CPHY ! CPHY_TrCH_Config_REQ	ca_DCH_148_DL_ActNow (p_CellId, tsc_DL_DPCH1)
4		CPHY ? CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId, tsc_DL_DPCH1)
5		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoDL_34_StandAlone, c_TrLogMappingDL_4DCCH)
6		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_DL_DPCH1)

4.6 Changes referred to from previous CRs

This CR also refer to changes AEROFLEX#HSDPA 0101, AEROFLEX#HSDPA 0102 and AEROFLEX#HSDPA 0103 from CR R5s050179.

145 5 Branches executed in test case 8.2.1.30

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

146 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 R5s050185.zip [1]

147 7 References

[1]	R5s050185.zip Attachment containing the Successful log and the TTCN MP file for *tc_8_2_1_30*.