Source: T1

Title: TTCN CRs cat. B to TS 34.123-3 v.3.5.1, v.3.5.2, v.3.6.0 and v.3.6.1

for approval

Agenda item: 5.1.3

Document for: Approval

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

Doc-2nd-	Spec	CR	R	Phas	Subject	Cat	Version-	Version-
Level			e	e			Current	New
			V		Addition of GCF P3 test case 16.1.1 to			
T1s040264	34.123-3	360	_	R99	SMS ATS V3.5.1	В	3.5.1	3.7.0
115040204	34.123-3	300	+-	Naa	Addition of GCF P3 test case 16.1.9.1	Ь	3.3.1	3.7.0
T1s040307	34.123-3	361	_	R99	to SMS ATS V3.5.1	В	3.5.1	3.7.0
	0111200	-			Addition of GCF P3 test case 16.1.9.2			1
T1s040309	34.123-3	362	-	R99	to SMS ATS V3.5.1	В	3.6.1	3.7.0
					Addition of GCF P3 test case 16.1.10			
T1s040311	34.123-3	363	-	R99	to SMS ATS V3.5.1	В	3.6.1	3.7.0
					Addition of GCF P3 test case 16.2.1 to			
T1s040313	34.123-3	364	-	R99	SMS ATS V3.6.1	В	3.5.1	3.7.0
					Addition of GCF P3 test case 16.2.2 to			
T1s040315	34.123-3	365	-	R99	SMS ATS V3.5.1	В	3.6.1	3.7.0
					Addition of GCF P3 test case 16.2.10			
T1s040317	34.123-3	366	-	R99	to SMS ATS V3.5.1	В	3.6.0	3.7.0
					Addition of P2 NAS test case 9.4.2.4			
					proc 2 to NAS ATS V3.5.1 (revision of	_		
T1s040329	34.123-3	367	<u> </u>	R99	T1-040109)	В	3.6.0	3.7.0
				D 0 0	Addition of NAS test case 12.4.2.5a.2			
T1s040337	34.123-3	368	-	R99	to NAS ATS V3.5.1	В	3.5.1	3.7.0
T4 - 0.40000		000		Doo	Revised CR for addition of GCF P3 test	_	0.5.4	0.7.0
T1s040339	34.123-3	369	-	R99	case 8.2.4.1a to RRC ATS V3.5.1	В	3.5.1	3.7.0
					Revised CR for Addition of P2 test case			
T1-04024E	24 422 2	270		R99	6.2.1.1 to IR_U ATS v3.5.1 (Revision of T1s040325)	В	264	270
T1s040345	34.123-3	370	+-	K99	Revised CR for Addition of P2 test case	D	3.6.1	3.7.0
					6.2.1.6 to IR_U ATS v3.5.1 (Revision of			
T1s040346	34.123-3	371	١_	R99	T1s040327)	В	3.5.1	3.7.0
113040340	3 4 .123-3	57 1		1100	Addition of RRC test case 8.4.1.40 to		0.0.1	3.7.0
T1s040352	34.123-3	372	_	R99	RRC ATS V3.5.1	В	3.5.1	3.7.0
. 100 10002	31.1200	0.2	1		Addition of RRC Package 3 test case		3.3.1	55
T1s040358	34.123-3	373	-	R99	8.4.1.33 to IR_U ATS V3.5.1	В	3.5.1	3.7.0
					Revised CR for addition of GCF P3 test			
T1s040360	34.123-3	374	-	R99	case 16.1.2 to SMS ATS V3.5.1	В	3.6.1	3.7.0
T1s040361	34.123-3	375	-	R99	Revised CR for the addition of GCF P3	В	3.6.1	3.7.0

					test case 8.4.1.35 to IR_U ATS V3.5.1			
					CR for the addition of GCF P3 test			
T1s040364	34.123-3	376	-	R99	case 8.4.1.36 to IR_U ATS V3.6.1	В	3.6.1	3.7.0
					Addition of GCF P3 test case 8.3.2.12			
T1s040385	34.123-3	377	-	R99	to RRC ATS V3.6.1	В	3.6.1	3.7.0
					Addition of RAB Package 3 test case			
T1s040387	34.123-3	378	-	R99	14.2.57 to RAB ATS V3.6.1	В	3.6.1	3.7.0
					Addition of GCF P3 test case 14.2.58			
T1s040395	34.123-3	379	-	R99	to RAB ATS V3.6.1	В	3.6.1	3.7.0
					Addition of GCF P1 test cases 8.1.7.1			
T1s040398	34.123-3	380	-	R99	to RRC ATS v3.6.1	В	3.6.1	3.7.0
					Addition of GCF P1 test case 8.1.7.2 to			
T1s040400	34.123-3	381	-	R99	RRC ATS v3.6.1	В	3.5.1	3.7.0
					Addition of RAB Package 2 test case			
T1s040430	34.123-3	382	-	R99	14.4.2.1 to RAB ATS V3.6.1	В	3.5.1	3.7.0
					Addition of RAB Package 3 test case			
T1s040432	34.123-3	383	-	R99	14.2.38a to RAB ATS V3.6.1	В	3.5.1	3.7.0
					Addition of RAB Package 3 test case			
T1s040433	34.123-3	384	-	R99	14.2.38e to RAB ATS V3.6.1	В	3.5.1	3.7.0
					Addition of RAB Package 2 test case			
T1s040462	34.123-3	385	-	R99	14.4.2.2 to RAB ATS V3.6.1	В	3.5.1	3.7.0
					Addition of RAB Package 2 test case	_		
T1s040464	34.123-3	386	-	R99	14.4.2.3 to RAB ATS V3.6.1	В	3.6.1	3.7.0
					Addition of RAB test case 14.2.51.1 to	_		
T1s040466	34.123-3	387	-	R99	RAB ATS V3.6.0	В	3.6.0	3.7.0
					Addition of RAB test case 14.2.51a.1 to	_		
T1s040468	34.123-3	388	-	R99	RAB ATS V3.6.0	В	3.6.0	3.7.0
T				500	Addition of P3 test case 8.4.1.27 to	_		
T1s040470	34.123-3	389	-	R99	RRC ATS V3.6.1	В	3.6.1	3.7.0
T4 - 0.40.400		000		Doo	Revision CR to introduce GCF P3 Test		0.5.4	0.7.0
T1s040482	34.123-3	390	-	R99	Case 8.4.1.24 to ATS v3.6.0	В	3.5.1	3.7.0
T4 - 0.40.400		004		Doo	Revision CR to introduce GCF P3 Test		0.5.4	0.7.0
T1s040483	34.123-3	391	-	R99	Case 8.4.1.25 to ATS v3.6.0	В	3.5.1	3.7.0
T4-040540	04.400.5	200		DOO	Addition of NAS test case 9.4.7 to NAS	_	0.04	0.7.0
T1s040513	34.123-3	392	-	R99	ATS V3.6.0	В	3.6.1	3.7.0
T1-040470	04.400.0	202		DOO	Addition of GCF P3 test case 8.4.1.34		204	270
T1s040479	34.123-3	393	-	R99	to IR_U ATS v3.6.1	В	3.6.1	3.7.0

CHANGE REQUEST					
[♯] TS 34	.123-3 CR 360	Current version: 3.5.1			
For <u>HELP</u> on usir	ng this form, see bottom of this page or look at the	e pop-up text over the			
Proposed change aff	fects: UICC apps器 ME Radio A	ccess Network Core Network			
Title:	ddition of GCF P3 test case 16.1.1 to SMS ATS	V3.5.1			
Source: # R	ohde & Schwarz				
Work item code:	l/A	Date:			
D	Ise 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) etailed explanations of the above categories can e found in 3GPP TR 21.900.	Release: # R99 Use one of the following releases: 2 (GSM Phase 2) e) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)			
Reason for change:	# To add verified GCF package 3 SMS test cas V3.5.1	e 16.1.1 to the approved SMS ATS			
Summary of change: # This document lists all changes applied to test case 16.1.1 required for approve See detailed change description for further information.					
Consequences if not approved:	# Test case will not be added to ATS				
Clauses affected:	₩ N/A				
Other specs affected:	Y N X Other core specifications				
Other comments:	x				

How to create CRs using this form:

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- 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

3GPP TSG-T1 E-Mail 2004

T1s040264

Jan - 31 Dec 2004

Title: Changes to test case 16.1.1 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 16.1.1 which is part of the SMS 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

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3 Verification Test Summary

Test Case: TC_16_1_1

Test Group: SMS/CS Mode/

ATS Version: iWD-TVB2003-03_D04wk15 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 16.1.1

4.1 Introduction

This section describes the changes required to make test case 16.1.1 run correctly with a 3G UE. All modifications are marked with label "WA#SMS<number>" for SMS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was SMS_wk15.mp which is part of the iWD-TVB2003-03_D04wk15 release.

4.2 tc_16_1_1 (WA#SMS1031, WA#SMS1032, WA#SMS1033)

Test case name tc_16_1_1

Reason for change RRC Connection should be released by SS; there should be no local release

Summary of change RRC Connection always released by SS; no more local release. RRC

Connection release procedure applied.

Source of change New Change Label WA#SMS1031

Test case name tc_16_1_1

Reason for change CC signalling done on RB4 instead of RB3

Summary of change CC signalling done on RB3 now instead of RB4

Test case name tc_16_1_1

Reason for change ambiguous prose leaves the SS use one of 2 alternative ways

Summary of change ambiguous prose fixed to make the SS use one of 2 alternative ways (expect

all PDUs from UE and continue then only)

Source of change New Change Label WA#SMS1033

Note that corrections numbered SMS1031 and 1033 require a prose change which is under preparation.

t_Part2		
29	+1s_SMSCS_SetupMT_U10	Steps 49
30	+it_SMS_1_U10	Steps 51-58b
31	+It_ChkMsg(TRUE)	Steps 59-60
32	+ts_SMSCS_SetupMT_U10	Steps 61
33	+It_SMS_3_U10	Steps 63-74
34	+lt_ChkMsg(TRUE)	Steps 75-76
35	+ts_SMSCS_SetupMT_U10	Steps 77
36	+it_SMS_4(tsc_TWait15Sec)	Steps 79-87
37	+lt_ClearU10_SS	Step 87a-87c
38	+ts_RRC_ConnRel(Steps 88-89
	tsc_CellA,	WA#SMS1031
	cell_Dch)	
39	+lt_ChkMsg(TRUE)	Steps 90-91

H_C	learU1)_SS		
46		Dr. ! RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cs_Disc(tcv_TI_S))	VVA#SMS1032
47	TBP1	Dc ? RRC_Dataind	car_UplinkDirectTransfer ((P) tsc_CellDedicated, tsc_RB3, cr_Rel (tcv_Tl_R))	WAFSMS1032
48		Dc IRRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cs_RelCmpl (tcv_TI_S))	WARSMS1032

It_ClearU	J10_UE			
49	+ts_AT_TerminateCall			
50 TBP	De ? RRC_Dataind	tsc_CellDedicated, tsc_RB3, cr_Disc (tcv_TI_R))	(P)	Step 106 WA#SMS1032
51	DcIRRC_DataReq START t_Dly(tsc_TWait25Sec)	ca_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_DATA_01(tcv_TI_1_S, cs_CP_UserData01(tcv_TP_OrigAddr01, tcv_RP_OrigAddrMT, tcv_RP_MsgRef, tsc_Tzorne0)))		Step 107 CPDATA / RP_DATA / SMS_ DELIVER (n->ue)
52	Dc I RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cs_Rel (tcv_TI_S))		Step 108 WA#SMS1032
53	Dc ? RRC_Dataind	tsc_CellDedicated, tsc_Re3, cr_ReiCmpl (tcv_TL_R))		Step 109 WA#SMS1032

58	DolRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_ACK(tcv_Tl_1_S))	Step 113 CPACK (n->ue)
59	*ts_RRC_ConnRel(tsc_CellA, cell_Dch)		Step 114 WA#SMS1031
It_SMS	_1		
60	+H_SMS_2		Steps 7-11
61	DclRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_R84, cs_CP_ACK(tcv_Tl_1_S))	Step 12 CPACK (n->ue)
62	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)		Step 13 WA#SMS1031

IL_SM	48_3				
68		+It_SMS_2			Steps 21-25
69		START t_UpperBound(tcv_TTwiceTC1Mmax)			Step 26 (timer condition)
70	TBF5	7TIMEOUT t_UpperBound		(F)	First CPDATA / RP_ACK (us ->n) not acknowledged
71		Dc?RRC_DataInd CANCELt_UpperBound	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB4, cr_CP_DATA_02(tcv_TI_1_R, cr_CP_UserData02(tcv_RP_MsgRef)))		Step 27 CPDATA / RP_ACK (ue->n) retransmitted
72		DcIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_ACK(tcv_Tl_1_S))		Step 28 CPACK (n->ue) 2nd CPDATA / RP_ACK (ue ->n) is acknowledged
73		+ts_RRC_ConnRel(tsc_CellA, cell_Dch)			Step 29 WA#SMS1031

ILS	MS_6				
84		Ds I RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cs_Disc(tcv_Tl_S))		Step 94 WA#SMS1032
85		Dc!RRC_DataReq (tcv_CP_Data := RRC_DataReq.msg, tcv_SM_Contents := tcv_CP_Data.cP_UserData.rP_DATA.rP_Use rData_htp_DELIVER.tP_UserData) START t_Dly(tsc_TWait25Sec)	ca_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_DATA_01(tcv_TL_1_S, cs_CP_UserData01(tcv_TP_OrigAddr01, tcv_RP_OrigAddrMT, tcv_RP_MsgRef, tsc_Tzone0)))		Step 95 CPDATA/RP_DATA/SMS_ DELIVER (n->ue)
86	TBP4	Dc ? RRC_Dataind	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_Rel (tcv_Tl_R))	(P)	Step 96a WA#SMS1032 WA#SMS1033

88	Dc IRRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cs_RelCmpl (tcv_TLS))		Step 97b WA#SMS1032
89	Dc?RRC_DataInd CANCEL t_Dly	car_UplinkDirecfTransfer(tsc_CellDedicated, tsc_RB4, cr_CP_DATA_02(tcv_Tl_1_R, cr_CP_UserData02(tcv_RP_MsgRef)))		Step 99 CPDATA / RP_ACK (ue->n)
90	DcIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_ACK(tcv_Tl_1_S))		Step 100 CPACK (n->ue)
91	+ts_RRC_ConnRel(tsc_CellA, cell_Och)			Step 101 WA#SMS1031
92 TB			(F)	
	dsg(p_Emptying : BOOLEAN)	'		
93	+ts_MMI_ChkMsgIndicated			
94	+lt_EmptyStorage(p_EmptyIng)			
It_SMS	1_U10			
95	+it_SMS_2			Steps 51-55
96	DdRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_ACK(tcv_TL_1_S))		Step 56 CPACK (n->ue)
97	+it_ClearU10_SS			Step 57-58a
98	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)			Step 58b WA#SMB1031

It_SMS_3	_U10			
99	+M_SMS_2			Steps 63-67
100	START t_UpperBound@cv_TTwiceTC1Mmax)			Step 68 (timer condition)
101 TBF1	1 ?TIMEOUT t_UpperBound		(F)	First CPDATA(RP_ACK) no 1 acknowledged
102	Dt?RRC_Dataind CANCELt_UpperBound	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB4, cr_CP_DATA_02(tcv_Tl_1_R, cr_CP_UserData02(tcv_RP_MsgRef)))		Step 69 CPDATA / RP_ACK (ue->n) retransmitted
103	DcIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_ACK(tcv_Tl_1_S))		Step 70 CPACK (n->ue)
104	+It_ClearU10_SS			Step 71-73
105	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)			Step 74 WWWSMS1031

4.3 cs_TP_OrigAddr01 (WA#SMS1035)

Constraint name cs_TP_OrigAddr01

The length indication does not identify the length of the remainder of the IE in octets, but it provides a count of the useful semioctets. Reason for change

Summary of change Length corrected to 2 * LENGTH_OF (...)

Source of change **New Change** Label WA#SMS1035

	Structured Type Constraint Declaration					
Constraint Name:	cs_TP_OrigAddr01(p_TPOA: BCDN)					
Group:						
Type Name:	TP_Addr					
Derivation Path:						
Encoding Variation:						
Comments:						

Element Name	Element Value	Type Encoding	Comments
iel	o_IntToOct(2 * LENGTH_OF(p_TPOA), 1)		Integer representation of useful semi-octets; as BC DN is declared as OCTE TSTRING the number mu st be even! WA#SMS1035
typeOfNumPlan	cs_TypeOfNumPlan03		ton: international, npi: ISD N/tel. E.164
digits	p_TPOA		

Detailed Comment:

4.4 ts_AT_CPMS (WA#SMS1043)

ts_AT_CPMS **Constraint name**

The SM should be configured rather than ME because memory cleaning otherwise does not delete the short messages stored in SM. Reason for change

Summary of change 2 x use SM instead of ME

It_AT_Init		·
109	+ts_AT_CSMS	Set SMS mode
110	+ts_AT_ <mark>CPMS</mark> ("""SM""", """SM""", """MT"")	Set Preferrred memor y to "SM", "SM", "MT" @sic EW ER 1527 sic @ WA#SMS1043
111	+ts_AT_CMGF	Set Text Mode
112	+ts_AT_CSCS("""GSM""")	Set Character Set "GS M"
113	+ts_AT_CMGD_AII	Delete message stor ages

5 Branches executed in test case 16.1.1

The test case implementation executed with CS and PS activated, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- Execution log files 16_1_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 16_1_1-pics-pixit-Nokia.html
 Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040265

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST							
[₩] TS 34	.123-3 CR ³⁶¹ #rev - #	Current version: 3.5.1 **					
For <u>HELP</u> on usin	ng 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: 第 A	ddition of GCF P3 test case 16.1.9.1 to SMS ATS	S V3.5.1					
Source: # R	ohde & Schwarz						
Work item code:	/A	Date: 第 19/05/2004					
Reason for change:	se 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) etailed explanations of the above categories can e found in 3GPP TR 21.900. # To add verified GCF package 3 SMS test case V3.5.1 # This document lists all changes applied to test	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) e 16.1.9.1 to the approved SMS ATS					
ounmary or on anger	approval. See detailed change description for further info	·					
Consequences if not approved:	光 Test case will not be added to ATS						
Clauses affected:	₩ N/A						
Other specs affected:							
Other comments:	₩						

How to create CRs using this form:

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3)	With "track changes" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

3GPP TSG-T1 E-Mail 2004

T1s040307

Jan - 31 Dec 2004

Title: Changes to test case 16.1.9.1 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 16.1.9.1 which is part of the SMS 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

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3 Verification Test Summary

Test Case: TC_16_1_9_1
Test Group: SMS/CS Mode/

ATS Version: iWD-TVB2003-03_D04wk15 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 16.1.9.1

4.1 Introduction

This section describes the changes required to make test case 16.1.9.1 run correctly with a 3G UE. All modifications are marked with label "WA#SMS<number>" for SMS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was SMS_wk15.mp which is part of the iWD-TVB2003-03_D04wk15 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 16.1.9.1:

WA#SMS1037, WA#SMS1091

4.2 tc_16_1_9_1 (WA#SMS1043)

Test case name tc_16_1_9_1

Reason for change SM not ME to be used as memory, because the UE always writes SM. If ME is

used, thus the incorrect memory is deleted with CMGD.

Summary of change SM not ME to be used as memory in the CPMS AT Command

t_AT_Ini	it	
17	+ts_AT_CSMS	Set SMS mode
48	+ts_AT_CPMS(—SM—,	Set Preferred memory to "SM", "SM", "MT" @sit EW ER 1527 sit@
	-SM-,	WAFSMS1043
	MT)	

4.3 tc_16_1_9_1 (WA#SMS1062)

Test case name tc_16_1_9_1

Reason for change SMS service type should be set explicitly by the test case

Summary of change SMS service type set explicitly by the test case (AT+CGSMS=1)

Source of change New Change Label WA#SMS1062

50	+ts_AT_CSCS(TGSMT)	Set Character Set "GSM"
51	+ts_AT_CGSMS_CS	Set MO SMS mode to Circuit Switched WA#SM \$1062
52	+1s_AT_CMGD_All	Delete message storages

4.4 ts_AT_CGSMS_CS (WA#SMS1064)

Test step name ts_AT_CGSMS_CS

Reason for change To set SMS CS service type set explicitly by the test case (AT+CGSMS=1)

Summary of change New test step to set SMS CS service type set explicitly

	Test Step						
Test Step Id:	Test Step Id: ts_AT_CGSMS_CS						
Test Step Gro	up Ref:	AT_Steps/					
Objective:		To set the UE to send MO SMS in 0	S mode				
Defaults:		UT_OtherwiseFall					
Comments: MO SMS in CS mode is selected by using the AT command '+CGSMS=1'							
		WAFSMS1064					
Nr Label		Behaviour Description	Constraint Ref	Verdict	Comments		
1	UH AT,	_CmdReq	ca_AT_CmdReq ("AT+CGSMS=1 <cr >")</cr 		1.		
2		T_CmdCnf(tcv_AT_Cmd := AT_Cm sultString)	ca_AT_CmdCnf				

4.5 tc_16_1_9_1 (WA#SMS1089)

Test case name tc_16_1_9_1

Reason for change Revision of It_Part1a_And2a

Summary of change Algorithm reworked/optimized

Source of change New Change Label WA#SMS1089

It_Pi	art1a_An	d2a			
19		Dc?RRC_DataInd START t_Dly(\$000)	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cd_CM_ServReqShortMsg (tcr_CS_KeySeq))	(P)	Step 13/19 CM Service Request/2nd short message/3rd short message @sit EW ER 1599 sit@ WWFSMS1089
20	TBP1	Dt?RRC_DataInd CANCEL1_Dly	car_UplinkDirecfTransfer(tsc_CellDedicated, tsc_RB4, cr_CP_ACK(tcv_Tl_R())	(P)	Step A14 / A20 CPACK (ue->n)
21		DcIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_CM_Sero*cp)		Step A15 / A21 CM Service Accept @sic EW ER 1599 sic@
22		?TIMEOUT t_Dly			
23		DcIRRC_DataReq	ca_DataReq(Step B15a / B21a
		START (_Dly(5000)	tsc_CellDedicated, tsc_RB3, c_CM_ServAcp)		CM Service Accept @sic EW ER 1599 sic@
24	TBP4	Dc?RRC_DataInd CANCELt_Dly	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB4, cr_CP_ACK(tcv_Tl_R3)	(P)	Step B15b / B21b CPACK (ue->n)
25	TBF1	?TIMEOUT (_Dly [pc_Rel99 = TRUE]		(F)	
26	TBP3	?TIMEOUT t_Dly [(pc_Rel4 = TRUE) OR (pc_Rel5 = TRUE)]		(P)	

4.6 ts_AT_CMMS (WA#SMS1088)

Test step name ts_AT_CMMS

Reason for change To prepare the sending of multiple SMS

Summary of change New test step to prepare the sending of multiple SMS

	Test Step							
Test Step Id:		ts_AT_CMMS						
Test Step Gro	up Ref:	AT_Steps/						
Objective:		To set the UE for continuity of the S	MS relay protocol link					
Defaults:		UT_OtherwiseFail						
Comments:	Comments: Continuity of the SMS relay protocol link is selected by using the AT command '+CMMS=1' WA#SMS1088							
Nr Label		Behaviour Description	Constraint Ref	Verdict	Comments			
1 Ut! AT_CmdReq		_CmdReq	ca_AT_CmdReq ("AT+CMMS=1 <cr>")</cr>		1.			
2		T_CmdCnf(tcv_AT_Cmd := AT_Cm isultString)	ca_AT_CmdCnf					

4.7 ts_AT_InitSMS_ThreeMsgs (WA#SMS1088)

Test step name ts_AT_InitSMS_ThreeMsgs

Reason for change To use AT+CMMS to prepare the sending of multiple SMS

Summary of change Added AT+CMMS to prepare the sending of multiple SMS

Test Step									
Test Step ld:		ts_AT_initSMS_ThreeMsgs	s_AT_initSMS_ThreeMsgs						
Test Step Group Ref: AT_Steps/		AT_Steps/							
Objective: To attempt sending three MO short			messages at the UE under test.						
Defaults:		NAS_OtherwiseFail							
Comments:		To attempt sending three MO short messages at the UE under test. @sic EW ER 1530 sic@ wwssss 1088							
Nr Label		Behaviour Description	Constraint Ref	Verdict	Comments				
1	+ts_AT_CMMS				set continuity of SMS relay protocol link				
2 *ts_AT_CMSS(1)		[_CMSS(1)			send msg with index 1				
3 +ts_AT_CMSS(2)		T_CMSS(2)			send msg with index 2				
4	+15_/	AT_CMSS(3)			send msg with index 3				

5 Branches executed in test case 16.1.9.1

The test case implementation executed with CS and PS activated, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- Execution log files 16_1_9_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 16_1_9_1-pics-pixit-Nokia.html
 Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040308

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

		(CHANG	E REC	UEST	•		CR-Form-v7
*	TS 34.1	<mark>23-3</mark> CR	362	жrev	- #	Current vers	3.5.1	*
For <u>HELI</u>	P on using	this form, se	e bottom of	this page or	look at th	e pop-up text	tover the ₩ sy	mbols.
Proposed ch	ange affec	ets: UICC	apps#	ME	Radio A	ccess Netwo	rk Core N	letwork
Title:	₩ <mark>Add</mark>	ition of GCF	P3 test case	e 16.1.9.2 to	SMS AT	S V3.5.1		
Source:	₩ <mark>Roh</mark>	de & Schwa	rz					
Work item co	ode: Ж <mark>N/A</mark>					Date: ₩	19/05/2004	
Category:	Deta	one of the foll F (correction A (correspor B (addition o C (functional D (editorial n illed explanation bund in 3GPP) Ids to a correct f feature), modification ons of the abo	ction in an ea		2	R99 the following re (GSM Phase 2 (Release 1996 (Release 1997 (Release 1998 (Release 1999 (Release 4) (Release 5) (Release 6)))))
Reason for o	change: 第	To add verification V3.5.1	ied GCF pa	ckage 3 SM	S test cas	se 16.1.9.2 to	the approved	SMS ATS
Summary of	change: ૠ	approval.	ent lists all c).2 required for	ī
Consequence not approved		Test case w	vill not be ad	ded to ATS				
Clauses affe	cted: 第	N/A						
Other specs affected:	*	X Test	er core speci specification Specification	ns				
Other comm	ents: #							

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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

3GPP TSG-T1 E-Mail 2004

T1s040309

Jan - 31 Dec 2004

Title: Changes to test case 16.1.9.2 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 16.1.9.2 which is part of the SMS 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.

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3 Verification Test Summary

 Test Case:
 TC_16_1_9_2

 Test Group:
 SMS/CS_Mode/

ATS Version: iWD-TVB2003-03_D04wk15 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 16.1.9.2

4.1 Introduction

This section describes the changes required to make test case 16.1.9.2 run correctly with a 3G UE. All modifications are marked with label "WA#SMS<number>" for SMS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was SMS_wk15.mp which is part of the iWD-TVB2003-03_D04wk15 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 16.1.9.2:

WA#SMS1037

4.2 tc_16_1_9_2 (WA#SMS1043)

Test case name tc_16_1_9_2

Reason for change SM not ME to be used as memory, because the UE always writes SM. If ME is

used, thus the incorrect memory is deleted with CMGD.

Summary of change SM not ME to be used as memory in the CPMS AT Command

t_AT_In	f.	
47	+ts_AT_CSMS	Set SMS mode
48	+ts_AT_CPMS(—SM—,	Set Preferred memory to "SM", "SM", "MT" @sit EW ER 1527 sit @
	-SM-	WAFSMS1043
	MT)	

4.3 tc_16_1_9_2 (WA#SMS1062)

Test case name tc_16_1_9_2

Reason for change SMS service type should be set explicitly by the test case

Summary of change SMS service type set explicitly by the test case (AT+CGSMS=1)

Source of change New Change Label WA#SMS1062

50	*ts_AT_CSCS(TGSMT)	Set Character Set "GSM"
51	+ts_AT_COSMS_CS	Set MO SMS made to Circuit Switched WAFSM \$1062
52	+1s_AT_CMGD_AII	Delete message storages

4.4 ts_AT_CGSMS_CS (WA#SMS1064)

Test step name ts_AT_CGSMS_CS

Reason for change To set SMS CS service type set explicitly by the test case (AT+CGSMS=1)

Summary of change New test step to set SMS CS service type set explicitly

	Test Step						
Test Step ld: ts_AT_CGSMS_CS							
Test Step Group Re	ef: AT_Steps/						
Objective:	To set the UE to send MO SMS in (S mode					
Defaults:	UT_OtherwiseFall						
Comments:	Comments: MO SMS in CS mode is selected by using the AT command '+CGSMS=1' WA#SMS1064						
Nr Label	Behaviour Description	Constraint Ref	Verdict	Comments			
1 UtlAT_CmdReq		ca_AT_CmdReq ("AT+CGSMS=1 <cr >")</cr 		1.			
	AT_CmdCnf(tcv_AT_Cmd := AT_Cm (resultString)	ca_AT_CmdCnf					

4.5 tc_16_1_9_2 (WA#SMS1090)

Test case name tc_16_1_9_2

Reason for change Revision of It_Part1a_And2a

Summary of change Algorithm reworked/optimized

Source of change New Change
Label WA#SMS1089

t_Part1a,	_And2a				
23		Dc?RRC_DataInd START (_Dly(5000)	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cd_CM_ServReqShortMsg (tcr_CS_KeySeq))		Step 10 / 16 CM Service Request / 2n d short message / 3rd sh ort message @sic EW ER 1599 sic@ VXA#SMS1090
24	T8P1	Dc?RRC_Dataind CANCEL t_Dly	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB4, cr_CP_ACK(tcv_TI_R())	(P)	Step A11 / A17 CPACK (ue->n)
25		DrIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_CM_ServAcp)		Step A12 / A18 CM Service Accept @sic EW ER 1599 sic@
26		?TIMEOUT t_Diy			
27		Dt/RRC_DataReq START (_Dly(5000)	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_CM_ServAcp)		Step B11 / B17 CM Service Accept @sic EW ER 1599 sic@
28	TBP2	Dc?RRC_Dataind CANCEL t_Dly	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB4, cr_CP_ACK(tcv_TI_R))	(P)	Step B12 / B18 CPACK (ue->n)
29	TBF1	?TIMEOUT t_Dly [pc_Rel99 = TRU E]		(F)	
30	TBP3	?TIMEOUT t_Dly [(pc_Rel4 = TRU E) OR (pc_Rel5 = TRUE)]		(P)	

4.6 ts_AT_CMMS (WA#SMS1088)

Test step name ts_AT_CMMS

Reason for change To prepare the sending of multiple SMS

Summary of change New test step to prepare the sending of multiple SMS

	Test Step							
Test Step ld: ts_AT_CMMS		ts_AT_CMMS						
Test Step Group Ref: AT_Steps/		AT_Steps/						
Objective: To set the UE for continuity of the SI			MS relay protocol link					
Defaults: UT_OtherwiseFail								
Comments: Continuity of the SMS relay protocol link is selected by using the AT command '+CMMS=1' WA#SMS1088					#S=1'			
Nr Label		Behaviour Description	Constraint Ref	Verdict	Comments			
1 Ut! AT_CmdReq		_CmdReq	ca_AT_CmdReq ("AT+CMMS=1 <cr>")</cr>		1.			
2	Ut 7 AT_CmdCnf(tcv_AT_Cmd := AT_Cm dCnf.resultString)		ca_AT_CmdCnf					

4.7 ts_AT_InitSMS_ThreeMsgs (WA#SMS1088)

Test step name ts_AT_InitSMS_ThreeMsgs

Reason for change To use AT+CMMS to prepare the sending of multiple SMS

Summary of change Added AT+CMMS to prepare the sending of multiple SMS

Source of change New Change Label WA#SMS1088

Test Step							
Test Step ld: ts		ts_AT_initSMS_ThreeMsgs					
Test Step Group Ref: AT_Steps/							
Objective: To attempt sending three MO sho			messages at the UE under test.				
Defaults:	Defaults: NAS_OtherwiseFail						
Comments:		To attempt sending three MO short @sic EW ER 1530 sic@ ₩₩#SME1088	messages at the UE under test.				
Nr Label		Behaviour Description	Constraint Ref	Verdict	Comments		
1	+ts_AT_CMMS				set continuity of SMS relay protocol link		
2 *ts_AT_CMSS(1)		_CMSS(1)			send msg with index 1		
3 +ts_AT_CMSS(2)		T_CMSS(2)			send msg with index 2		
4	+ts_/	T_CMSS(3)			send msg with index 3		

4.8 tc_16_1_9_2 (WA#SMS1050)

Test case name tc_16_1_9_2

Summary of change ASP changed from InitialDirectTransfer to UplinkDirectTransfer

Dc?RRC_DataInd car_UplinkDirectTransfer(Step 3 CM Service Step 3 CM Service Step 3 CM Service Step 2 Ste_CellDedicated, Step EM EM

4.9 ts_SMSCS_SetupMT_U10 (WA#SMS1041)

Test step name ts_SMSCS_SetupMT_U10

Reason for change cellConfigType being used by the CC step to bring UE into U10 not initialized

Summary of change cellConfigType setting added (cell_DCH_StandAloneSRB_NoConn)

Source of change New Change Label WA#SMS1050

		Test	Step					
Test Step ld:	ts_SMSCS_5	ts_SMSCS_SetupMT_U10						
Test Step Group	Ret SMS_Steps/							
Objective: To bring the UE into state U10.								
Defaults: NAS_OtherwiseFall								
Comments: To bring the UE into state U10 to set up a mobile terminated SMS connection								
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments			
1		(tov_CellinfoA.cellConfig := cell_DC H_StandAloneSRB_NoConn)			1. VVA#SMS1041			
2		+ts_CC_EnterU10_MT_Def(tsc_Ce			2.			

5 Branches executed in test case 16.1.9.1

The test case implementation executed with CS and PS activated, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

Execution log files 16_1_9_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 16_1_9_2-pics-pixit-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040310

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST		
[₩] TS 34	4.123-3 CR 363 #rev - # C	Current version: 3.5.1
For <u>HELP</u> on usi	ing this form, see bottom of this page or look at the	pop-up text over the
Proposed change at	ffects: UICC apps第 ME Radio Acc	cess Network Core Network
Title: # #	Addition of GCF P3 test case 16.1.10 to SMS ATS \	/3.5.1
Source: # F	Rohde & Schwarz	
Work item code: ₩ 1	N/A	Date: ## 19/05/2004
	Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)
Reason for change:	# To add verified GCF package 3 SMS test case V3.5.1	16.1.10 to the approved SMS ATS
Summary of change	See detailed change description for further info	·
Consequences if not approved:	★ Test case will not be added to ATS	
Clauses affected:	₩ N/A	
Other specs affected:	Y N X Other core specifications Test specifications O&M Specifications	
Other comments:	x	

How to create CRs using this form:

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

- 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

3GPP TSG-T1 E-Mail 2004

T1s040311

Jan - 31 Dec 2004

Title: Changes to test case 16.1.10 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

thomas.moosburger@rsd.rohde-schwarz.com

Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 16.1.10 which is part of the SMS 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.

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4.5	cs_TP_OrigAddr_01 (WA#SMS1041)	4
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6	Execution Log Files	5
6.1	Nokia 3G UE 7600	5
7	References	5

Overview 1

3 Verification Test Summary

Test Case: TC_16_1_10

Test Group: SMS/CS_Mode/

ATS Version: iWD-TVB2003-03_D04wk15 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 16.1.10

4.1 Introduction

This section describes the changes required to make test case 16.1.10 run correctly with a 3G UE. All modifications are marked with label "WA#SMS<number>" for SMS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was SMS_wk15.mp which is part of the iWD-TVB2003-03_D04wk15 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 16.1.10:

WA#SMS1037, WA#SMS1088, WA#SMS1091

4.2 tc_16_1_10 (WA#SMS1043)

Test case name tc_16_1_10

Reason for change SM not ME to be used as memory, because the UE always writes SM. If ME is

used, thus the incorrect memory is deleted with CMGD.

Summary of change SM not ME to be used as memory in the CPMS AT Command

t_AT_Ini	it	
17	+ts_AT_CSMS	Set SMS mode
48	+ts_AT_CPMS(—SM—,	Set Preferred memory to "SM", "SM", "MT" @sit EW ER 1527 sit@
	-SM-,	WAFSMS1043
	MT)	

4.3 tc_16_1_10 (WA#SMS1062)

Test case name tc_16_1_10

Reason for change SMS service type should be set explicitly by the test case

Summary of change SMS service type set explicitly by the test case (AT+CGSMS=1)

Source of change New Change Label WA#SMS1062

50	*ts_AT_CSCS(TGSMT)	Set Character Set "GSM"
51	+ts_AT_CGSMS_CS	Set MO SMS mode to Circuit Switched WA#SM \$1062
52	+ts_AT_CMGD_All	Delete message storages

4.4 ts_AT_CGSMS_CS (WA#SMS1064)

Test step name ts_AT_CGSMS_CS

Reason for change To set SMS CS service type set explicitly by the test case (AT+CGSMS=1)

Summary of change New test step to set SMS CS service type set explicitly

Test Step				
Test Step Id:	ts_AT_CGSMS_CS			
Test Step Gro	up Ref: AT_Steps/			
Objective:	To set the UE to send MO St	MS in CS mode		
Defaults:	UT_OtherwiseFall			
Comments: MO SMS in CS mode is selected by using the AT command		cted by using the AT command '+CGSMS=1'		
	WA#SMS1064			
Nr Label	Behaviour Description	Constraint Ref	Verdict	Comments
1	Ut1AT_CmdReq	ca_AT_CmdReq ("AT+CGSMS=1 <cf >")</cf 	₹	1.
2	Ut ? AT_CmdCnf(tcv_AT_Cmd := A dCnf(resultString)	T_Cm ca_AT_CmdCnf		

4.5 cs_TP_OrigAddr_01 (WA#SMS1035)

Constraint name cs_TP_OrigAddr_01

Reason for change Incorrect length calculation

Summary of change Length means number of useful semi-octets

Structured Type Constraint Declaration		
Constraint Name:	cs_TP_OrigAddr01(p_TPOA: BCDN)	
Group:		
Type Name:	TP_Addr	
Derivation Path:		
Encoding Variation:		
Comments:		

Element Name	Element Value	Type Encoding	Comments
iel	o_intToOct(2*LENGTH_OF(p_TPOA), 1)		Integer representation of usef ul semi-octets; as BCDN is de calred as OCTETSTRING the number must be even! WA#SMS1035
typeOfNumPlan	cs_TypeOfNumPlan03		ton: international, npi: ISDN/tel . E.164
digits	p_TPOA		

5 Branches executed in test case 16.1.10

The test case implementation executed with CS and PS activated, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- Execution log files 16_1_10_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 16_1_10-pics-pixit-Nokia.html
 Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040312

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST		
[♯] TS 34	<mark>1.123-3</mark> CR ³⁶⁴	Current version: 3.6.1 [₩]
For <u>HELP</u> on usi	ing this form, see bottom of this page or look at the p	pop-up text over the 光 symbols.
Proposed change af	ffects: UICC apps業 ME Radio Acc	cess Network Core Network
Title: # A	Addition of GCF P3 test case 16.2.1 to SMS ATS V3	3.6.1
Source: # F	Rohde & Schwarz	
Work item code: ₩ N	V/A	Date: 第 29/06/2004
	B Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)
Reason for change:	# To add verified GCF package 3 SMS test case V3.6.1 V3.6.1	16.2.1 to the approved SMS ATS
Summary of change	E: # This document lists all changes applied to test of See detailed change description for further information.	
Consequences if not approved:	署 Test case will not be added to ATS	
Clauses affected:	₩ <mark>N/A</mark>	
Other specs affected:	Y N X Other core 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:

- 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

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

T1s040313

Title: Changes to test case 16.2.1 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 16.2.1 which is part of the SMS 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.

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3 Verification Test Summary

Test Case: TC_16_2_1

Test Group: SMS/CS_Mode/

ATS Version: iWD-TVB2003-03_D04wk26

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 16.2.1

4.1 Introduction

No SMS related changes were required in the TTCN of the enclosed ATS [1].

The ATS version used as basis was SMS_wk26.mp which is part of the iWD-TVB2003-03_D04wk26 release.

Note that there are prose changes needed to align the prose to the TTCN.

5 Branches executed in test case 16.2.1

The test case implementation executed with CS and PS activated, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach on and off respectively.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

Execution log files 16_2_1_AutoAttach_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 files. These log files show the test execution with the UE in "auto attach" mode.

Execution log files 16_2_1_ManualAttach_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 files. These log files show the test execution with the UE in "manual attach" mode.

PICS/PIXIT file 16_2_1_AutoAttach-pics-pixit-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing. This file shows the PICS/PIXIT parameters applied with the UE in "auto attach" mode.

PICS/PIXIT file 16_2_1_ManualAttach-pics-pixit-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing. This file shows the PICS/PIXIT parameters applied with the UE in "manual attach" mode

7 References

[1] T1s040314

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST				
[₩] TS 34	I.123-3 CR 365	Current version: 3.5.1		
For <u>HELP</u> on usi	ing this form, see bottom of this page or look at the	pop-up text over the 光 symbols.		
Proposed change at	ffects: UICC apps第 ME Radio Acc	cess Network Core Network		
Title: 第 /	Addition of GCF P3 test case 16.2.2 to SMS ATS V3	3.5.1		
Source: # F	Rohde & Schwarz			
Work item code: ₩ N	N/A	Date: 第 09/06/2004		
	B Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
Reason for change:	# To add verified GCF package 3 SMS test case V3.5.1.	16.2.2 to the approved SMS ATS		
Summary of change: This document lists all changes applied to test case 16.2.2 required for a See detailed change description for further information.				
Consequences if not approved:	光 Test case will not be added to ATS			
Clauses affected:	₩ N/A			
Other specs affected:	Y N X Other core specifications			
Other comments:	x			

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:

- 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

3GPP TSG-T1 E-Mail 2004

T1s040315

Jan - 31 Dec 2004

Title: Changes to test case 16.2.2 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 16.2.2 which is part of the SMS 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.

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3 Verification Test Summary

Test Case: TC_16_2_2

Test Group: SMS/CS_Mode/

ATS Version: iWD-TVB2003-03_D04wk15 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 16.2.2

4.1 Introduction

This section describes the changes required to make test case 16.2.2 run correctly with a 3G UE. All modifications are marked with label "WA#SMS<number>" for SMS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was SMS_wk15.mp which is part of the iWD-TVB2003-03_D04wk15 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 16.2.2:

WA#SMS1039, WA#SMS 1088

4.2 ts_AT_CPMS (WA#SMS1043)

Constraint name ts_AT_CPMS

Reason for change The SM should be configured rather than ME because memory cleaning

otherwise does not delete the short messages stored in SM.

Summary of change 2 x use SM instead of ME

Source of change New Change Label WA#SMS1043

H AT IN		
It_AT_In		
77	*ts_AT_CSMS	Set SMS mode
78	+ts_AT_CPMS(TSMT, TSMT)	Set Preferred memory to " SM", "SM", "MT" @sic EVV ER 1527 sic@ VVA#SMS1043
79	+ts_AT_CMGF	Set Text Mode
80	+ts_AT_CSCS(""GSM"")	Set Character Set "GSM"
81	+ts_AT_CMGD_AII	Delete message storages
82	+ts_AT_CSCA(Set service center address @sic EW ER 1521 sic@
83	+ts_AT_CMGW(Write message with index 1 to memory @sic EW ER 1521 sic@

4.3 tc_16_2_2 (WA#SMS1043)

Test case name tc_16_2_2

Reason for change SM not ME to be used as memory, because the UE always writes SM. If ME is

used, thus the incorrect memory is deleted with CMGD.

Summary of change SM not ME to be used as memory in the CPMS AT Command

Source of change New Change Label WA#SMS1043

_AT_Ini	it	
7	+ts_AT_CSMS	Set SMS mode
48	+ts_AT_CPMS(Set Preferred memory to "SM", "SM", "MT" @sic EW ER 1527 sic@
	-sm-	WAFSMS1043
	MT)	

4.4 tc_16_2_2 (WA#SMS1063)

Test case name tc_16_2_2

Reason for change SMS service type should be set explicitly by the test case

Summary of change SMS service type set explicitly by the test case (AT+CGSMS=0)

41	+ts_AT_CSCS(=GSM=)	Set Character Set "GSM"
42	+1s_AT_C0SMS_PS	Set MO SMS mode to Pac ket Domain VKA#SMS108
		3
43	+ts_AT_CMGD_AII	Delete message storage
		8

4.5 ts_AT_CGSMS_PS (WA#SMS1065)

Test step name ts_AT_CGSMS_PS

Reason for change To set SMS PS service type set explicitly by the test case (AT+CGSMS=0)

Source of change New Change
Label WA#SMS1065

	Test Step				
Test Step Id:	est Step Id: ts_AT_CGSMS_PS				
Test Step Group Ret	AT_Steps/				
Objective:	To set the UE to	send MO SMS in PS mode			
Defaults:	UT_OtherwiseF	all			
Comments: MO SMS in PS mode is selected by using the AT command "+CGSMS=0" WAJFSMS1065					
Nr Label Behaviour Description		Constraint Ref	Verdict	Comments	
1		Ut IAT_CmdReq	ca_AT_CmdReq("AT+CGS MS=0 <cr>")</cr>		1.
2		Ut ? AT_CmdCnf(tcv_AT_Cmd := A T_CmdCnf(resultString)	ca_AT_CmdCnf		

4.6 cs_TP_OrigAddr_01 (WA#SMS1035)

Constraint name cs_TP_OrigAddr_01

Reason for change Incorrect length calculation

Summary of change Length means number of useful semi-octets

	Structured Type Constraint Declaration			
Constraint Name:	cs_TP_OrigAddr01(p_TPOA: BCDN)			
Group:	rroup:			
Type Name:	TP_Addr			
Derivation Path:	erivation Path:			
Encoding Variation:	coding Variation:			
Comments:				

Element Name	Element Value	Type Encoding	Comments
iel	o_intToOct(2*LENGTH_OF(p_TPOA), 1)		Integer representation of usef ul semi-octets; as BCDN is de calred as OCTETSTRING the number must be even! VVA#SMS1035
typeOfNumPlan	cs_TypeOfNumPlan03		ton: international, npi: ISDN/tel . E.164
digits	p_TPOA		

4.7 ts_SMSPS_SetupMO_Part1/configType (WA#SMS1073)

Test step name ts_SMSPS_SetupMO_Part1

Reason for change config type not set as required by subsequent test step

Summary of change config type set as required by subsequent test step (tcv_CellInfoA.cellConfig

:= cell_DCH_StandAloneSRB_NoConn)

Source of change New Change Label WA#SMS1073

		Test	Step			
Test Step Id:	ts_SMSPS_Se	tupMO_PartI(p_Mode: INTEGER)				
Test Step Group Re	t SMS_Steps/					
Objective:	To set up a mo	bile originated SMS-PS connection till re	ceipt of Service Request			
Defaults:	NAS_Otherwis	eFail				
Comments:	MO SMS-PS connections are requested to be established via AT or MMI command. The mode indicates the type of SMS-PS activity to be performed. An MO RRC connection results.					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments	
1		(tov_CellinfoA.cellConfig := cell_DC H_StandAloneSRB_NoConn)			1. VW#SMS1073	
2	+ts_SMS_SetupMO_Mode(p_Mode) 1.					

4.8 ts_SMSPS_SetupMO_Part1/ASP Type (WA#SMS1040)

Test step name ts_SMSPS_SetupMO_Part1

Reason for change incorrect ASP type used for Service Request

Summary of change ASP type used for Service Request corrected to RRC_DataInd

Source of change New Change Label WA#SMS1040

4	Do ? RRC_Dataind	car_PS_initDirectTransfer(3. WA#SMS1040
		tsc_CellDedicated, tsc_RB3, cr_ServiceRequest(c_ServiceType_v(1001B), c_MobileIdPTMSI_lv (trv_AssignedPTMSI), trv_PS_KeySeq())	

4.9 tc_16_2_2 (WA#SMS1037)

Test case name tc_16_2_2

Reason for change Initialization potentially incomplete for PS

RLC_IncMode

4	(tcv_RP_OrigAddrMT:='1111 111111'0, tcv_TP_OrigAddr01:='3333333 333'0, tcv_RP_MsgRef:= '00'0)	
5	+ts_RRC_InitVariablesPS(c ell_DCH)	WA#SMS1037
6	(tcv_CN_Domain :=ps_do main)	@sic EW ER 1535 sic@

tcv_RRC_Est	CauMO	EstablishmentCause	To hold the establishment cause for M O call that is supported by UE. Assigne d in ts_RRC_init/ariables.
			WA#SMS1037

ASN.1 Type Definition					
Type Name:	RLC_IncMode				
Group:					
Encoding Variation:	Encoding Variation:				
Comments:	WARSMS1037				
Type Definition					
ENUMERATED (not	ENUMERATED (notine(0), ine(1))				

4.10 tc_16_2_2 (WA#SMS1030)

Test case name tc_16_2_2

Reason for change Incorrect ASP Type used

Summary of change Use PS ASPs instead of CS ASPs

IL_8M6_1					
22		Dc 9RRC_Detaind Qrv_CP_Detai > RRC_Detains.mog, trx_TI_1_s Sivial = trx_CP_Detais sivial, trx_RP_MogRet > trv_CP_DetaicP_UserD atairP_DATAirP_MogRets	car_PS_UptintCirectTransfer(toc_CollDedicates, toc_R94, tc_OP_DATA_03(tr_OP_UserDatat3)(tc_RP_DATA_02())		SWpts 10 / 49 CPDATA / RP_DATA / SMS_SUB IT (se > n) WARSM 51 033 WARSM 51 032
E_6MS_2					
41		DdfffffC_Dataffeq	cs_P5_DataPeq; tsc_CellDedicated, tsc_RB4, cs_CP_ACK(tsc_T1_LS)		Stags 117-50 CPACK (n-Hut) VIOA#CRES1000
42		DriPRC_DetaReq trx_TL1_R t/val = trv_TL1_S t/val) START (_Dey(bic_TWell25Sec)	oo_P8_DataPeq(bxCellDedicated, bx_RBA, oo_CP_DATA_01(bx_TL_1_8, oo_CP_UserDeta04(bx_RP_MogRet()		Steps 12/61 CPCATA/RP_ACK (b=set) VNA#SHIST 030
43	TBF1	2TIMEOUT 1_Div		(F)	
44		+to_RRC_ConvRet(txc_CellA, cell_Dot)			
45	TDP2	De9RRC_Dataind CANCEL (_Dty	car_PS_UplinkDirecTransfer(tisk_RB4, tr_OP_ACK(tiv_TI_1_R()	(P)	Steps 13752 CPACK 0x6-rro VARESMS1030

H_SMS_3/p_Time	-INTEGER)				
46		Dc1RRC_Dataind	cat_PS_UplinkDirectTransfer(fac_cellDedicated, 100_R84, c_cs_DATA_03(c_cs_DVarDetat33(c_RP_DATA_03())		Steps 27 / 58 CPDATA (RP_DATA / SMS_SUBN (F (96 - H) WARSMS1030 WARSMS1032
47		dov_CP_DataRete := 0)			
48		REPEAT ILEMS_6 UNTIL (IN_CP_DataRe			Steps 28-38 / 60-62
49		tr = px_MaxCP_DataRebij START t_LawerBoundday_TTC1Mmin + p			MC-SM is retransmitted
49		_Time()			
50	TBF2	De9RRC_Dataind	cat_PS_UplinkDirecfTransfer(toc_CelfDedicated, toc_R84, cr_CP_DATA_03(cr_CP_UserDels03(cr_RP_DATA_020)	(F)	CPDATA / RP_DATA / SMS_SUSS IT (sel-rel) shall NOT be sent more than pc_ MaxCP_DataRets times: WARDMS1030 WARDMS1030
61		+to_RRC_ConsRet(toc_CellA, cell_Ddo	USAF JOHINGULU		**************************************
52 53		7TMEOUT (_LowerEsund =ts_RRO_ConsRel(tst_CellA,			Steps: 21-32 / 63-64
		cell_Doh)			
H_SMS_4					
54		Dc1RRC_Dataind (bcy_CP_Data = RRC_Dataind mag, bcy_TL_1_8 Mval = bcy_CP_Data 8 Mval, bcy_RP_MsgRef = bcy_CP_Data.cP_UserD atairP_DATA.rP_MsgRef)	cr_CP_UserData03(cr_RP_DATA_02())		Step 41 CPDATA (RP_DATA (SMS_SUBM IT (serve) WARSM \$1030 WARSM \$1092
55		Dolfting_DataReq	ca_PS_DataReq(toc_CelDedicated, toc_R84, ca_CP_ERROR(tor_TL_1_S))		Step 43 CPERROR (n->ue) "Notwork Fail ure" WARSMS1030
					_
H_SMS_5 56		Dc1RRC_Dataind(tcs_CP_Data = RRC_Dataind.mag, tcs_RP_MagRef = tcs_CP_Datait.994i, tcs_RP_MagRef = tcs_CP_DataicP_UsetD atairP_DATAirP_MagRef)	car_PS_UplinkDirecfTransfer(fbc_CellDethcated, fbc_R84, rc_CP_DATA_03(rc_CP_UserDete03(rc_RP_DATA_020)		Step 75 OPDATAJ RP_DATAJ SMS_SUBM IT 0.0~20 VARSMS1000 VARSMS1092
67		+11_111	10_10*_DA110_0200		
58		DiffRC_DataPeop; tor_CP_Data = RRC_DataPeop mag, tor_SM_Contents = tor_CP_Data dP_Data Data dP_DATA dP_UserData_MdP_DELMER IP_JuserData) START L_Dty(tor_TV/ad/25Get)			SNISS TO-TY CPDATA/SMS_DELIV ER (n-rus) VALUESMS1030
59	TBF3	TIMEOUT (_Dip		(F)	
60		+ts_RRC_ConnPoil(tic_CellA, cell_Dch)			
61	TBP3	Dc?RRC_Dataind START (_Dty(to:_TVArE0Set)	car_PS_UplinkDirecfTransfet(tic_CetDeticated, toc_RB4, tr_CP_ACK(tv_TLR0)	(P)	Step 79 CPACIC (UH-YO) VANESHS1030
62	TBF 4	7TIMEOUT (_Dly		(7)	
63		=ts_RRO_ConnRel(tso_ColiA, cell_Dot)			
64	TBP4	Dc?RRC_Datalind CANCEL1_Dty	car_PS_UplinkDirecfTransfer(tac_CelDeficated, tac_CelDeficated, tac_CP_DATA_03); tac_TL_R, ta_CP_UserData02(tac_TL_R, tac_CP_UserData02);	(P)	Step 79 oc OPDATALISP_ACK (ser-rs) VALUESMS1(SO
65		DuRRC_DataReq	to_PS_DataReq(to_CellDedicated, to_RBA, to_PACK(to_TI_S)		CPMCK (In-Hate) VICA#SNES1000
E_5MS_6					
66		START (_UpperBound(tov_TTwiceTC1Mme			
67	TBFS	7TIMEOUT (_UpperBound		(F)	
68	1012	+ts_RRC_ConnRel(tsc_CellA,		97	
69		pel_Dch) Dc*RRC_Dataind CANCEL t_UpperBound	car_PS_UplinkDirectTransfer(far_OellDedicated, far_PB4, cr_CP_DATA_03(cr_FP_DATA_03() cr_FP_DATA_03()		CPDATA/RP_DATA/SMS_SUB IT (un=n) WARSMS1830 WARSMS1862
		Av. CE PoleBate - Ive CE PoleBate - I	CULTIF DAVA DESI		
70		dcs_OP_DataRets = toy_OP_DataRets = 1			

4.11 ts_SM_ActCtxtMO (WA#SMS1061)

Test step name ts_SM_ActCtxtMO

Reason for change incorrect establishment cause used

Summary of change establishment cause 'registration' used

Source of change New Change Label WA#SMS1061

It_PDP_CtxtEst		
6	+ts_AT_OrgPS_Call (tsc_CellA)	Originate a PDP Contex t Request using AT com mands
7	+ ts_RRC_ConnEst (tsc_CellA, est_Reg, ?)	Establish RRC Connection WA#SMS1061

4.12 ts_GMM_PS_Registration (WA#SMS1067)

Test step name ts_GMM_PS_Registration

Reason for change incorrect constraint for AttachType used (not initialized)

Summary of change correct constraint c_AttachTypeAny used instead of tcv_AttachType

			Tes	t Step		
Test Step ld:		ts_GMM_F	PS_Registration (p_Cellid : INTEGE	R)		
Test Step Grou	up Ref.	L3M_MM_	GMM_Steps/			
Objective:		Contains	the core GMM signalling for PS regis	stration (see ts_GMM_idleUpo	dated for details	ed comments)
Defaults:		NAS_Othe	erwiseFail			
Comments:	Comments: @SIC_NAPP					
Nr	L	abel .	Behaviour Description	Constraint Ref	Verdict	Comments
1			+ts_SetTmpCellinfo (p_Cellid)			
2			Dc ? RRC_DataInd (tcv_TmpAttachReqPDU := RRC_D ataInd.msg, tcv_TmpB3:= tcv_TmpAttachReqP DU.attachType.type, tcv_Start := RRC_DataInd.start)	cr_AttachReq (ATTACH REQUEST - Extract Attach type re quested @sic T1-031835 and T1-03xtc2 sic@ WWA#SMS1067

4.13 ts_SM_DeactCtxt_MT (WA#SMS1072)

Test step name ts_SM_DeactCtxt_MT

Reason for change Detach required after Deactivate PDP Context Request

Summary of change Detach procedure added after PDP context deactivation

		1	Test Step		
Test Step Id: Test Step Gro Objective: Defaults: Comments:	Itep Group Ref: SM_Steps/ tive: To deactivate a PDP Context from the UTRAN Side Its: NAS_OtherwiseFail				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		Dc ! RRC_DataReq START t_3395	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_DeactPDP_ContextRe qMT(p_ti, tsc_RejCauPDP_CtxtDeac t))		Send Deactivate PDP C ontext with tear down fla g set to 1
2		Dc? RRC_Dataind CANCEL t_3395, START t_Dly(5000)	car_PS_UplinkDirectTrans fer (tsc_CellDedicated, tsc_RB3, cr_DeactPDP_ContextAcp MO)	(P)	Send Deactivate PDP C ontext with tear down fla g set to 1 WA#SMS1072
3		Dc ? RRC_Dataind CANCELt_Dly	car_PS_UplinkDirectTrans fer (tsc_CellDedicated , ts c_RB3, cr_DetachRequest_MO)	7 7	Receive Detach Reque st WA#SMS1072
4		Dr I RRC_DataReq	ca_PS_DataReq(tsc_Cell Dedicated , tsc_RB3, cs_DetachAcc)		DETACH ACCEPT WA#SMS1072
5		(tcv_AttachFlag := FALSE)			Note that UE is not GMM attached WA#SMS1074
6		? TIMEOUT t_Dly		(F)	WA#SMS1072
7		? TIMEOUT t_3395		(F)	On expiry of T3395, FAIL

4.14 ts_SM_DeactCtxt_MT (WA#SMS1074)

Test step name ts_SM_DeactCtxt_MT

Reason for change attach flag not set as required by subsequent test step

Summary of change attach flag set as required by subsequent test step (tcv_AttachFlag := FALSE)

Source of change New Change Label WA#SMS1074

4	Dc I RRC_DataReq	ca_PS_DataReq(tsc_Cell Dedicated , tsc_RB3, cs_DetachAcc)	DETACH ACCEPT WA#SMS1072
5	(tcv_AttachFlag := FALSE)		Note that UE is not GMM attached WAFSMS1074

4.15 px_MaxNumOfChars (WA#SMS1092)

Test suite parameter px_MaxNumOfChars

name

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change Introduce new PIXIT item to hold the max. number of characters in an SM.

Source of change New Change Label WA#SMS1092

px_MaxNumOfChars	INTEGER	PDOT Table B.4	max, number of characters in a
			max. number of characters in a MO SMS VOMESMS 1092
			VAMSMS1092

4.16 tsc_Fox (WA#SMS1092)

Test suite constant tsc_Fox

Reason for change

name

A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change Introduce a string constant as long as a maximum length SM.

tsc_Fax	IA58tring	"The quick brown fox jumps over the lazy dog's	Fox String of maximum SMS length of 16
		back. Kaufen Sie Ihrer Frau vier begueme Pel	
		26 0123456789 - THE QUICK BROWN FOX J	WARSMS1092
		UMPS OVER THE LAZY DOG'S BACK*	

4.17 cr_TP_SUBMIT_02 (WA#SMS1092)

Constraint name cr_TP_SUBMIT_02

A comment from Sasken which claimed that short messages to be sent by the UE must have maximum length Reason for change

Summary of change To hold a maximum length SM submitted by the UE.

		Structured Type Con	straint Declaration		
Constraint Name:	raint Name: or_TP_SUBMIT_02				
Group:					
Type Name:	SMS_SUBMIT				
Derivation Path:					
Encoding Variation					
Comments:	MO SMS with maxim VAFSMS1092	um amount of user data			
Elem	ent Name	Element Value	Type Encoding	Comments	
tP_ReplyPath		7			
tP_UD_HeaderInd		?			
tP_StatusRptReq		?			
tP_ValPeriodFrmt		7			
tP_RejDuplicates		9			
tP_MagTypeInd		70118			
tP_MspRef		7			
tP_DestAddr		cr_TP_DestAddr01			
tP_Protid		c_TP_Protid01			
tP_DataCodingSch	eme	t_TP_DC8_01			
tP_ValPeriodRel		9			
tP_ValPeriodAbs					
tP_ValPeriodEnh					
tP_UD_Len		o_infToOct(pc_MacNumOfChars;			
tP_UserData		9			

4.18 cr_RP_UserData03_lv (WA#SMS1092)

Constraint name cr_RP_UserData03_lv

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change To hold a maximum length SM submitted by the UE and caught with

cr_TP_SUBMIT_02.

Source of change New Change Label WA#SMS1092

	Structured Type Constraint Declaration				
Constraint Name: cr_RP_UserData03	_hv				
Group:					
Type Name: RP_UserData_lv					
Derivation Path:					
Encoding Variation:					
Comments: VVAFMS1092					
Element Name	Element Name Element Value Type Encoding Comments				
iel	?				
P_COMMAND	-				
P_DELMER	-				
P_DELIVER_REPORT					
P_SUBMIT	Cr_TP_SUBMIT_02				
tP_SUBMIT_REPORT					
IP_STATUS_REPORT					

4.19 cr_ RP_DATA_02 (WA#SMS1092)

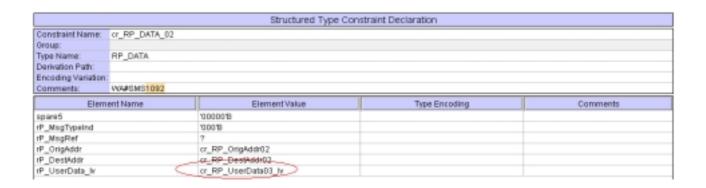
Constraint name cr_RP_DATA_02

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change To hold a maximum length SM submitted by the UE and caught with

cr_TP_SUBMIT_02 and cr_RP_UserData03_lv.



4.20 ts_AT_CMGW (WA#SMS1092)

Test step name ts_AT_CMGW

Reason for change

A comment from Sasken which claimed that short messages to be sent by the UE must have maximum length. A $3^{\rm rd}$ parameter needed

to pass the SM to be sent to the AT command.

Summary of change Parameter containing the SM added, and all of it constructed in the AT

command including delimeters.

			st Step					
Test Step ld:		DA: IASString; p_TODA: INTEGER; p_Str: IASS	tring)					
Fest Step Group Ret								
Objective:		To write message to Preferred message store						
Defaults:	UT_OtherwiseFail							
Comments:	The string to be so VANSMS1092	in Address is set to p_DA by using the AT con ent as the message to be stored by the UE is to be adapted to ps_MaxNumOfChars < 160	determined by p_Str.					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments			
		+lt_BuildAT_Cmd						
2		Ut1AT_CmdReq	ra_AT_CmdReq (tov_AT_Cmd		1.			
3		Ut ? AT_CmdCmf; tcv_AT_Cmd := AT_ CmdCnf.resultString)	ca_AT_CmdCnfWithString		@sic EW ER 1529 sto@			
4		(tov_Res >= o_CheckStringStartWith (tov_AT_Cmd , " <cr><lf>+CMGW("))</lf></cr>			2.			
	TSP	[tov_Res]		(P)				
	TSF	[NOT toy_Res]		(F)				
t_BuildAT_Cmd								
7		(jcv_IA5_String1 := o_ConcatStrg("AT+CMGW=", p_DA())			3.			
8		dov_IA5_String2 := o_ConcutStrg(o_InfToIA5(p_TODA, 200			4.			
9		(lcv_IA5_String1 := a_ConcatStrp(lcv_IA5_String1, lcv_IA5_String2))			5.			
10		dxv_M5_String1 := o_ConcatStrg(tov_M5_String1, *xCRx*))			6.			
11		(lev_IA5_String1 >= o_ConcatStrp(tov_IA5_String1, p_Str))			7.			
12		(tcv_AT_Cmd >= o_ConcatStrp(tov_IA5_String1, " <esc><cr>"()</cr></esc>			ü.			

4.21 tc_16_2_2 (WA#SMS1092)

Test case name tc_16_2_2

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length.

Newly created constraint cr_RP_DATA_02 and modified test step ts_AT_CMGW used. Summary of change

E_8M8_1					
18		Deffree_Data >= RRC_Datainstrop, tov_TL_Strial = tov_CP_Dataistrial, tov_RP_Magnar = tov_CP_Dataistrial, ataiP_DATAiP_MagReb	car_PS_UpinADirectTransfer(tos_ColiDedicated, tos_RS4, cr_CP_DATA_83(cr_CP_UserCotali3(cr_RP_DATA_83())		SNps 10 / 40 CPDATA / RP_DATA / SNS_SUSS IT (se-rs) WARSMS1030 WARSMS1032
R SMS 3/p Tin	ne INTEGER)				
46		Dc?RRC_Dataind	car_PS_UplinkDirecfTransfet(tac_CellDedicated, tac_RB4, tr_CP_DATA_03(tr_CP_UserData03)(tr_CP_UserData03)(tr_CP_DATA_020)		Staps 27 / 59 CPCATALISP_DATA / SMS_SUBA IT (A00~00 VANESHS1030 VANESHS1052
47		dcv_CP_DetaPlote:= 0)			
48		REPEAT IL SMS_6 UNTIL (cv_CP_DetaRe tr = pv_MaxCP_DataRets)			Staps 28-30 / 60-62 MO-SM is retransmitted
49		START LLowerSounddor_TTC1Mmin + p			
50	TBF3	_Time() Dc:YRRC_Datains	car_PS_UplinkDirecffransfer(bscelDeficated, bs_RB4, c_CP_DATA_02(cr_CP_UserDefa03); c_RP_DATA_020)	(F)	CPDATAJRP_DATAJSMS_SUBM IT Que-mp shall NOT be sent more than pr_ MaxCP_Stops VARCESSTOP WARRESTOR
t_SMS_4					
54		DcYRRC_Dataind (try_CP_Data >= RRC_Dataind.mag, try_Tt_1_SUNA >= try_CP_DataItUNA, try_RP_MagRef == try_CP_Data_CP_UserD ata_P_DATA_P_MagRef)	car_PR_UplinkDirectTransfer(far_Delicated, far_RBA, cr_CP_DATA_00(cr_CP_UserData(0), or_RP_DATA_00())		Step 41 OPDATA/RP_DATA/SMS_SUBM IT 0.00-Y0 VIAMEMIST 0.00 VIAMEMIST 0.002
t_SMS_5					
56		DoffRPC_Dataind() tov_CP_Data = RRC_Dataind.msg, tov_TL_B&Mal = tov_CP_Datain.Mval, tov_RP_MsgRef = tov_CP_DatainP_UserD atairP_DATAirP_MsgRef)	car_PS_UpliniDirectTransfor(tsc_CeliDedicated, tsc_RB4, cr_CP_DATA_83(cr_CP_UserData83(cr_RP_DATA_83())		Stop P5 CPDATA (RP_DATA (SMS_SUGM IT (us=n) WWWSMS1030 WWWSMS1032
E_SMS_6					
88		START (_UpperBound(tcv_TTwiceTC1Mme i0			
67	TBF5	?TIMEOUT t_UpperBound		(F)	
68		+ts_RRC_CennRek(txx_CellA, cell_Deh)			
89		Dr7890_Dataind CANCELT_UpperBound	car_PS_UplinADirectTransfer(tse_CortDedecated, tsc_R84, cr_CP_DATA_83(cr_CP_UserData83(cr_RP_DATA_83()		CPDATA (RP_DATA (SMS_SUGA IT (Ne-H) WARSMS1030 WARSMS1032
70		dcv_CP_DataReb: = tcv_CP_DataReb: + 1	The It will be the		

5 Branches executed in test case 16.2.2

The test case implementation executed with CS and PS activated, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

• Execution log files 16_2_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 16_2_2-pics-pixit-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040316

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

		CHAN	GE REQ	UEST			CR-Form-v7
♯ TS 3	4.123-3	CR 366	жrev	- #	Current versi	ion: 3.5.1	ж
For <u>HELP</u> on us	sing this for	m, see bottom o	of this page or	look at the	pop-up text	over the	nbols.
Proposed change a	affects:	JICC apps#	ME	Radio Ac	cess Networ	k Core Ne	etwork
Title: Ж	Addition of	GCF P3 test ca	ase 16.2.10 to	SMS ATS	V3.5.1		
Source: #	Rohde & S	chwarz					
Work item code: ₩	N/A				Date: ૠ	19/05/2004	
	F (con A (con B (add C (fun D (edi Detailed ex	the following cate, rection) responds to a cordition of feature), ctional modification torial modification planations of the a 3GPP TR 21.900	rection in an ear on of feature)) above categories	ilier release)	2 R96 R97 R98 R99 Rel-4 Rel-5	R99 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	eases:
Reason for change.	:		oackage 3 SM	S test case	e 16.2.10 to th	ne approved S	MS ATS
Summary of change		document lists alletailed change	•) required for a	approval.
Consequences if not approved:	₩ <mark>Test o</mark>	case will not be a	added to ATS				
Clauses affected:	₩ <mark>N/A</mark>						
Other specs affected:	¥ X X	Other core spe Test specificat O&M Specifica	ions	*			
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:

- 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

3GPP TSG-T1 E-Mail 2004

T1s040317

Jan - 31 Dec 2004

Title: Changes to test case 16.2.10 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 16.2.10 which is part of the SMS 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.

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3 Verification Test Summary

Test Case: TC_16_2_10

Test Group: SMS/CS_Mode/

ATS Version: iWD-TVB2003-03_D04wk15 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 16.2.10

4.1 Introduction

This section describes the changes required to make test case 16.2.10 run correctly with a 3G UE. All modifications are marked with label "WA#SMS<number>" for SMS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was SMS_wk15.mp which is part of the iWD-TVB2003-03_D04wk15 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 16.2.10:

WA#SMS1037, WA#SMS1088, WA#SMS1091

4.2 tc_16_2_10 (WA#SMS1043)

Test case name tc_16_2_10

Reason for change SM not ME to be used as memory, because the UE always writes SM. If ME is

used, thus the incorrect memory is deleted with CMGD.

Summary of change SM not ME to be used as memory in the CPMS AT Command

It_AT_Ini	it	
47	+1s_AT_CSMS	Set SMS mode
48	+ts_AT_CPM8(sm-,	Set Preferred memory to "SM", "SM", "MT" @six EW ER 1527 six@
	SMT.	WARSMS1043

4.3 tc_16_2_10 (WA#SMS1063)

Test case name tc_16_2_10

Reason for change SMS service type should be set explicitly by the test case

Summary of change SMS service type set explicitly by the test case (AT+CGSMS=0)

Source of change New Change Label WA#SMS1063

41	+ts_AT_CSCS("GSM")	Set Character Set "GSM"
42	+1s_AT_COSMS_PS	Set MO SMS mode to Pac ket Domain WA#SMS108 3
43	+ts_AT_CMGD_AII	Delete message storage s
1.1		

4.4 ts_AT_CGSMS_PS (WA#SMS1065)

Test step name ts_AT_CGSMS_PS

Reason for change To set SMS PS service type set explicitly by the test case (AT+CGSMS=0)

Summary of change New test step to set SMS PS service type set explicitly

	Test Step					
Test Step ld:	ts_AT_CGSMS	_P8				
Test Step Group Ri	ef: AT_Steps/					
Objective:	To set the UE t	o send MO SMS in PS mode				
Defaults:	UT_Otherwise	Fall				
Comments:	omments: MO SMS in PS mode is selected by using the AT command '+CGSMS=0' WA#SMS1065					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments	
1		Ut IAT_CmdReq	ca_AT_CmdReq("AT+CGS MS=0 <cr>")</cr>		1.	
2		Ut ? AT_CmdCnf(tcv_AT_Cmd := A T_CmdCnf(resultString)	ca_AT_CmdCnf			

4.5 cs_TP_OrigAddr_01 (WA#SMS1035)

Constraint name cs_TP_OrigAddr_01

Reason for change Incorrect length calculation

Summary of change Length means number of useful semi-octets

Source of change New Change Label WA#SMS1035

	Structured Type Constraint Declaration			
Constraint Name:	cs_TP_OrigAddr01(g_TPOA: BCDN)			
Group:				
Type Name:	TP_Addr			
Derivation Path:				
Encoding Variation:				
Comments:				

Element Name	Element Value	Type Encoding	Comments
iel	o_IntToOct(2*LENGTH_OF(p_TPOA), 1)		Integer representation of usef ul semi-octets; as BCDN is de calred as OCTETSTRING the number must be even! WA#SMS1035
typeOfNumPlan	cs_TypeOfNumPlan03		ton: international, npi: ISDN/tel . E.164
digits	p_TPOA		

4.6 ts_SMSPS_SetupMO_Part1/configType (WA#SMS1073)

Test step name ts_SMSPS_SetupMO_Part1

Reason for change config type not set as required by subsequent test step

Summary of change config type set as required by subsequent test step (tcv_CellInfoA.cellConfig

:= cell_DCH_StandAloneSRB_NoConn)

	Test Step								
Test Step ld:	ts_SMSPS_Se	tupMO_Part1(p_Mode: INTEGER)							
Test Step Group Re	t SMS_Steps/								
Objective:	To set up a mo	bile originated SMS-PS connection fill rec	eipt of Service Request						
Defaults:	NAS_Otherwis	eFail							
Comments:		MO SMS-PS connections are requested to be established via AT or MMI command. The mode indicates the type of SMS-PS activity be performed. An MO RRC connection results.							
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments				
1		(tov_CellinfoA.cellConfig := cell_DC H_StandAloneSRB_NoConn)			1. VW#SMS1073				
2	-ts_SMS_SetupMO_Mode(p_Mode) 1.								

4.7 ts_SMSPS_SetupMO_Part1/ASP Type (WA#SMS1040)

Test step name ts_SMSPS_SetupMO_Part1

Reason for change incorrect ASP type used for Service Request

Source of change New Change Label WA#SMS1040

4	Dc ? RRC_DataInd	car_PS_InitDirectTransfer(3. WAFSMS1040
		tsc_CettDedicated, tsc_RB3, cr_ServiceRequest(c_ServiceType_v(1009), c_MobileIdPTMSI_hv(tcv_AssignedPTMSI), tcv_PS_KeySeq()	

4.8 tc_16_2_10 (WA#SMS1037)

Test case name tc_16_2_10

Reason for change Initialization potentially incomplete for PS

RLC_IncMode

4	0cv_RP_OrigAddrMT:="111111111 1'O, tcv_TP_OrigAddr01:="5555555550	
5	+ts_RRC_initVariablesPS(cell_D CH)	WA#8M81037
6	(tcv_CN_Domain:=ps_domain)	@sic EW ER 1535 sic@

tcv_RRC_EstCauMO	EstablishmentCause	To hold the establishment cause for M O call that is supported by UE. Assigne d in ts_RRC_initVariables.
		VA#SMS1037

	ASN.1 Type Definition					
Type Name:	RLC_IncMode					
Group:						
Encoding Variation:						
Comments:	WA#SMS1037					
Type Definition						
ENUMERATED (notine(0), ine(1))						

4.9 tc_16_2_10 (WA#SMS1030)

Test case name tc_16_2_10

Reason for change Incorrect ASP Type used

It_SMS_:	2				
19		Dc!RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_ACK(tcv_TL_1_S))		CPACK (n->ue) WA#SMS1030
20		DcIRRC_DataReq (tcv_TI_1_R.tiVal := tcv_TI_1_S.tiV al) START t_Dly(tsc_TWait25Sec)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_DATA_01(tcv_TI_1_S, cs_CP_UserData04(tcv_RP_MsgRef)))		CPDATA / RP_ACK (n-> ue) WA#SMS1030
21	TBF1	?TIMEOUT t_Diy		(F)	
22		+ts_RRC_ConnRel(tsc_CellA, cell_Dch)			
23	TBP1	Dc?RRC_DataInd CANCEL t_Dly	car_PS_UplinkDirectTran sfer(tsc_CellDedicated, tsc_RB4, cr_CP_ACK(tcv_TL_1_R))	(P)	CPACK (ue->n) VA#SMS1030

It_SMS_5					
24		Dc?RRC_DataInd(tcv_CP_Data := RRC_DataInd.ms g, tcv_Tl_1_S.tfVal := tcv_CP_Data.ti. tfVal, tcv_RP_MsgRef := tcv_CP_Data.c P_UserData.rP_DATA.rP_MsgRef)	tsc_CellDedicated, tsc_RB4, cr_CP_DATA_03(cr_CP_UserData03(CPDATA / RP_DATA / S MS_SUBMIT (ue->n) VVA#SMS1030
25		+It_TI1			
26		DcIRRC_DataReq(tcv_CP_Data := RRC_DataReq.m sg, tcv_SM_Contents := tcv_CP_Data. cP_UserData.rP_DATA.rP_UserD ata_w.fP_DELIVER.fP_UserData) START t_Dly(tsc_TWait25Sec)	tsc_RB4, cs_CP_DATA_01(tcv_TI_S,		CPDATA / RP_DATA / S MS_DELIVER (n->ue) WA#SMS1030
27	TBF2	?TIMEOUT t_Dly		(F)	
28		+ts_RRC_ConnRel(tsc_CellA, cell_Dch)			
29	TBP2	Dc?RRC_Dataind START t_Dhy(tsc_TWait60Sec)	car_PS_UplinkDirecfTrans fer(tsc_CellDedicated, tsc_RB4, cr_CP_ACK(tcv_TL_R))	(P)	CPACK (ue->n) WA#SMS1030
30	TBF3	?TIMEOUT t. Diy	10-10-10	(F)	
31		*ts_RRC_ConnRel(tsc_CellA, cell_Dch)		,	
32	TBP3	Dc?RRC_DataInd CANCEL t_Dly	car_PS_UplinkDirectTrans fer(tsc_CellDedicated, tsc_RB4, cr_CP_DATA_02(tcv_TI_R, cr_CP_UserData02(tcv_RP_MsgRef())	(P)	CPDATA / RP_ACK (ue- >n) WA#SMS1030
33		DclRRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB4, cs_CP_ACK(tcv_TI_S))		CPACK (n->ue) V/A#SMS1030

5 Branches executed in test case 16.2.10

The test case implementation executed with CS and PS activated, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- Execution log files 16_2_10_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 16_2_10-pics-pixit-Nokia.html
 Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040318

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

			(CHAN	GE R	EQI	UE:	ST					CR-Form-v7
# TS 3	4.1	23-3	CR	367	ж	rev	-	\mathfrak{H}	Curre	nt vers	sion:	3.5.1	*
For <u>HELP</u> on us	sing i	his for	m, see	bottom c	of this pa	ge or l	ook a	at the	е рор-и	ıp text	over	the ♯ sy	mbols.
Proposed change a	affec	ts: L	JICC a	pps#]	ME	Rad	io Ad	ccess I	Netwo	rk	Core N	etwork
	Addi 0401		P2 NA	S test ca	se 9.4.2	.4 proc	2 to	NAS	SATS	V3.5.1	(revi	sion of T	1-
Source: #	Anri	tsu Lim	ited										
Work item code: ₩	N/A								Di	ate: ೫	25/	05/2004	
	Deta	F (corr A (corr B (add C (fund D (edit iled exp	ection) respond lition of ctional i orial me	wing cates ds to a corrifeature), modification, ns of the a TR 21.900.	rection in on of featt) lbove cat	ure)		lease	Use 2 F) R R R R R		the fo (GSM (Rele (Rele (Rele (Rele (Rele	Blowing rel 1 Phase 2, ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5) ase 6)	
Reason for change	e: #		s error	ction qua s in the U									
Summary of chang	ıe: ₩	cb_SII to cpic			the cells	SelectC	ualit	yMea	asure i	s char	nged f	rom cpic	h_Ec_N0
Consequences if not approved:	Ж	Test c	ase wi	ll fail.									
Clauses affected:	H	N/A											
Other specs affected:	¥	Y N X X	Test s	core spe specificati Specifica	ions	ns	*						
Other comments:	\mathfrak{H}												

How to create CRs using this form:

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

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

- downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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

T1S040227

Title: Changes to test case 9.4.2.4 proc 2 required for approval

Source: Anritsu Limited

Agenda Item: TTCN Issues

Document for: Approval

Contact: Dan Fox

dan.fox@eu.anritsu.com Tel. +44 1582 433200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.2.4 proc 2 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

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4.1	Introduction	
	cb SIB3 DefUTRAN	

3 Verification Test Summary

Test Case: tc_9_4_2_4_2

ATS Version: iWD-TVB2003-03 D04wk17

Domain Tested: CS

Test Configuration: Integrity Enabled

Ciphering Disabled

pc_CS = TRUE

System Simulator used: Anritsu Protocol Test System MX785201A

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 9.4.2.4 proc 2

4.1 Introduction

The ATS version used as basis was NAS_wk17.mp which is part of the iWD-TVB2003-03_D04wk17 release. The agreed changes described in T1s040109 (the original CR to introduce this test case) have been implemented by MCC160 in iWD-TVB2003-03_D04wk17. This revised CR describes the additional changes made to iWD-TVB2003-03_D04wk17.

4.2 cb SIB3 DefUTRAN

For cb_SIB3_DefUTRAN the cellSelectQualityMeasure is set to cpich_Ec_N0 instead of cpich_RSCP. This IE needs to match that sent in SIB11 (25.331 clause 10.3.2.3) which is cpich_RSCP. This causes a problem as all the parameters are not present for cpich_Ec_N0 which causes errors in measuring the correct cell power levels for the reselection. This will prevent Cell B from being seen as suitable for reselection.

Before:-

	ASN.1 Type Constraint Declaration					
Constraint Name:	ame: cb_SIB3_DefUTRAN (p_CellInfoCfg : CellInfoCfg)					
Group:						
Type Name:	SysInfoType3					
Derivation Path:						
Encoding Variation:						
Comments:	Comments: Default system information block type 3 for UTRAN only					
	Constraint Value					
{						

```
sib4indicator TRUE,
cellIdentity INT_TO_BIT (p_CellInfoCfg.cellId, 28),
cellSelectReselectInfo {
  mappingInfo OMIT,
  cellSelectQualityMeasure cpich_Ec_N0 : { q_HYST_2_S 0 },
  modeSpecificInfo fdd: {
     s_Intrasearch 8,
     s_Intersearch 8,
     s_SearchHCS OMIT,
     rat_List OMIT,
     q_QualMin -24,
     q_RxlevMin -40 -- (IE value * 2) + 1
  },
  q_Hyst_I_S 2,
  t_Reselection_S 0,
  hcs_ServingCellInformation OMIT,
  maxAllowedUL_TX_Power 21
},
cellAccessRestriction {
  cellBarred notBarred : NULL,
  cellReservedForOperatorUse notReserved,
  cellReservationExtension notReserved,
  accessClassBarredList { notBarred,
     notBarred
  }
},
nonCriticalExtensions OMIT --@sic T1s-040086 sic@
```

After:-

ASN.1 Type Constraint Declaration			
Constraint Name:	cb_SIB3_DefUTRAN (p_CellInfoCfg:CellInfoCfg)		
Group:			
Type Name:	SysInfoType3		
Derivation Path:			
Encoding Variation:			
Comments:	Default system information block type 3 for UTRAN only		

cellSelectReselectInfo { Constraint Value sib4indicator TRUE, cellIdentity INT_TO_BIT (p_CellInfoCfg.cellId, 28), cellSelectReselectInfo {

```
mappingInfo OMIT,
  cellSelectQualityMeasure cpich_RSCP: NULL,
  modeSpecificInfo fdd: {
     s_Intrasearch 8,
     s_Intersearch 8,
     s_SearchHCS OMIT,
     rat_List OMIT,
     q_QualMin -24,
     q_RxlevMin -40 -- (IE value * 2) + 1
  q_Hyst_I_S 2,
  t Reselection S 0,
  hcs_ServingCellInformation OMIT,
  maxAllowedUL_TX_Power 21
cellAccessRestriction {
  cellBarred notBarred: NULL,
  cellReservedForOperatorUse notReserved,
  cellReservationExtension notReserved,
  accessClassBarredList { notBarred,
     notBarred,
     notBarred,
     notBarred.
     notBarred.
     notBarred.
     notBarred,
     notBarred,
     notBarred,
     notBarred,
     notBarred,
     notBarred,
     notBarred,
     notBarred,
     notBarred,
     notBarred
  }
```

nonCriticalExtensions OMIT --@sic T1s-040086 sic@

},

CHANGE REQUEST				
[≆] TS 34.	.123-3 CR 368	urrent version: 3.5.1		
For <u>HELP</u> on usin	ng this form, see bottom of this page or look at the po	op-up text over the Ж symbols.		
Proposed change aff	fects: UICC apps第 ME Radio Acce	ess Network Core Network		
Title: # A	ddition of NAS test case 12.4.2.5a.2 to NAS ATS V3	3.5.1		
Source: # R	ohde & Schwarz			
Work item code: ₩ N	/A	Date : 27/05/2004		
Reason for change:	## To add verified GCF package 3 NAS test case 12 ## To add verified GCF package 3 NAS test case 12 ## This document lists all changes applied to test case 12			
	approval. See detailed change description for further inform	nation.		
Consequences if not approved:	置 Test case will not be added to ATS			
Clauses affected:	₩ N/A			
Other specs affected:	Y N X Other core specifications			
Other comments:	x			

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 \$\mathbb{K}\$ 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

Tdoc #T1s040337

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

Title: Changes to test case 12.4.2.5a.2 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

thomas.moosburger@rsd.rohde-schwarz.com

Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 12.4.2.5a.2 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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5	Branches executed in test case 12.4.2.5a.2	4
6	Execution Log Files	4
6.1	Nokia 3G UE 7600	4
7	References	4

3 Verification Test Summary

Test Case: TC_12_4_2_5a_2

Test Group: GMM/ Routing_Area_updating / Combined_RAU

ATS Version: iWD-TVB2003-03_D04wk20 + essential modifications

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

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 12.4.2.5a.2

4.1 Introduction

This section describes the changes required to make test case 12.4.2.5a.2 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk20.mp which is part of the iWD-TVB2003-03_D04wk20 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 12.4.2.5a.2:

WA#NAS4453

4.2 tc_12_4_2_5a_2

4.2.1 WA#NAS4525

Test step name tc_12_4_2_5a_2 : lt_TestBody

Registration on CS domain.

Summary of change Replaced "ts_GMM_TriggerPSRegistrationAtSwitchOn_NMO_I" with

"It_GMM_TriggerPSRegistration_NMO_I"

Source of change New change

Label WA#NAS4525

17	+ts_CS_Paging_TMSI (tsc_CellB, terminatingConversational Call)	Step 15 @sic VB ER1568 sic@
18	+ts_VerifyNoAccess (3)	Step 16
19	+ ts_MM_Pwr0rUSIM_Off(TRUE)	Step 17 If possible USIM removal is performed. Ot herwise if possible switch off is performed . Otherwise the power is removed
20	+ 1s_MM_PwrOrUSIM_On (TRUE)	@sic VB USIM removal sic@
21	+h_GMM_TriggerPSRegistration_NMO_I	Steps 18a-19a WAFNAS4525
22	+it_Attach_Steps_20To22	
23	 ts_CS_Paging_TMSI (tsc_CellB), terminatingConversationalCall) 	Step 23
24	+ts_CS_PagingResp (tsc_CellB, terminatingConversatio nalCall)	Step 27

. . .

IL_GM	M_TriggerPSRegistration_NMO_I	
34	<pre>+ts_RRC_ConnEst(tsc_CellB, est_Reg, registration)</pre>	Attempt registration on Cell D
35	[pc_AutomaticAttachSwitchON = TRUE]	Do nothing, the UE will automatically start PS registration
36	[TRUE]	UE will first perform CS registration, and the user should trigger it to perform PS registration
37	+ts_RegistrationOnCS_lfOpModeA (tsc_CellB, px_TMSI_Det)	
38	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)	
39	START t_WaitS (1)	Wait 1 s to allow UE to relax
40	?TIMEOUT1_WaitS	
41	+ts_AT_TriggerGMM_Attach	trigger UE to initiate GMM Attach
42	+ts_RRC_ConnEst(tsc_CellB, est_Reg, registration)	Establish RRC connection

4.2.2 WA#NAS4361

Test step name tc_12_4_2_5a_2 : lt_RAUpdRej_Steps_9To10

Reason for change As TMSI has already been alocated to the UE, No TMSI_Status info should be

xpected

Summary of change Replaced wildcard '*' with '-' (omit) for parameter "p_TMSIStatus"

Source of change New change

Label WA#NAS4361

It_RAU	lpdRej_Steps_9To10		
40	+ts_RRC_ConnEst(tst_CellB, est_Reg, registration)		
41	Dt ? RRC_DataInd (tcv_Start >= RRC_DataInd.start)	car_PS_InitDirecfTransfer(tsc_CellDedic ated, tsc_RB3, cbr_RA_UpdReq_3 (Step 9. ROUTING AREA UPDATING REQUEST - Update type 'Combine d LA/RA updating' - RAI-2 (corresponding to cell A) - P-TMSI-2 signature - Mobile Id = P-TMSI-2 WANNAS4448
42	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)		
43	Dc I RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_ RB3, cs_RA_UpdRej('0D'0)	Step 10. ROUTING ARE A UPDATING REJECT - cause = Roaming not allowed in this area'
44	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)		

5 Branches executed in test case 12.4.2.5a.2

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

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

• Execution log files 12_4_2_5a_2_Logs-Nokia\Index.html

This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

• PICS/PIXIT file 12_4_2_5a_2-pics-pixit-Nokia.txt

Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040338

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST			
# TS 3	.123-3 CR 369 # rev = #	Current version: 3.5.1	
For <u>HELP</u> on us	ng this form, see bottom of this page or look at the	e pop-up text over the 光 symbols.	
Proposed change a	fects: UICC apps第 <mark> ME</mark> Radio Ad	ccess Network Core Network	
Title: ₩	evised CR for addition of GCF P3 test case 8.2.4.	.1a to RRC ATS V3.5.1	
Source: #	ohde & Schwarz		
Work item code: ₩	/A	Date: 8 07/06/2004	
Reason for change	Ise 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) etailed explanations of the above categories can be found in 3GPP TR 21.900. To add verified GCF package 3 RRC test case V3.5.1 This document lists all changes applied to test approval. See detailed change description for further information.	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) e 8.2.4.1a to the approved RRC ATS t case 8.2.4.1a required for	
Consequences if not approved:	₩ Test case will not be added to ATS		
Clauses affected:	₩ N/A		
Other specs affected:	Y N	Prose CR T1 -041002	
Other comments:	x		

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 \$\mathbb{K}\$ 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

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

Title: Changes to test case 8.2.4.1a required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

thomas.moosburger@rsd.rohde-schwarz.com

Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.2.4.1a 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.

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4.4	c_TrChInfoUL_336_148_TFCS (WA#RRC4481)	∠
4.5	cds_TrChReconf64k_PS_TFCS_UL (WA#RRC4482)	
4.6	tc_8_2_4_1a (WA#RRC4474)	
4.7	tc_8_2_4_1a (WA#RRC4483)	6
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3 Verification Test Summary

Test Case: TC_8_2_4_1a

Test Group: RRC/ RRC TrCH ReConf/

ATS Version: iWD-TVB2003-03_D04wk20 + essential modifications

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

UE used: Nokia 7600 & Motorola A835

Verification Status: PASS

4 Corrections required for test case 8.2.4.1a

4.1 Introduction

This section describes the changes required to make test case 8.2.4.1a 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_wk20.mp which is part of the iWD-TVB2003-03_D04wk20 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.2.4.1a:

WA#RRC4339.

4.2 c_TFCS_CmpI0_To8 (WA#RRC4480)

Test step name c_TFCS_Cmpl0_To8

[TF4,TF0] & [TF4,TF1]

Summary of change Removed "ctfc 4" from the original constraint.

Source of change New change

Label WA#RRC4480

	ASN.1 Type Constraint Declaration
Constraint Name:	c_TFCS_Cmpl0_To8 (p_PowerOffsetInformation : PowerOffsetInformation)
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information with power offset information
	@sic OG 16/03/04 T1S040217 sic@.
	WA#RRC4480

```
Constraint Value
normalTFCI_Signalling: complete: {
 ctfcSize ctfc4Bit:{
 {
   ctfc4 0,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
   ctfc41,
   powerOffsetInformation c_PowerOffsetInfoComputed
 },
   ctfc4 2,
   powerOffsetInformation c_PowerOffsetInfoComputed
   ctfc43,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
 {
   ctfc4 5,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
   ctfc46,
   powerOffsetInformation c_PowerOffsetInfoComputed
 },
   ctfc4 7,
   powerOffsetInformation c_PowerOffsetInfoComputed
   ctfc48,
   powerOffsetInformation c_PowerOffsetInfoComputed
  } }}
```

4.3 c_DCH_336_148_UL_Info_TFCS (WA#RRC4479)

Test step name c_DCH_336_148_UL_Info_TFCS

Reason for change To use the constraint c_TFCS_Cmpl0_To8 for Uplink

Source of change New change

Label WA#RRC4479

ASN.1 Type Constraint Declaration

Constraint Name: c_DCH_336_148_UL_Info_TFCS (p_ActTime : ActivationTime)

Group:

Type Name: CphyTrchConfigReq

Derivation Path: Encoding Variation:

Comments: WA#RRC4479

```
Constraint Value

{
    activationTime activationCFN : p_ActTime,
    ulconnectedTrCHList {
        { trchid tsc_UL_DCH1,
            ul_TransportChannelType dch,
            transportChannelInfo c_DCH_336_TFS},
        { trchid tsc_UL_DCH5,
            ul_TransportChannelType dch,
            transportChannelType dch,
            transportChannelInfo c_DCH_148_TFS_UL }
        },
        ulTFCS c_TFCS_Cmpl0_To8(c_PowerOffsetInfoHigher64k), -- sent to SS
        dlconnectedTrCHList OMIT,
        dlTFCS OMIT
}
```

4.4 c_TrChInfoUL_336_148_TFCS (WA#RRC4481)

Test step name c_TrChInfoUL_336_148_TFCS

Reason for change To use the constraint c_TFCS_Cmpl0_To8 for Uplink

Summary of change Created a new constraint to apply the TFCS restriction for Uplink

Source of change New change

Label WA#RRC4481

```
ASN.1 Type Constraint Declaration
                 c_TrChInfoUL_336_148_TFC8
Constraint Name:
Group:
                  TrCHInfo
Type Name:
Derivation Path:
Encoding Variation:
Comments:
                  WA#RRC4481
                                       Constraint Value
 ulconnectedTrCHList {
 { trchid tsc_UL_DCH1,
  transportChannelInfo c_DCH_336_TFS },
 { trchid tsc_UL_DCH5,
  transportChannelInfo c_DCH_148_TFS_UL }},
 ulTFCS c_TFCS_Cmpl0_To8 (c_PowerOffsetInfoHigher64k)-- sent to SS
```

4.5 cds_TrChReconf64k_PS_TFCS_UL (WA#RRC4482)

Test step name cds_TrChReconf64k_PS_TFCS_UL

Reason for change Prose CR raised T1-041002

Summary of change Modified the constraint to change the UL TFCS.

Source of change New change

Label WA#RRC4482

```
ASN.1 PDU Constraint Declaration
                    cds_TrChReconf84k_PS_TFCS_UL (
Constraint Name
                      p_integrityCheckinfo: integrityCheckinfo;
                      p_RRC_TI: RRC_TransactionIdentifier,
                      p_Act_time : ActivationTime ;
                      p_Freqinfo: Frequencyinfo;
                      p_PrimaryScramblingCode: PrimaryScramblingCode;
                      p_UL_ScramblingCode: UL_ScramblingCode
Group:
PDU Name:
                    DL_DCCH_Message
                    cbs_108_TrChReconf64k_P8
Derivation Path:
Encoding Rule Name:
Encoding Variation:
Comments:
                    @SIC_NAPP
                    WA#RRC4482
```

```
Constraint Value
REPLACE message.transportChannelReconfiguration.r3.transportChannelReconfiguration_r3.ul_CommonTransChinfo BY
 tfc_Subset OMIT,
 prach_TFCS OMIT,
 modeSpecificInfo fdd:{
  ul_TFCS normalTFCl_Signalling: complete: {
   ctfcSize ctfc4Bit;{
     ctfc4 0,
     powerOffsetInformation c_PowerOffsetInfoComputed
     ctfc4 1,
     powerOffsetInformation c_PowerOffsetInfoComputed
     ctfc4 2.
     powerOffsetInformation c_PowerOffsetInfoComputed
     ctfc4 3.
     powerOffsetInformation c_PowerOffsetInfoComputed
     ctfc4.5.
     powerOffsetInformation c_PowerOffsetInfoComputed
     ctfc4 6.
     powerOffsetInformation c_PowerOffsetInfoComputed
     powerOffsetInformation c_PowerOffsetInfoComputed
     powerOffsetInformation c_PowerOffsetInfoHigher64k
REPLACE message.transportChannelReconfiguration.r3.transportChannelReconfiguration_r3.ul_AddReconfTransChinfoList BY OMIT,
REPLACE message.transportChannelReconfiguration.r3.transportChannelReconfiguration_r3.dl_CommonTransChinfo BY OMIT,
REPLACE message transportChannelReconfiguration.r3.transportChannelReconfiguration_r3.dl_AddReconfTransChinfoList BY OMIT
Detailed Comment:
```

4.6 tc_8_2_4_1a (WA#RRC4474)

Test step name tc_8_2_4_1a

Reason for change The UL TFC is restricted in +ts_SS_ModifyDL_DCH_TFCS_0_To8_PS (

tsc_CellA), therefore this test step is not required.

Summary of change Removed the test step +ts_SS_TFC_Restriction (tsc_CellDedicated,

 $\verb|c_TFC_Allowed_0_1_2_3_4_5_6_7_8|, \verb|c_TFC_AllowedFull|||)||$

Source of change New change

Label WA#RRC4474

4.7 tc_8_2_4_1a (WA#RRC4483)

Test step name tc_8_2_4_1a

Reason for change Prose CR raised T1-041002

Summary of change Used the new Transport Channel Reconfiguration constraint.

cds_TrChReconf64k_PS_TFCS_UL

Source of change New change

Label WA#RRC4483

4.8 tc_8_2_4_1a (WA#RRC4484)

Test step name tc_8_2_4_1a

Summary of change Changed the data size to 1280

Source of change New change

Label WA#RRC4484

	Test Case	ľ
Test Case ld:	tr_8_2_4_1a	1
Test Group Reference:	RRC/RRC_TrCh_Record	
Purpose:	To confirm that the UE reconfigures the physical channel and transport channel configuration according to a TRANSPORT CHANNEL RECONFIGUR ATION message, which specifies a reconfiguration by changing physical channel information and TFCS.	
Configuration:		
Defaults:	RRC_Deft	
Comments:	@SIC_NAPP. WWFRC4474	

t_LocalTo	est		
13	(tcv_CellinfoA.dl_DPCH_2ndScrCade := tsc_DL_DPCH_ScrC_4)		
14	+ts_CalculateActTime (tse_CellA)		
15	AM I RLC_AN_DATA_REQ	tas_TrChReconMithCnf (tas_CertCntxtases, tas_R82, tds_TrChReconB4k_P8_TFCS_UL (tes_CellIndinfo.dl_integrityChautHrfd, txv_RRC_Ti, txv_ActTime, txv_CellInfoAfrequencyInfo, txv_CellInfoApriScrmCode, txv_CellInfoAuL_StramblingCode)	Step 1 SS sends Transport Channel Reconfigural on message CELL_DCH to CELL_DCH. (TFCS change) WAZFRCC4483
16	AM ? RLC_AM_DATA_CNF	car_AM_DataMoiCnf(tar_CelDedicated, tar_RB2, tar_Mui)	
17	-ts_SS_ModifyDL_DCH_TFCS_0_To8_PS (tsr_CellA)		Reconfigure SS with new DL TFCS @sic OO 16/03/04 T15040217 sic@
1B TBP1	+ts_RRC_ReceiveTrChReconfCmpl (tsc_CellA, tsv_CellinfoA.cellCo nfig)		Step 2
19	+t_LoopBack		
20	+ts_TC_OpenUE_TestLoop (tsc_CellA)		
21	+ ts_TC_DeartivateRB_TestMode (tsc_CellA)		
LoopB:	ack		
22	+ts_TC_ActivateRB_TestMode (tsc_CellA)		
23	+bs_TC_CloseUtl_TestLoop (bsc_Cebc sc_Utl_TestLoopMode1, c_U E_TestLoopMode1_Ltl_Setup (1290, tsc_R) 20))		WAFRC4484
24	/trx_BB_Data1 := 0_Gell_teatB_gelf-raftBits (tsc_RB_interactive_64, 1 280.))		WA#RRC4484

4.9 Ts_SS_ModifyDL_DCH_TFCS_0_TO_8_PS (WA#RRC4478)

Test step name Ts_SS_ModifyDL_DCH_TFCS_0_TO_8_PS

TFCS is modified, therfore the local config

is modified accordingly.

Summary of change Modified the test step to change the UL TFCS in the local configuration

(c_DCH_336_148_UL_Info_TFCS) and to use the standard 64K configuration

for DL(c_DCH_336_148_DL_Info)

Source of change New change

Label WA#RRC4478



Branches executed in test case 8.2.4.1a

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

5 Execution Log Files

5.1 Nokia 3G Ue 7600

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

Execution log files 8_2_4_1a_Logs-Nokia\Index.html

This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

PICS/PIXIT file 8_2_4_1a-pics-pixit-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing.

5.2 Motorola 3G UE A835

The Motorola 3G UE A835 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_1a_Logs-Motorola\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_1a-pics-pixit-Motorola.html

Text file containing all PICS/PIXIT parameters used for testing.

6 References

[1]

T1s040340This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

	(CHANGE	REQ	UE	ST			CR-Form-v7
*	34.123-3 CR	370	жrev	-	Ж	Current version:	3.5.1	*

*	34.123-3 CR ³⁷⁰	Current version: 3.5.1
For <u>HELP</u> on	using this form, see bottom of this page or look at the p	pop-up text over the ₩ symbols.
Proposed change	e affects: UICC apps第 <mark> ME X</mark> Radio Acc	cess Network Core Network
Title:	Revised CR for Addition of P2 test case 6.2.1.1 T1s040325)	to IR_U ATS v3.5.1 (Revision of
Source:	Racal Instruments Wireless Solutions, an Aeroflex C	Company
Work item code: 3	€ TEI	Date: 第 7/06/2004
Category: ३	Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: # Rel-5 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 chang	To add verified GCF package 2 Idle Mode test of 3.5.1 and to formally state that the test case has 03_D04wk23 and outstanding comments have be	s been tested using iWD-TVB2003-
Summary of chan	See detailed change description for further infor	
Consequences if not approved:	# The test case will not be added to ATS.	
Clauses affected:	¥ 6.2.1.1 Y N	
Other specs	業 X Other core specifications 第	

Clauses affected:	策 6.2.1.1	
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications 34.123-3	
Other comments:	器 No impact on 34.123-1.	

How to create CRs using this form:

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

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

Title: Changes to test case 6.2.1.1 required for approval

Source: Racal Instruments Wireless Solutions, an Aeroflex Company

Document for: Email Approval

Contact: Kundan Sehmbey

kundan.sehmbey@aeroflex.com

Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 6.2.1.1, which is part of IR_U_wk23 test suite. Minimum changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

1	Ove	rview	3				
2	Tabl	le of Contents	4				
3	Verif	fication Test Summary	5				
		rections required for test case 6.2.1.1					
	4.1	Introduction					
	4.2	Presentation of the modifications	5				
	4.3	Modifications					
	4.4	4.3.1 ts_GSM_RegistrationWithoutRRConreq					
5		Changes referred to from previous CRs nches executed in test case 6.2.1.1					
6		cution Log Files					
7	References8						

3 Verification Test Summary

Test Case: tc_6_2_1_1

Test Group: IR_U_wk23/ DualIdleMode /

ATS Version: IR_U_wk23 + modifications

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

UE used: Nokia 3G UE 7600, Qualcomm 6200

Verification Status: PASS

4 Corrections required for test case 6.2.1.1

4.1 Introduction

This documents lists the changes made to test case 6_2_1_1 to make it work with 3G UE. The changes made are given a change label and are explained in the following session.

The TTCN ATS used is IR_U_wk23.mp which is part of the iWD-TVB2003-03_D04wk23 release. The agreed changes/comments described in T1s040325, (the original CR to introduce this test case), have been implemented by MCC160 in iWD-TVB2003-03_D04wk23. In addition, one minor change is made to iWD-TVB2003-03_D04wk23 as below in section 4.3.1.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	tc_6_2_1_1
Reference ATS	IR_U_wk23.mp
Change Label	RACAL#IR_U0101
Reason for change	<textual change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Racal conclusion	

TTCN object: Identifier(s) of one or more TTCN objects having a global context in the

TTCN ATS. Typically only one TTCN object occurs. More than one object is

listed only, when:

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

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

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

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the

current change description applies.

Change Label: Textual identifier starting with the fixed string 'RACAL#IR U', followed by a

> 4-digit number (e.g. RACAL#IR U 0101). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.

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

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 colleagues giving a dedicated reply to the current CR document may **ETSI** comment:

use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does

not indicate acceptance of the change request.

4.3 **Modifications**

ts_GSM_RegistrationWithoutRRConreq 4.3.1

TTCN object	ts_GSM_RegistrationWithoutRRConreq
Reference ATS	IR_U_wk23.mp [1]
Change Label	RACAL#IR_U_0101
Reason for change	As per 10.5.2.30 of 44.018 the RFN value passed to the UE in Immediate Assignment should be same as the RFN on which Channel Request was received.
Summary of change	Changed the paramter to the constraint cs_ImmediateAssignment from c_G_RFN_Omit to tcv_RR_RFN
Other affected objects	
ETSI comment	
Racal conclusion	

t_CompleteRRConn	ection	
7	<pre>(trv_RR_RA := (BIT_TO_INT (trv_ChRequest estCauRan domRef)))</pre>	
В	G_L21G_L2_UNITDATA_REQ	cas_G_L2_UNITDATA_REQ (p_C ellid, tsc_PhycRd, 3, 15, tor_RR_R FN, cs_ImmediateAssignment (to v_G_CellConfigInfo.bCCH_Freq , to v_RR_RA(_tor_RR_RFN)))
9	START (_T3101	

Changes referred to from previous CRs 4.4 N/A

5 Branches executed in test case 6.2.1.1

Test case was executed with pc_AccessTechPriSuppInHPLMNwACT set to FALSE.

6 Execution Log Files

The Nokia 3G UE 7600 and Qualcomm 6200 passed this test case in CS mode on the Racal Instruments Wireless Solution 6401 AIME/CT ISHO Test platform. Logs of the successful test case execution are available on request directly from Racal Instruments.

7 References

[1] IR_U_wk23.mp ETSI IR_U_wk23 ATS version of week 23.

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Title:	Ж		ised C 04032		Addition o	of P2 te	est case	6.2.1.	.6 to	IR_U ATS v	3.5.1	(Revision	of
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					ons of the TR 21.900		categorie	s can		Rel-4 Rel-5		ease 4) ease 5)	
		De IC	Juliu III	3011	111 21.900	<u>.</u>				Rel-6		ease 6)	
Reason for ch	nange	<i>:</i> #											
										as been test		sing iWD-	TVB2003-
			U3_D	J4WKZ	3 and ou	tstandi	ng comr	nents	nav	e been resol	vea.		
Summary of c	chang	e: #	This o	docum	ent lists a	all char	nges app	olied to	o tes	t case 6.2.1.	6 req	uired for a	approval.
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7-7-													
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How to create CRs using this form:

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

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

Title: Changes to test case 6.2.1.6 required for approval

Source: Racal Instruments Wireless Solutions, an Aeroflex Company

Document for: Email Approval

Contact: Kundan Sehmbey

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1 Overview

This document gives details of the changes made to TTCN implementation for test case 6.2.1.6, which is part of IR_U_wk23 test suite. Minimum changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

1	Overview						
2	Tab	le of Contents	4				
3	Veri	ification Test Summary	5				
4	Cor	rections required for test case 6.2.1.6	5				
	4.1	Introduction	5				
	4.2	Presentation of the modifications	5				
	4.3	Modifications	6				
	4.4	Changes referred to from previous CRs	7				
5	Brai	nches executed in test case 6.2.1.6	8				
6	Execution Log Files						
7	Refe	References8					

3 Verification Test Summary

Test Case: tc_6_2_1_6

Test Group: IR_U_wk23/ DualIdleMode /

ATS Version: IR_U_wk23 + modifications

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

UE used: Nokia 3G UE 7600 and Qualcomm 6200

Verification Status: PASS

4 Corrections required for test case 6.2.1.6

4.1 Introduction

This documents lists the changes made to test case 6_2_1_6 to make it work with 3G UE. The changes made are given a change label and are explained in the following session.

The TTCN ATS used is IR_U_wk23.mp which is part of the iWD-TVB2003-03_D04wk23 release. The agreed changes/comments described in T1s040327, (the original CR to introduce this test case), have been implemented by MCC160 in iWD-TVB2003-03_D04wk23.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	tc_6_2_1_6
Reference ATS	IR_U_wk23.mp [1]
Change Label	RACAL#IR_U_0101
Reason for change	<textual change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Racal conclusion	

TTCN object: Identifier(s) of one or more TTCN objects having a global context in the

TTCN ATS. Typically only one TTCN object occurs. More than one object is

listed only, when:

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

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

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

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the

current change description applies.

Change Label: Textual identifier starting with the fixed string 'RACAL#IR_U', followed by a

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

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

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

Other affected objects: List of one or more fields, pointing to other TTCN objects having assigned

the same Change Label, i.e. all other objects being affected by the problem-

giving rise to the current Change Label.

ETSI comment: ETSI colleagues giving a dedicated reply to the current CR document may

use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does

not indicate acceptance of the change request.

4.3 Modifications

N/A

4.4 Changes referred to from previous CRs

Change Label	Change title
RACAL#IR_U_0101 [T1s040345]	ts_GSM_RegistrationWithoutRRConreq

5 Branches executed in test case 6.2.1.6

Test case was executed with pc_AccessTechPriSuppInHPLMNwACT set to FALSE.

6 Execution Log Files

The Nokia 3G UE 7600 and Qualcomm 6200 passed this test case in CS mode on the Racal Instruments Wireless Solution 6401 AIME/CT ISHO Test platform. Logs of the successful test case execution are available on request directly from Racal Instruments.

7 References

[1] IR_U_wk23.mp ETSI IR_U_wk23 ATS version of week 23.

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

CHANGE REQUEST								
*	34.123	-3 CR	372	жrev	- #	Current vers	3.5.1	¥
For <u>HELP</u> 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								
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Title: # Addition of RRC test case 8.4.1.40 to RRC ATS V3.5.1								
Source: Rohde&Schwarz								
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Reason for change: # To add verified GCF package 3 RRC test case 8.4.1.40 to the approved RRC ATS V3.5.1								
Summary of change: # This document lists all changes applied to test case 8.4.1.40 required for approva							approval.	
Consequent not approve		The Test ca	ase will not be	added to t	he ATS			
Clauses aff	ected: #	N/A						
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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 \$\mathbb{X}\$ 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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004

01 Jan - 31 Dec 2004

Title: Changes to test case 8.4.1.40 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

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1 Overview

This document is a new CR on RRC test case 8.4.1.40. It lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.40 which is part of the RRC test suite.

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

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3 Verification Test Summary

Test Case: tc_8_4_1_40

Test Group: RRC_Measurements/

ATS Version: IR_U_wk23.mp

System Simulator used: Rohde & Schwarz 3G system simulators

CRTU-W and CRTU-G

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 8.4.1.40

4.1 Introduction

This CR presents RRC Measurements test case to 8 4 1 40 for approval.

The last ATS provided by MCC160 which contains GCF package 1 to 3 RRC_Measurements test cases is IR_U_wk23.mp [2]. The ATS enclosed in T1s040353.zip [1], specifying the modified test case tc_8_4_1_40 presented for approval, contains only material from this ATS.

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

- a) If the changes are explicitly described in this CR, and the related TTCN objects **are contained** in IR_U_wk23.mp [2], the change description refers to this ATS;
- b) All other change labels (if present) refer to proposals for new TTCN Objects.

The reference ATS from which the object has been taken and to which the described change refers, is indicated for each TTCN object to be changed. Annex A contains a table listing all change label/affected object combinations, as well as their reference ATSs.

4.2 Presentation of the modifications

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

In addition, if the **reason for a change** cannot be expressed in a few table lines, particular subclauses of clause 4 may be generated for 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_4_1_40
Reference ATS	IR_U_wk23.mp [2]
Change Label	WA#2G3RRC0110
Reason for change	<textual change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	<goto change="" descriptions="" fields="" other="" to=""> (optional)</goto>
ETSI comment	
R&S conclusion	

TTCN object: Identifier(s) of one or more TTCN objects having a global context in the

TTCN ATS. Typically only one TTCN object occurs. More than one object is

listed only, when:

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

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

way; and

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

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the

current change description applies.

Change Label: Textual identifier starting with the fixed string 'WA#2G3RRC', followed by a

4-digit number (e.g. WA#2G3RRC0110). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.

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

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

Other affected objects: List of one or more GOTO fields, pointing to other TTCN objects having

assigned the same Change Label, i.e. all other objects being affected by the

problem giving rise to the current Change Label.

ETSI comment: This field may be used by ETSI colleagues giving a dedicated reply to the

current CR document. Otherwise it is filled by the R&S 2G3 group when

another kind of response is received from ETSI.

R&S conclusion: Filled by the R&S 2G3 group when the ETSI answer does not indicate

acceptance of the change request.

4.3 Modifications inside the tc_8_4_1_40 behaviour table

4.3.1 tc_8_4_1_40

TTCN object	tc_8_4_1_40
Reference ATS	IR_U_wk23.mp [2]
Change Label	WA#2G3RRC0287
Reason for change	Wrong CellId (tsc_CellDedicated) in CPHY_RL_Modify_REQ.
Summary of change	Replace tsc_CellDedicated by tsc_CellA.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0288
Reason for change	The reconfiguration of the physical layer on SS is not synchronized with the reconfiguration on the UE side, therefore SS and UE will go out of syncronization.
Summary of change	In constraint c_DPCH_CompressedModeStatusInfoActive_TGPSIList used for CPHY_RL_Modify_REQ, change actual value for parameter tgps_Reconfiguration_CFN from OMIT to tcv_TGPSRFCN.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0289
Reason for change	The TC sends CPHY_RL_Modify_REQ but cannot receive CPHY_RL_Modify_CNF; moreover on the SS side the compressed modes for uplink and/or downlink are not activated according to the PIXIT settings.
Summary of change	Add a line for the reception of CPHY_RL_Modify_CNF, make activation of compressed mode for uplink and/or downlink on SS side dependent on the PIXIT settings.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0290
Reason for change	In It_Step2_To4_WithCompMode tcv_TGPSRFCN is not initialized according to TS 34.123-1.
Summary of change	Assigned proper value to tcv_TGPSRFCN according to TS 34.123-1.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0299
Reason for change	The wait timer is initialized to 160 ms instead of 1.6 s as the prose demands, therefore the UE does not get sufficient time to send a measurement report.
Summary of change	Change timeout value from 160 to 1600.
Other affected objects	
ETSI comment	
R&S conclusion	
	·

Court 6	Cape id		Case	_	
		telegrape: RRC Measurements			
wpe	rsec	This test case to applicable to only UEs supporting both FDD and OSM, and which regulated to the control of the	ised mode pattern as specified in the MEASUPEMENT CONTROL me is triggered, and if the quality of the other system becomes better than	the r	green throughold for event to.
comit	ganetice	13s has not been fulfilled.	OC IN A CONTRACTOR OF THE PROPERTY OF THE PROP		Control of Figure 2 of the Agent St
Serfac		RRC_Deft @BC_JUPP			
	Label	Seksiour Description	Constraint Ref	٧	Comments
		START (_Outed			
		[px_RAT=tid] +it_init/adjates			FOD specific behaviour
5		+ts_55_CreateCelDCH8sc_CelMI			Configure lower tester for call 5
•		-ts_GendDef_sysInfo_MultiCell (tsx_Cell#)			Sends the default system informati in CellS
		-ts_CreateCel_GGM(tsc_GGM_Cell9)			Maria Maria da Maria da Maria
		Bis_StiguatorPD > <_BigunterPD(TB, i_Stiguator_S0_1NcodDNT_T0_BITGor_Cellintox.) SequencyInto: modelspecificints totusefor_DL_141_NT_T0_BITCor_Cellintox_processions_10;			gost Thomas ER7777 stug
		178, i_StiquaterMeasParane30_MeasBsc_0_03easts_1.10089, 90090, 979, 0MIT0 15_SendOSMSystetidas_DSM_CellAbsc_PhyCell.gamonis.bscb.si2quates			gok Thomas ER7777 stug
		+ts_CreateCell_GGM(tsc_GGM_CellG)			
1		-ts_SeedOSMSysistotics_OSM_CellEtisc_PhyChO.gomonty.both,si2quater) -ts_SeedOSMSysistotics_CellA1			igisic Thomas ER???? single Intie Update and being UE to cell_D
					state and release the connection a
2		*ts_ToSteleMO_CG_6_8_PG_6_19045_11 (tsc_CeRA)			-
4		+8_TextSody +ps_CannectionAedSt_Rets			To release all the configured but no
					eleased cells
5		+8_PO_0_55_Paleases			To release all the configured but no eleased OSM rolls
	ERR1	[oc_RAT+std] [TRUG]			TOD specific behaviour
	(BON)	Incel			
9	186	(to_TestBody = TRUE) +to_ColouisteActTime (toc_CellA)			
20		+E_Step2_To4_WthCongetose			
21	1961	START (_WellS (10*108)) AH YRLO_AH DATA_ND	car_MeasurementReport(tsz_CellDedicated,	(2)	Initialize thewait, firser to 10 second fireport comes in this interval it fails
		AN THE CHECKEN COLD	tor_RBQ,	07	Tripos constitution and a state
22 1	1991	9 TIMEOUT t_Walking	cr_MessReportinberRatMess (*,*,*,*,*))	(P)	
4		[3x_0_CalinitisAdownlessPowerLenet=1st_0_DL_PewerLenet_3889F)			Step 5 in prood,
					initiatice parameters out history levels at time T1 can be configured
25		+ts_OSM_SelChFowerLenet(tsr_OSM_CellA, tsr_PhyCh6 , lov_0_CellinfsA.downlinkFowerLenet()			Changing the power level of OSM of A as given in Table at time T1
36		(tov_Tolerance = (2*48) + 55)			The grant of the state of
17		START (_WebbS (1600 + to:_Telemone)			Initialize thewait timer to 180ms seconds VM#203RRC0389
29	18F2	2 TIMEOUT LINGUIS -E_CheckFlaporForMultiCell		ற	Step 7 in prose
10		(trz_0_CellintsA.downlinisPowerLenet=trz_0_DL_PrwesLevel_3309F)			Step 6 in proce; Initialize parameters such that pow levels at time T2 can be configured
11		-to_GGM_GetCt-PowerLevel(toz_GGM_CetIA, toz_PtryChill, toy_G_CetIntSA downlinkPowerLevel()			Changing the power level of GGM (If A as given in Table at time T2
12		(for_0_cellintoA.sovinitrisPowerLevet=toc_0_0ti_PowerLevet_186MF)			Step 6 in proof;
					Initialise parameters such that pow levels at time T3 can be configured
13		+N_DSN_SetChPowerLavelChic_DSM_CettA, No_PhyChD , to _D_CetteRsA downtexPow			Changing the power level of OSM
34		START (WeMS (10" 1089)			II A as given in Table affirms T3 Initialize thewait, timer to 10 sectors
15 1	19F3	AN SRLC_AN_DATA_IND	car_MeasurementReport(toz_CellDedicated, tox_RBC.	(F)	If report comes in this interval it fail
			cr_MeasReportinberRetMeas (*,*,*,*,*))		
16 T	18F2	7 TIMEGUT (_WatMS +ts_C1_CheckCaliDCH_(Tisc_CellA)		(P)	Step 11 in preso;
				(P)	Note > Durnmy step used
Umit	Variable	(tx_TestSody = FALSE)		(P)	
99		-ts_PRC_intVariablesCS -ts_OSM_intVariables_TwoCells			Initialises the Variables depending
-		- NOVEMBER OF THE PROPERTY OF			n the OSM Band under usage For a
11		(tor_CellintoA > r_CellintoDef (tor_CellA, pr_PriScrmCode, tor_URA_telCellA, tor_CRWTI, pr_TCellA, tor_SFN_OffsetA, tor_FreeInfeltid, pr_UL_Screenbiling.			CHI.
		Code ()			
13		(doc_delimbo_abbessbort_avel = to_Cellimba_powepCP(CH+IO) doc_d_cellimba_neceste_ploCc_PLMnts_n_0_Cellimba_neceste_ploC.PLMnts_n_0_Cellimba_ eba_lisc_bts_LaC_PLMnt_ns_0_Cellimba_bowelsePowerLenetats_0_DL_PawerLenet_2088			Initiatize OCELL A Variable as the ti time demands;
4	Biv_0_Cellining was -biv_MCC_PLMX25v_0_Cellining was -biv_MXC_PLMX25v_0_Cell MB-01ac-biv_LAC_PLMX25v_0_Cellining soverimePowerLevel-biv_0_DL_PaveLevel_305M Trace servance:		@sic Thomas ER 1699 sic@ Instatzo OCELL B Variable as the 1 Lease Bernands; @sic Thomas ER 1699 sic@		
		F, Nr., O_CHIMOB ANT-NY_NCC_0, Sv_B_CHIMOB BYK - BX_BCC_20 Palestee			Government on testing
15		4po_GGM_GG_CellRelease(tsz_GGM_CellA)			G cell A switched of
		+po_08M_S8_CxiiRelease(ss_08M_Cell®) orFaMalSCell			O cell B owtered at
íī.		AM YRLO_AM_DATAUND	cer_MeasurementReport(for_CellDedicated, for_RealReportInterRedMeas (3 , QMIT , verifiedBSO : for_QSM_inte rRMT_CellA , verifiedBSO : for_QSM_interRMT_CellB, r_interRMTMc		Step 7 in proce
		CANCEL I, Walling	as_Everdflesuth3a_3b_3c_3d(e3c_tsc_05M_interEAT_Ce84())		

49	AM PRIC_AM_DATA_IND	cat_life acusementReport (trr_CellDedicated, trr_RS0; rr_MossReportriderRetMess (1 , OMT, verifiedDS0: trr_GSM_inte rSAT_CellD, verifiedDS0: trr_GSM_interSAT_CellA, c_interSATMe s_DevraResubtral, b_b_t_c_Dds(b_t_rc_GSM_interSAT_CellA);	1) Step 7 in proce
50	CANCEL (Webbs)		
51	Recont_CompresseModeActivate (ipc_interRAT_DL_CompressedRedeRequired) AND (pc_interRAT_UL_CompressedModeRe)		
	sited [i]		
52	AM I RLC_AM_DATA_REG	cas_PhyChiReconf() tsc_CeliPocicate() tsc_PBQ, tsd_PBQ, tsd_PBQChiReconfSpeechSventScCompMadeDL_UL () tsc_Celindints_di_integrityOneckdnts, tsc_PBC_Ti, tsc_AetTime, tsc_CelindaA sequencyInts, tsc_CelindaA sequencyInts, tsc_CelindaA sequencyInts, tsc_CelindaA se_SenenbingCode	Step 3 in proce; SS sends physical Channel Reconfiguration treasurate
53	CPHY1 CPHY_PL_Mode_PICG	ce_CompressedModeDPCH_Info_RDO (fits_CellA_fits_DL_DPCH1 ,fits_ActTime, c_DPCHells_DL(c_DL_DPCH4ele); c_DL_Cemmodelfatesbar_EnergicComplifiedOL_UL(fits_DL_DP CHL_BPC_Speeth), c_DL_DPCH_InfoPerfeedUnit(Nc_DL_DPCH_CellC_Speeth (D)	
54 55	CPHY 2 CPHY_RL_Modely_DEF CPHY 1 CPHY_RL_Modely_REQ	by, Compressed Model afte CHF (file, Cell A, file, DL, DFCHT). by, Compressed Model CPCH_Into_RSG (file, Cell A, file, UL_DPCHT). by, CTITime, c_DPCH Into_UL (b)_UL_DPCH_Into_RSC_UL_DPDCH_SF_Speech p0_UR_4 to_Cell Into Aut Scrambling Code (x)	
56	CPHY 9 CPHY_FL_Modily_CNF	ca_ConspressedModelnfsCNF (fax_CellA, fax_UL_DPCH1)	Otes Sin server
57 50	+ts_RRC_ReceivePtyCMReceitOrest Sto_Cett, (tv_RRC_RAB_Type) [pc_leterRAT_DL_CorreceivedModeRequired)]		Step 3 in proof;
59	AM FR.CAM_DATA_REG	cas_PtyChRecorf(tsc_GallDeclasted, tsc_R02, cds_PtyChRecordSpeechDvert3cCompModeDL.(toc_GallIndints_di_hategrityCheckdints_toc_PRO_TI, toc_GallIndints_Abequiencylints, toc_GallIndinApidSemiCode, toc_GallIndinApidSemiCode, toc_GallIndinApidSemiCode	Step 3 in proce; S5 sends physical Channel Records unable message
80	CPHYLOPHY_PL_Model_PICO	ce_CompressedModeDPCH_info_RBO (far_CellA, far_DL_DPCH1 , far_ArtTime,	
62	CPHY I CPHY_RL_Modely_REQ	ca_CompressedModeOPCH_info_RSO(fas_CellA_fas_UL_DPCH1 for_Acffline, c_DPCHinfo_UL_(do_UL_DPCH_info_fas_UL_DPDCH_SF_Speech pl0_84_fas_CellinfaAuScramblingCode(k)	
63	CPHY 1 CPHY_FL_Modilly_CNF	ca_CongressedModelafsCNF(tox_CellA,tox_UL_DPCH1)	
54	+N_RRC_ReceivePryCMrescelCreat Bisc_CellA, Nv_RRC_RAB_Type)		Step 3 in prood;
65 66	[gc_interRAT_UL_CompressedModeRequired]] AMTRLC_AME_DATA_REQ	cas_PtyChReconf (Step 3 in proces;
		tor_Cellbedicated, tor_RBQ, tor_RBQ, tor_RBQ, tor_RBQ, tor_Cellindinin_di_integrityChecklinin_tor_RBQ_Ti, tor_Cellindinin_di_integrityChecklinin_tor_RBQ_Ti, tor_Cellindix_BequencyInfe, tor_Cellindix_BequencyInfe, tor_Cellindix_BequencyCode, tor_Cellindix_BeguencyCode, tor_Cellindix_BeguencyCode	SS sends physical Channel Reconfiguration treasage
ST	CPHYLOPHY_RL_Modify_RDG	ca_CompressedModeDPCH_info_RDO (far_CellA, far_DL_DPCHH, far_ActTime, r_DFCHento_DL (r_DL_DPCHento (r_DL_cemenosistamentes) _ Evertic CompiledeUL (far_DL_DPCH 1_SPr_Sevenh (_DL_DPCH_intePerfedOLine (
60	CPHY 2 CPHY RL_Model_CHE CPHY I CPHY_RL_Model_REQ	cs_CompressedModelnfsCNF (sts_CellA, fts_DL_DPCH1) cs_CompressedModelDPCH_into_RSG (sts_CellA, sts_UL_DPCH1, its_Actions, c_DPCHinto_UL_(bu_LDPCH_into, gts_UL_DPCH_SF_Speech_pl0_B4, sts_UL_DPCH_GSF_Speech_pl0_B4, sts_UL_DPCH_GSF_Speech_pl0_B4, sts_United_sts_UL_(butter_gs_UL_Celland_sts_	
70	CPHY 1 CPHY_RL_Modity_CNF	ca_CongressedModelnfsCNF (fsx_CeliA, fsx_UL_DPCH1)	
71 72	+b_PRIC_ReceivePhyCoPtescelCreal Esc_Cells_for_PRIC_PARE_Type)		Step 3 in prood; (Spin Thomas DD 1535 pin/f)
	[TRUE] Tail_MithCompMode		@sic Thomas DR 1695 sic@
rs .	=I_PtyCt/frecent_CompressoMisdoNstvate		Step 2 in prooc; SS cends physical Channel Reconfiguration message
74 75	*bi_CeloulebelefTime (bix_Cellik) dov_TOPSRFON :=(bix_FrameNumber+(258-4 () MOD 258)		WM#203RRC0290
76	46_CPHY_TGCFN_256_256_256 (64_CHM)		THE PROPERTY WARD
TT	ARTITILO AM DATA PICO	pais_MoreourementControl (for_CellDedicated, Not_PEX. Not_PEX. Not_MoreourementControllsterPATMeas_EventSchWithConngMode (Nov_Cellstands), its paint (Not_PEX. J. Not_CellStands, its paint (Not_PEX. J. Not_CellStands, its paint (Not_PEX. EventSchtlatt (Not_PEX. Even	Step 4 in proce
78	\$3pt_InterRAT_DL_CompressedMadeRequired) AND (pt_InterRAT_UL_CompressedModeRequired)()	D .	VM#203RRC0289

79	CPHY CPHY_RL_Modily_RGG	ca_CompressedMode@tatustnto_REG (toc_CellA, toc_CL_CPCH1, t ov_AdTime.	VM#003RRC0087 VM#003RRC0080
		c_PCH_CompressedMedeShalusInfsActive_TGPSILint(tx_TGPSR FON_1,2,3, dx_TGGFN_252, tx_TGGFN_254, tx_TGGFN_250))	YMWEDOURSHCOURN
20	CPHY 1 CPHY_RL_Modity_CNF	cs_CompressedModelnfsCNF (fsz_CellA, fsz_DL_DPCH1)	VM#0G3RRC0389
ř1	CPHY1CPHY_RI_MISSY_REQ	ca_CompressedModedtrateInfo_PRO psc_CeRA_for_UP_DPCHT_ft or_Actifiens_ c_DPCH_CompressedIntoSedIntusIntoActive_TOPSILintpto_TOPSIR FOR_ft_23tor_TOCPst_252_tor_TOCPst_264_tor_TOCPst_350())	VM#203R9C0389
12	CPHY?CPHY_RL_ModBL_CNF	ca_CongressedModelnfsCNF (No_CellA, No_UL_DPCH1)	VM#203RRC0389
3	[pc_interflAT_DL_Compressed/findeflequired]		VMM20389100389
14	CPHY I CPHY_RL_Mode_RDQ	ca_CompressedMode/StatusInfo_RDO (toc_CellA, toc_DL_DPCH1, t cc_ActTime, c_DPCH_CompressedMode/StatusInfoActive_TOPSILint(toc_TOPSIR POM_12.3, doc_TOCPN_252, loc_TOCPN_254, loc_TOCPN_250.)	WM#203R9C0387 WM#203R9C0380
15	CPHY 9 CPHY_RL_Modify_CNF	ca_CompressedModelnfsCNF (fsr_CellA, fsr_DL_DPCH1)	WM#203RRC0389
26	[pc_interRAT_UL_CompressedMadeRequired]		VM#003RRC0389
57	CPHY1CPHY_RL_MOINS_REQ	ca_CompressedMolestatusinfo_FEO_dol_CeAA_fol_UE_DFCHT_t cc_actives_ c_DFCH_CompressedMolestatusinfactive_TOFSListatu_TOFSR FCM_t_23saToCFn_352_toc_TOCFN_364_toc_TOCFN_350())	AMM503MHC0380
55	CPHY T CPHY_RL_MORN_CNF	ca_ConspressedModelnfbCNF (Not_CellA, for_UL_DPCH1)	VMM203RPC0389

4.4 Other modifications relevant for tc_8_4_1_40

4.4.1 ts_CPHY_TGCFN_256_256_256

CPHT I CPHT, Frame, Namber, RED
CPHT I CPHT, Frame, Number, CHE
BY, FrameNumber , CPHT, Frame, Number, CHE StameNumber ,
CPHT, Frame, Number, CHE StameNumber ,
CPHT, 288 a (by FrameNumber-)256 (6) MOD 258)
(bit, 160Ft), 263 a (by FrameNumber-)256-157, MOD 268)
dist_TCFTH_254 = Bit, FrameNumber-)258-157, MOD 269)

LA. Far	Naviour Description	Constraint Plat	Comments
Comments: gl90_MAPT p_8Wise: is a	qual to th/10		
Defaults: 85_Def			
	se based os CHY frame number		
Test Sing Group Ref: General/			
Test Step ld: % OPHY_TOOFN_256_256	255 (a. Calife INTEGER)		
		Test Step	
R&S conclusion			
ETSI comment			
-			
Other affected objects			
Summary of change	Changed values so that they are according to TS 34.123-1 (in each case value 4 subtracted before taking modulus).		
Reason for change	The values assigned to tcv_according to TS 34.123-1 for	TGCFN_250, tcv_TGCFN_252, tcv_T · tc_8_4_1_40.	GCFN_254 are not
Change Label	WA#2G3RRC0300		
Reference ATS	IR_U_wk23.mp [2]		
TTCN object	ts_CPHY_TGCFN_256_256	_256	

cas_GelFrameNum(s_Gellid, tor_DL_DPCH1) car_GelFrameNum(s_Gellid, tor_DL_DPCH1)

Changes referred to from previous CRs 4.5 N/A

5 Branches executed in test case 8.4.1.40

The test case was executed for the GSM 900 band in Combined Attach (CSPS) Mode with Integrity activated and Ciphering disabled. UL and DL compressed modes were activated.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case in Combined Attach (CSPS) mode on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G, on the 900 MHz band, UL and DL compressed modes activated. The documentation below is enclosed as evidence of the successful test case run T1s040353.zip [1]:

- a) TTCN ATS containing modified tc_8_4_1_40 (RRC_8_4_1_40.mp).
- b) Execution log files 8-4-1-40-CSPS-UL-DL-compmode-PASS\Index.html
 This execution log files in HTML format show the dynamic behaviour of the test's Combined
 Attach (CSPS) branch, executed on the 900 MHz band with UL- and DL-compressed mode
 activated, 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.
- c) PICS/PIXIT file TC_8_4_1_40_CSPS_900_Pics_Pixit.txt

 Text file containing all PICS/PIXIT parameters used for Combined Attach (CSPS) testing, executed on the 900 MHz band with UL- and DL-compressed mode activated.

7 References

[1]	T1s040353.zip Archive comprising HTML Execution log files, PICS/PIXIT files and the TTCN MP file for the current CR (supplementary information).
[2]	IR_U_wk23.mp ETSI RRC ATS version of week 20 (2004).

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#2G3RRC0287	tc_8_4_1_40	IR_U_wk23.mp [2]
WA#2G3RRC0288	tc_8_4_1_40	IR_U_wk23.mp [2]
WA#2G3RRC0289	tc_8_4_1_40	IR_U_wk23.mp [2]
WA#2G3RRC0290	tc_8_4_1_40	IR_U_wk23.mp [2]
WA#2G3RRC0299	tc_8_4_1_40	IR_U_wk23.mp [2]
WA#2G3RRC0300	ts_CPHY_TGCFN_256_256_256	IR_U_wk23.mp [2]

CHANGE REQUEST			
[♯] TS 3	4.123-3 CR 373		
For <u>HELP</u> on t	sing this form, see bottom of this page or look at the pop-up text over the 光 symbols.		
Proposed change	affects: UICC apps光 ME Radio Access Network Core Network	(
Title: ¥	Addition of RRC Package 3 test case 8.4.1.33 to IR_U ATS V3.5.1		
Source: #	Anite		
Work item code: ₩	N/A Date: 第 22/06/04		
	B Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
Reason for change	To add verified GCF package 3 RRC test cases 8.4.1.33 to the approved RRC ATS V3.5.1		
Summary of chan	This document lists all changes applied to test cases 8.4.1.33 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 Test specifications V O&M Specifications X O&M Specifications	ail	
Other comments:	\mathbf{x}		

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 \(\mathcal{X} \) 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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004

T1s040285

01 Jan - 31 Dec 2004

Title: Changes to test cases 8.4.1.33 required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 8.4.1.33, 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.

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3 Verification Test Summary

Test Case: TC_8_4_1_33

Test Group: RRC/RRCMeasurements

ATS Version:

System Simulator used: Anite MultiRAT CT

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test cases 8.4.1.33

4.1 Introduction

This section describes the changes required to make test cases 8.4.1.33 run correctly with a 3G UE. The ATS version used as basis was IR_U_wk20.mp, which is part of the iWD-TVB2003-03_D04wk20 release.

4.2 Change 1

Local Tree and Test step Local tree It_Step2_To4_WithOrWithoutCompMode of tc_8_4_1_33		
Reason for change	The TGPSRFCN value should not be set to OMIT while doing SS side CPHY_RL_Modify_REQ after Measurement Control Message for UEs required Compress Mode	
Summary of change	tcv_TGPSRFCN is passed as per parameter to the constraint c_DPCH_CompressedModeStatusInfoActive_TGPSIList for SS side RL modification.	

Before:

S	CPHY! CPHY_RL_Mode_REQ	cs_Compressed/inde@tabusinfs_RSO() tist_Cells_Nc_DL_DPCH1, tor_Actines, c_DPCH_Compressed/inde@StabusintoA dive_ToPSLinkOMT, 1,2,3, tor_ToCFN _252, tor_TOCFN_254, tor_TOCFN_250))	
6	CPHY 7 CPHY_FIL_Hoddy_CNF	cs_CompressedRedeInfoCNF (fac_Cell A_fix_DL_DPCH1)	
0	[TRUE]		@six Thomas ER 1900 six

After:

Detailed Comment			
0	[TRUC]		@sic Thomas ER 1605 sicg
6	CPHY 1 CPHY_RL_MUSY_CNF	ca_CampressedModerateCPVF (1se_Cettl A_tsc_DL_DPCH1)	
		C_DPCH_CompressedMode860, station cite_TOPSLindian_TOPSRICN[1,2,3, tov_TOCFN_282-tov_TOCFN_284, tov_ TOCFN_280]]	
5	CPHY1CPHY_RL_Modity_REQ	cs_CompressedModeStatusInfo_REG (for_CellA, tso_DL_DPCH1, tov_Atffires,	

4.3 Change 2

Local Tree and Test step	Constraint cs_MeasurementControlInterRATMeas_Event3aWithCompMode
Reason for change	The second measurement control message contains the BCCH ARFCN value "2" for GSM Cell_3 is wrong.
Summary of change	BCCH ARFCN should be set to 39
Source of change	New change

Before:

```
ASN.1 POU Constraint Declaration
                                                                          cs_MeasurementControlInterRATMess_ExenDsWithCompRede()
s_integrityInto:IntegrityChecklists;
s_integrityInto:IntegrityChecklists;
s_integrity_IntersectionIdentifier;
s_integrity_Intersect_Chr:ToPS_Reconfiguration_CFN;
s_Tgcts_252:TGCFN;
s_Tgcts_252:TGCFN;
s_Tgcts_250:TGCFN;
 Constraint Name
Onesic
PDU Name
Derivation Path
Encoding Rule Name
Descripting Rule Name
Encoding Variation
Descripting Variation
Descripting Variation
                                                                           DL_DCCH_Message
                                                                             ggIC_NAPP Measurement Control Command to start inter RAT measurement; UE is in CellA and CellS has to be measured
     integrityChecklnfo.p_integrityInfo.
    recipie, this kind, pregraphic, message measurementCertor (-12) 
measur
               interFATCellinfoList
                   sensovedinterRATCellList removeAlinterRATCells::NULL,
seventerRATCellList
                         interforToeliD toc_OSM_interforT_CellA,
technologySpecificinto gam :
                             cellSelectionRecelectionInto CMIT, interffATCellindredualOffset, interffATCellindredualOffset, interffATCellindredualOffset,
                             beic
                               bee 1
                            frequency_band dis1800BandUsed,
bech_ARFCN1,
                              Gurnny OMT
                              interRATCelliD tsr_GSM_interRAT_CellB,
                             technologySpecificinto gsm
                                cellSelectionResolectionInfo OMIT,
interPATCellIndividualOffset.tsc_InterPATCellIndividualOffset,
                                bsic
                                     nee 0,
                                    bcc 2
                                frequency_band dcs1800BandUsed,
brich_ARFCN 7,
dummy OMT
                            interRATCell Diss_DSM_interRAT_CellO,
technology@pecificinto.gsm:
                                cellSelectionReselectionInfo OMT,
interRATCellInsiNisualOffset.tsc_InterRATCellIndividualOffset,
                                 beid
                                     nce 0.
                                   frequency_band dcs1000@andUsed,
                                 both_ARFON 2,
                                   dummy CHET
```

After:

```
op_MeasurementControllaterRATMeas_ExentSolvition,
p_lintegrityThe : IntegrityChestMent;
p_RRC_TR RRC_Transaction/destRent;
p_measit_NewstaerRAT_INTEGER;
p_Tgpt_Recort_Chi: TGPR_Recontiguration_CFN;
p_Tgct_252: TGCFN;
p_Tgct_254: TGCFN;
p_Tgct_250: TGCFN;
  constraint Name:
                        cs_MeasurementControlinterRATMeas_Event3st/filthComplifiede (
Oreac
PDU Name: DL_DOCH_Mess
Denvelon Palis
Escoting Male Name: PDR_Unaligned
Escoting Wardon:
                        DL_DOOH_Message
                        @GIC_NAPP Measurement Control Command to start inter RAT measurement, UE is in CellA and CellB has to be measured
  integrityCheckinfo.p_IntegrityInfo.
  reessage measurementControl : r2:(
measurementControl_r2:(
mc_Transactionidentifier p_RRC_TI,
   mossworrentidentity p_mossit_NowinterFAT, measurementCommand setup: interFATMeasurement.
     interRATCellinfoList
      sere overdinter RATC eliList nemove Allinter RATC ells : NULL, sewinter RATC eliList
        interRATICellD toc_06M_interRAT_CellA, technologySpecificInto gam :
         cellSetectionPleserectionIntlo CMIT,
interRATCellIndividualOffsettsc_InterRATCellindividualOffset
         bsic
         nce 0,
bcc 1
         frequency_band dos1800@andUsed,
back_ARFCN1,
dummy OMIT
              interRATCellID tsc_GSM_InterRAT_CellB,
              technologySpecificInfo gsm:
                cellSelectionReselectionInfo OMIT,
                interRATCellIndividualOffset tsc_InterRATCellIndividualOffset,
                bsic
                  ncc 0,
                  bcc 2
                frequency_band dcs1800BandUsed,
                bcch_ARFCN 7,
                dummy OMIT
            },
              interRATCellID tsc_GSM_InterRAT_CellC,
              technologySpecificInfo gsm :
                cellSelectionReselectionInfo OMIT,
                interRATCellIndividualOffset tsc_InterRATCellIndividualOffset,
                bsic
                  ncc 0,
                  bcc 3
                frequency_band dcs1800BandUsed,
               bcch_ARFCN 39,
                dummy OMIT
              }
            }
```

Branches executed in test case 8.4.1.33

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

5 Execution Log Files

5.1 Nokia 3G UE 7600

The Nokia 7600 passed this test case on the Anite MultiRAT CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

6 References

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

CR-Form-v7				
CHANGE REQUEST				
[≆] TS	34.123-3 CR 374 # rev - # 0	Current version: 3.5.1		
For <u>HELP</u> or	using this form, see bottom of this page or look at the	pop-up text over the 光 symbols.		
Proposed chang	e affects: UICC apps第 ME Radio Acc	cess Network Core Network		
Title:	Revised CR for addition of GCF P3 test case 16.1.2 Revised CR for addition of GCF P3 test case 16.1.2 Revised CR for addition of GCF P3 test case 16.1.2	to SMS ATS V3.5.1		
Source:	策 Rohde & Schwarz			
Work item code:	₩ <mark>N/A</mark>	Date: 第 22/06/2004		
Category:	Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
Reason for change: To add verified GCF package 3 SMS test case 16.1.2 to the approved SMS ATS V3.5.1. The original version of this CR was commented by Sasken regarding the length of SMS messages which should be of maximum length (according to the prose). Summary of change: This document lists all changes applied to test case 16.1.2 required for approval. See detailed change description for further information.				
Consequences in not approved:	Test case will not be added to ATS			
Clauses affected	:			
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications			
Other comments	· *			

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

- downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004

T1s040360

Jan - 31 Dec 2004

Title: Changes to test case 16.1.2 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 16.1.1 which is part of the SMS 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.

The present revised version contains additional workarounds (clauses 4.5 - 4.11) which are motivated by a comment from Sasken which claimed that short messages to be sent by the UE must have maximum length.

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3 Verification Test Summary

Test Case: TC_16_1_2

Test Group: SMS/CS_Mode/

ATS Version: iWD-TVB2003-03_D04wk15 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 16.1.2

4.1 Introduction

This section describes the changes required to make test case 16.1.2 run correctly with a 3G UE. All modifications are marked with label "WA#SMS<number>" for SMS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was SMS_wk15.mp which is part of the iWD-TVB2003-03_D04wk15 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 16.1.2:

WA#SMS1035, WA#SMS1037.

4.2 tc_16_1_2 (WA#SMS1042)

Test case name tc_16_1_2

Reason for change Incorrect ASP type used as the message is expected only after U10 has been

entered

Source of change New Change Label WA#SMS1042

It_Twice	eSMS		
36	+ts_NAS_Delay(tsc_TWait1Sec)		
37	+ts_SMSCS_SetupMT_U10		Step 46
38	+ts_AT_InitSMS_MO		Step 47
39	Dc?RRC_DataInd	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cd_CM_ServReqShortMsg (tcv_CS_KeySeq))	Step 48 CM Service Request @sic EW ER 1599 s c@ WA#SMS1042
40	Dc!RRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_CM_ServAcp)	Step 49 CM Service Accept @sic EW ER 1599 s c@

4.3 ts_SMSCS_SetupMT_U10 (WA#SMS1041)

Test step name ts_SMSCS_SetupMT_U10

Reason for change The cell config type is used by a test step called within

ts_CC_EnterU10_MT_Def.

Summary of change tcv_CellInfoA.cellConfig set to cell_DCH_StandAloneSRB_NoConn

Source of change New Change Label WA#SMS1041

Test Step					
Test Step Id:	ts_SMSCS_SetupMT_U10				
Test Step Group Ref:	SMS_Steps/				
Objective:	To bring the UE into state U10.				
Defaults:	NAS_OtherwiseFail				
Comments:	To bring the UE into state U10 to set up a	a mobile terminated SMS (connection		
Nr Label Behaviour Description Constraint Ref		Verdict	Comments		
1	(tcv_CellInfoA.cellConfig := cell_			1.	
	DCH_StandAloneSRB_NoConn			WA#SMS1041	
)				
2	+ts_CC_EnterU10_MT_Def(tsc _CellA)			2.	

4.4 ts_AT_CPMS (WA#SMS1043)

Constraint name ts_AT_CPMS

otherwise does not delete the short messages stored in SM.

Summary of change 2 x use SM instead of ME

Source of change New Change Label WA#SMS1043

It_AT_In	it	
77	*ts_AT_CSMS	Set SMS mode
78	+ts_AT_CPMS(sm,sm,mT)	Set Preferrred memory to * SM*, "SM*, "MT* @sic EW ER 1527 sic@ WA#SMS1043
79	+ts_AT_CMGF	Set Text Mode
80	+ts_AT_CSCS(""GSM"")	Set Character Set "GSM"
81	+ts_AT_CMGD_AII	Delete message storages
82	+ts_AT_CSCA(==222222222==, 129)	Set service center address @sic EW ER 1521 sic@
83	+ts_AT_CMGW(Write message with index 1 to memory @sic EW ER 1521 sic@

4.5 px_MaxNumOfChars (WA#SMS1092)

Test suite parameter px_MaxNumOfChars

name

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change Introduce new PIXIT item to hold the max. number of characters in an SM.

Source of change **New Change** Label WA#SMS1092

px_MaxNumOfChars	INTEGER	PD	XIT Table B.4	max. number of characters in a MO SMS VVARSMS1092
				VAFSMS1092

4.6 tsc_Fox (WA#SMS1092)

Test suite constant

name

tsc_Fox

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change Introduce a string constant as long as a maximum length SM.

New Change Source of change WA#SMS1092 Label

tsc_Fax	M5String	"The quick brown fox jumps over the lazy dog's Fox String of maximum SMS length of 16
		back, Kauten Sie Ihrer Frau vier beguerne Pei 0 characters ze 0123456789 - THII QUICK BROWN FOX J WA#SM\$1092 UMPS OVER THE LAZY DOG'S BACK.*

4.7 cr_TP_SUBMIT_02 (WA#SMS1092)

Constraint name cr_TP_SUBMIT_02

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change To hold a maximum length SM submitted by the UE.

Source of change New Change Label WA#SMS1092

		Structured Type Cons	traint Declaration		
Constraint Name:	or_TP_SUBMIT_02	v TP SUBMIT 02			
Group:					
Type Name:	SMS_SUBMIT				
Derivation Path:					
Encoding Variation					
Comments:	MO SMS with maximum VAPSMS1092	n amount of user data			
Elem	ent Name	Element Value	Type Encoding	Comments	
tP_ReplyPath		7			
tP_UD_HeaderInd		?			
tP_StatusRptReq		?			
tP_ValPeriodFrmt		9			
tP_RejDuplicates		9			
tP_MagTypeInd		101 B			
tP_MspRef		7			
tP_DestAddr		cr_TP_DestAddr01			
tP_Protid		c_TP_ProtidD1			
tP_DataCodingSch	ieme	t_TP_DC8_01			
tP_ValPeriodRel		9			
tP_VaiPeriodAbs					
tP_ValPeriodEnh	_				
tP_UD_Len		o_InfToOct(px_MacNumOfChars;			
tP_UserData		9			

4.8 cr_RP_UserData03_lv (WA#SMS1092)

Constraint name cr_RP_UserData03_lv

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change To hold a maximum length SM submitted by the UE and caught with

cr_TP_SUBMIT_02.

Source of change New Change Label WA#SMS1092

	Structured Type Con	straint Declaration	
Constraint Name: cr_RP_UserData03]_h		
Group:			
Type Name: RP_UserData_lv			
Derivation Path:			
Encoding Variation:			
Comments: VO#SMS1092			
Element Name	Element Value	Type Encoding	Comments
iel	7		
IP_COMMAND	-		
tP_DELIVER			
P_DELIVER_REPORT			
1P_SUBMIT	Cr_TP_SUBMIT_02		
P_SUBMIT_REPORT			
IP_STATUS_REPORT			

4.9 cr_ RP_DATA_02 (WA#SMS1092)

Constraint name cr_RP_DATA_02

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length

Summary of change To hold a maximum length SM submitted by the UE and caught with

cr_TP_SUBMIT_02 and cr_RP_UserData03_lv.

Source of change New Change Label WA#SMS1092



4.10 ts_AT_CMGW (WA#SMS1092)

ts_AT_CMGW Test step name

Reason for change

A comment from Sasken which claimed that short messages to be sent by the UE must have maximum length. A $3^{\rm rd}$ parameter needed

to pass the SM to be sent to the AT command.

Parameter containing the SM added, and all of it constructed in the AT Summary of change

command including delimeters.

Source of change **New Change** Label WA#SMS1092

	l e:	t Step					
ts_AT_CMGW(p_D AT_Steps/	OA: IASString; p_TODA: INTEGER; p_Str: IASS	tring)					
UT_OtherwiseFail							
Comments: The TP Destination Address is set to p_DA by using the AT command "CMGW" The string to be sent as the message to be stored by the UE is determined by p_Str. VAA#SMS1092							
Label	Behaviour Description	Constraint Ref	Verdict	Comments			
	+It_BuildAT_Cmd						
	Ut1AT_CmdReq	ra_AT_CmdReq (tov_AT_Cmd)		1.			
	Ut ? AT_CmdCnf(tov_AT_Cmd := AT_ CmdCnf.resultString)	ra_AT_CmdCnfWithString		@sic EW ER 1529 sic@			
	(tov_Res := o_CheckStringStartWith (tov_AT_Cmd , "+CR>+LF>+CMGN("))			2.			
rsp	[tcv_Res]		(P)				
rsf	[NOT tov_Res]		(F)				
	(by_IA5_String1 = o_ConcatStrg("AT+CM6W=", p_DA9)			3.			
	dxv_IA5_String2 := o_ConcatStrg(o_IntToIA5(p_TODA, 300)			4.			
	(lov_IA5_String1 = o_ConcatStrg(lov_IA5_String1, lov_IA5_String2)			5.			
	drv_M6_Stringt := o_ConcatStrg(tov_M6_String1, 1=CR>*1)			6.			
	(lcv_IA5_String1 >= o_ConcatStrp(tcv_IA5_String1, p_Str))			7.			
	(tov_AT_Cmd >= o_ConcatStrg(tov_IA5_String1, "*ESC>*CR>"())			8.			
	To write message UT_OtherwiseFail The TP Destinate The TP Destinate The TP Destinate YAAPGMS1692 This test step has Label	To write message to Preferred message store UT_OtherwiseFail The TP Destination Address is set to p_DA by using the AT contine string to be sent as the message to be stored by the UE is WARRANS1892 This test step has to be adapted to px_MacNumOfChars < 160 Label Behaviour Description +It_BullsAT_Cmd Ut 1AT_CmsReq Ut 2 AT_CmsReq Ut 2 AT_CmsReq (kv_Res >= o_CheckStringStartWith (tv_AT_Cmd, *<0R* <uf>*CR*<uf>*CMSW**) BP [tv_Res] (kv_Res >= o_ConcatStrg(*AT+CMSW**, p_DW) drv_M5_String1 := o_ConcatStrg(*AT+CMSW**, p_DW) (kv_M5_String1 := o_ConcatStrg(tv_M5_String1, tv_M5_String1) (kv_M5_String1 := o_ConcatStrg(tv_M5_String1, tv_M5_String1) (kv_M5_String1) (kv_M5_String1, tv_M5_String1, tv_M5_String1, tv_M5_String1, p_String1, p_</uf></uf>	To write message to Preferred message store UT_OtherwiseFail The TP Destination Address is set to p_DA by using the AT command "+CMOW" The string to be sent as the message to be stored by the UE is determined by p_Str. WARRINS1992 This test step has to be adapted to ps_MacNumOfChars < 160 IB Label Bshariour Description Constraint Ref +It_BuilsAT_Cmd Ut !AT_CmsReq ca_AT_CmsReq (to_AT_Cmd } Ut !AT_CmsReq ca_AT_CmsConfWithString CmdCmfresuitString) (10v_Rise > a_CheckStringStarfWith (to_AT_Cmd	To write message to Preferred message store UT_OtherwiseFail The Probabilities is set to p_DA by using the AT command "CMOW" The string to be sent as the message to be stored by the UE is determined by p_Str. **WAMEMSTEG2** This test step has to be adapted to ps_MaxNumOfChars < 160 III **Labet** Behaviour Description** UI_IAT_Cmd			

4.11 tc_16_1_2 (WA#SMS1092)

Test case name tc_16_1_2

Reason for change A comment from Sasken which claimed that short messages to be

sent by the UE must have maximum length.

Newly created constraint cr_RP_DATA_02 and modified test step ts_AT_CMGW used. Summary of change

Source of change New Change Label WA#SMS1092

IL_SMS_1		
41	Dc?RRC_Dataind car_UplinkDirectTransf tac_CellDedicated, tac_R84, trv_TI_1_S.tiVal := tov_CP_Datait.tiVal, cr_CP_DATA_03; trv_RP_MagRef := trv_CP_Data.cP_Us cr_RP_DATA_02()) orData_rP_DATA_rP_MagRef)	(en) Steps 10 f 60 CPDATA / RP_DATA / SMS_1 UENIT (uan) VWWPSMS 1092

E_SMS_3(p_1	Time: INTEGER)				
48		De?RRC_Dataind	car_UplinkDirecfTransfer(bsc_CeifDedicated, bsc_RB4, or_CP_DATA_03(or_CP_UserData03(or_RP_DATA_02)))		Steps 27 / 60 CPDATA / RP_DATA / SMS_S UBMT (ue→r) WA#SMS <mark>1092</mark>
49		(tcv_CP_DataRetx = 0)			
50		REPEAT it_SMS_6 UNTIL (tov_CP_Da taRetx = px_MaxCP_DataRets)			Steps 28-30 / 61-63 MC-SM is retransmitted
51		START (_LowerBound()cv_TTC1Mmin * p_Time)			
52	TBF2	Ds9RRC_DataInd	car_UplinkDirecfTransfer(tac_CellDedicated_ tac_RB4, or_CP_DATA_03(or_CP_UserData03(or_RP_DATA_02)))	(F)	CPDATA / RP_DATA / SMS_S UBMIT (ue→n) shall NOT be sent more than px_MaxCP_Data Retx times WA#SMS1092

It_SMS_4			
66	(tcv_CP_Data := RRC_Dataind.msg, tcv_TL_1_8.ftVal := tcv_CP_Data.ft.ftVal,	cr_CP_UserData03(Step 42 CPDATA/RP_DATA/SMB_S UBMIT (us-+ri) WarRSMS1092
57		ca_DataReq(tsc_CelDedicated, tsc_R84, cs_CP_ERROR(tsv_TL_B))	Step 43 CPERROR (ti->ue) "Network Failure"
ILSMS_5			
48	tov_CP_Data := RRC_Dataind.msg, tov_TI_1_8.ftVal := tov_CP_Data.ft.ftVal,	cr_CP_UserData03(Step 75 CPDATA / RP_DATA / SMS_S UBMIT (ue-+ti) WartSMS 1092

		1111			
E_SMS_6					
68		START t_UpperBound(tov_TTwiceTC1 Mmax)			
69	TBF5	?TIMEOUT t_UpperBound		(F)	
70		+ts_RRC_ConnRel(tsc_CellA, cell_Oct)			
71		Dc?RRC_Dataind CANCEL T_UpperBound	car_UplinkDirectTransfer(fac_CellDedicated, fac_RB4, cr_CP_DATA_03(cr_CP_UserData03(cr_RP_DATA_02()))		CPDATA / RP_DATA / SMS_S UBMIT (ua->r) VA#SMS1092

94	+ts_AT_CMGAV(Write message with index 1 t
	-111111111-,	o memory
	129,	@sic EW ER 1521 sic@
	tsc_Fox)	WA#8M81092

5 Branches executed in test case 16.1.2

The test case implementation executed with CS and PS activated, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

Execution log files 16_1_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 16_1_2-pics-pixit-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040271

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

CHANGE REQUEST								CR-Form-v7
*	34.123	-3 CR	375	жrev	- #	Current vers	ion: 3.5.1	¥
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Г 								
Title:	ж <mark>Re</mark>	vised CR for	he addition of	GCF P3 te	est case 8	3.4.1.35 to IR_	U ATS V3.5.1	
Source:	₩ <mark>Ro</mark>	hde&Schwarz						
Work item o	code: 郑 <mark>N//</mark>	4				Date: ₩	25/06/04	
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Reason for	change: ३	₹ To add veri V3.5.1	fied GCF pack	age 3 test	case 8.4	.1.35 to the ap	proved IR_U	ATS
Summary o	f change: ३	f This docum	ent lists all cha	anges app	lied to tes	st case 8.4.1.3	5 required for	approval.
Consequen		€ The Test ca	ase will not be	added to t	he ATS			
Clauses aff	ected:	€ <mark>N/A</mark>						
Other speciaffected:	s 3	X Test	er core specific specifications I Specification		*			
Other comm	nents: ៖	f						

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 \$\mathbb{X}\$ 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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004

01 Jan - 31 Dec 2004

Title: Changes to test case 8.4.1.35 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Holger Jauch

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1 Overview

This document is a revised CR on IR_U test case 8.4.1.35. It lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.35 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).

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3 Verification Test Summary

Test Case: tc_8_4_1_35

Test Group: RRC_Measurements/

ATS Version: IR_U_wk23.mp

System Simulator used: Rohde & Schwarz 3G system simulators

CRTU-W and CRTU-G

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 8.4.1.35

4.1 Introduction

This document presents a revised CR on RRC_Measurements test case tc_8_4_1_35 for approval. The initial CR on tc_8_4_1_35 submitted by R&S is contained in T1s040343 [2]. The initial CR was commented by Anite and by ETSI in T1s040343(8_4_1_35)_MCC160comments.doc [6]. Both comments accepted the R&S changes up to WA#2G30263, which was rejected, taking an alternative proposal of Anite instead. Since the accepted changes are not yet implemented in IR_U_wk23.mp [3], they appear again in this CR with a note indicating acceptance by ETSI MCC160 in T1s040343(8 4 1 35) MCC160comments.doc [6].

In addition, Anite proposed further changes in document Anite's_additional_modifications_to_8_4_1_35-MCC160comments.doc [7], which were accepted by ETSI MCC160. The current document contains a merge of R&S changes and Anite changes.

The additional Anite changes were addressed as 'Change 1' to 'Change 6'. The current CR gives R&S change labels to these changes, as far as applicable, and refers in their change description to Anite's document.

Anite's change 2 is covered by R&S WA#2G3RRC0265, and Anite's change 4 is only applicable to $tc_8_4_1_33$. Both changes do not explicitly appear in this CR.

While initial CR T1s040343 [2] was based on IR_U_wk20.mp [4], the current CR is based on IR_U_wk23.mp [3], which has e.g. the effect that some originally proposed changes are not applicable any more. While most changes presented in this CR are explicitly described, a few changes appear by reference to T1s040347 [5], which is outstanding for ETSI MCC160 comments.

The ATS enclosed in the supplementary information T1s040362.zip [1], specifying the modified test case tc_8_4_1_35 presented for approval, contains only material from IR_U_wk23.mp [3] (apart from the modifications described here).

Table 3 in Annex A lists all required changes, including the ones described in previous CR T1s040347 [5].

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

a) If the changes are explicitly described in this CR, and the related TTCN objects **are contained** in IR U wk23.mp [3], the change description refers to this ATS;

- b) If the changes are described in previous CR T1s040347 [5], the change description refers to IR_U_wk20.mp [4].
- c) All other change labels (if present) refer to proposals for new TTCN Objects.

The reference ATS from which the object has been taken and to which the described change refers, is indicated for each TTCN object to be changed. Annex A contains a table listing all change label/affected object combinations, as well as their reference ATSs.

4.2 Presentation of the modifications

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

In addition, if the **reason for a change** cannot be expressed in a few table lines, particular subclauses of clause 4 may be generated for 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_4_1_35
Reference ATS	IR_U_wk20.mp [4]
Change Label	WA#2G3RRC0110
Reason for change	<textual change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	<goto change="" descriptions="" fields="" other="" to=""> (optional)</goto>
ETSI comment	
R&S conclusion	

TTCN object:

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

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

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the

current change description applies.

Change Label: Textual identifier starting with the fixed string 'WA#2G3RRC', followed by a

4-digit number (e.g. WA#2G3RRC0110). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.

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

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

Other affected objects: List of one or more GOTO fields, pointing to other TTCN objects having

assigned the same Change Label, i.e. all other objects being affected by the

problem giving rise to the current Change Label.

ETSI comment: This field may be used by ETSI colleagues giving a dedicated reply to the

current CR document. Otherwise it is filled by the R&S 2G3 group when

another kind of response is received from ETSI.

R&S conclusion: Filled by the R&S 2G3 group when the ETSI answer does not indicate

acceptance of the change request.

4.3 Modifications inside the tc_8_4_1_35 behaviour table

TTCN object	tc_8_4_1_35
Reference ATS	IR_U_wk23.mp [3]
Change Label	WA#2G3RRC0264
Reason for change	On the SS side compressed mode for uplink and/or downlink are not activated according to the PIXIT settings.
Summary of change	Make activation of compressed mode for uplink and/or downlink on the SS side depending on the PIXIT settings.
	Note: Accepted in T1s040343(8_4_1_35)_MCC160comments.doc [6].
Other affected objects	
Change Label	WA#2G3RRC0265
Reason for change	The reconfiguration of the physical layer on the SS is not synchronized with reconfiguration on the UE side, therefore SS and UE will go out-of-sync.
Summary of change	Change tgps_Reconfiguration_CFN from OMIT to tcv_TGPSRFCN.
	Note: Accepted in T1s040343(8_4_1_35)_MCC160comments.doc [6].
Other affected objects	
Change Label	WA#2G3RRC0283
Reason for change	In It_CheckReportForMultiCell, the constraint for measurement report to be received in line 1 contains a wrong cell parameter.
Summary of change	In constraints column of line 1 replace tsc_GSM_CellA by tsc_GSM_InterRAT_CellA.
	Note: Accepted in T1s040343(8_4_1_35)_MCC160comments.doc [6].
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0322
Reason for change	As per 34.108 the timer tolerance could be 10% of timer value or (2*TTI +55ms) which ever is higher. In test cases 8.4.1.35, the wait time for getting measurement report is 900 ms.
	Note: see change 5 in Anite's_additional_modifications_to_8_4_1_35-MCC160comments.doc [7].
Summary of change	Tolerance is taken as (2*TTI + 55ms).
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0323
Reason for change	The constraint cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode is being used in testcase 8.4.1.35 for sending measurement control message to UE for which Compress Mode information is not required. The cellIndividualOffset for Cell2 is hardcoded to tsc_InterRATCellIndividualOffset_3, but this value varies from testcase to testcase.
	Note: See change 6 in Anite's_additional_modifications_to_8_4_1_35-MCC160comments.doc [7].
Summary of change	The cellIndividualOffset of GSM Cell 2 is also parameterized in constraint cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode. The actual value passed for this new formal parameter is tsc_InterRATCellIndividualOffset_3.
Other affected objects	cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode
ETSI comment	
R&S conclusion	

			Tes	t Case		
Tes	d Case Io	£	10_8_4_1_35			
Test Group Reference: Purpose:		Reference:	RRC_Measurements/			
			 To confirm that the UE sends MEASUREMENT REPORT 	Timessage if event 3c is configured, and if the qual	ity of the	after system becomes better
			than the given threshold for event 3c.			
			2 To confirm that no other UE MEASUREMENT REPORT		dy trig ge	ered event 3s as long as the hys
			teresis condition for triggering once again event 3s has not bee	n fulfilled.		
	rfiguratio	MIC.	PRO P-H			
	auts: nments:		RRC_Deff @8IC_NAPP			
					-17	
Nr	Label		Behaviour Description	Constraint Ref	V	Comments
1		START t_0	Guard			
2		[px_RAT=				FDD specific behaviour
3		+it_lnitVa				
4		*ts_88_	_CreateCelIDCH(tst_CellA)			Configure lower tester for cel
						IB
5		+65_Ser	ndDef_sysimto_MultiCell (fsc_Cell/I)			Sends the default system info mation in CellB
6		etc. Co	eateCell_GBM(tsc_GBM_Cell4)		-	mation in Cells
7	_		I2quaterR0 := c_SI2quaterR0(118, c_SI2quater_30_1NCelidNT		_	@sic Thomas ER???? sic@
			by_CellinfoA.frequencyinfo. mode@pecificinfo.fdd.uarfcn_DL_14			Marc Illentino Excitit ordi
			_BIT(kv_CellinfsA.priScrmCode, 10)), '1'B, c_St2quaterMeasPa			
			Meas(tst_0_QSearch_I,1000'B, 1000'B), 10'B, OMIT))			
8		*ts_8	lendGSMBysinfo@sc_GSM_CellA,tsc_PhyChD,gsmonly,bcch,si2			@sic Thomas ER???? sic@
		quater)				
9			CreateCell_GSM(tot_GSM_CellS)			
10			SendGSMSysInfo(tsc_GSM_CellB,tsc_PhyCh0,gsmonly,bcch,si			@sic Thomas ER???? sic@
		2quater)	Mark and a state of the state o		_	
11		+ts_	Jdle Updated (tsc_CellA)			Idle Update and bring UE to a
						el_Drh state and release the
12	_	with the second	ToStateMO_CS_6_9_PS_6_100r6_11 (tsc_CellA)		-	connection again
13			TestBody		_	
14	_		o ConnectionAndSS Reis		_	To release all the configured
						but not released cells
15		+81	t_PO_G_SS_Releases			To release all the configured
-						but not released GSM cells
18	ERR1	[px_RAT=	-bddl		\neg	TDD specific behaviour
17		[TRUE]			1	
H_T	estBody					
18	TBS	(tcv_Test	Body = TRUE)			
19			ulateAcfTime (tsc_CellA)			
20		+It_Step:	2_To4_WithOrWthoutCompMode			
21		START	L/WaitMS (10*1000)			Initialize thewait timer to 10 s
						econds
22	TBF1	AM 2RL	.C_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated,	(F)	If report message comes in th
				tsc_RB2,		is interval it fails
	TDD1	O TIME	OLUTE INCIDED	cr_MeasReportInterRatMeas (*,*,*,*,*,*))	ATA	
23	TBP1		OUT t_Www.S CellinfoA.downlinkPowerLevet=tsc G DL PowerLevel 38EN		(P)	Oten 6 in paner
24		F)	_Centro/cowntrik-owerLevel-15c_0_DL_FowerLevel_35EM			Step 6 in prose; Initialise parameters such tha
		17				1 power levels at time T1 can
						be configured.
25		+ts_6:	BM_SetChPowerLevel(tat_OBM_CellA, tat_PtryCh0, tov_O_Cel		\neg	Changing the power level of
			vnlinkPowerLevel)			GSM cell A as given in Table a
						15me T1
26			Folerance := 2*40 + 55)			WA#203RRC0322
27		STAR	RT t_WaitMB (900 + tov_Tolerance)			Initialize thewait timer to 900
40	_		About the control of the state		_	ms seconds
28			Check/ReportForMultiCell		-	Step 7 in prose
29		EMF)	_G_CellInfoA.downlinkPowerLevel;= tsc_G_DL_PowerLevel_33			Step 8 in prose; Initialise parameters such that
		CHIT				1 power levels at time T2 can
						be configured.
30 +ts_98M_8etChPowerLevel(tsc_98M_CellA, tsc_PhyCh0, tsv_9_				Changing the power level of		
			downlinkPowerLevel)			GSM cell A as given in Table a
						15me T2
31		(te	v_0_CellinfoA.downlinidPowerLevel:= tsc_0_DL_PowerLevel_3			Step 9 in prose;
		BEMF)				Initialise parameters such tha
						1 power levels at time T3 can
	_				_	be configured.
32			s_GSM_SetChPowerLevel(tsc_GSM_CellA, tsc_PhyCh0, tsv_G_			Changing the power level of
		Cellinits A.	downlinkPowerLevel)			GSM cell A as given in Table a
						19me T3

33			START LWWMS (10*1000)			Initialize thewait timer to 10 s econds
34	TBF3		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_R82, cr_MeasReportInterRatMeas (*,*,*,*,*))	(F)	If report message comes in this interval it fails
35	TBP2		? TIMEOUT (_WaltMS		(P)	
36			+ts_C3_CheckCellDCH (tsc_CellA)			Step 11 in prose; Note:-Dummy step used
	TBE		(fcv_TestBody = FALSE)		(P)	
_	rit/ariab					
3B 39		_	RC_Init/ariablesCS			Initialises the Variables depe
		+ts_GBM_InitVariables_TwoCells				nding on the GSM Band under rusage For all Cells.
40		tsc_C tsc_U	_CellinfoA >= c_CellinfoDeff (ellA_ pc_PriBormCode, RA_ idCellA_ tax_CRNTI, px_TCellA_ tac_BFN_OffsetA_tov_Freqinfo ix_UL_ScramblingCode ()			
41	_		_CellinfoA.attenuationLevel := tov_CellinfoA.powerpCP1CH+60)			
42		C_PL nkPov	_G_CellinfoAmec>stec_MCC_PLMN1 fzv_G_CellinfoAmec>stec_MN MN1 fzv_G_CellinfoAlac>stec_LAC_PLMN1 fzv_G_CellinfoAdownii wert.evel>stec_G_DL_PowerLevel_23EMF, tzv_G_CellinfoAncc>stec _G_tov_G_CellinfoAbec=stec_BCC_1)			Initialize GCELL A Variable as the test case demands; @sic Thomas ER 1609 sic@
43		NC_P linkPo	r_0_CellinfoB mcc=tsc_MCC_PLMN2]zr_0_CellinfoB mnc:=tsc_M PLMN2;tx_0_CellinfoB.lac=tsc_LAC_PLMN2]tr_0_CellinfoB.down rwerLeve1=tsc_0_DL_PowerLevel_3BEMF, trv_0_CellinfoB.ncc=ts C_0, tcv_0_CellinfoB.bcc=tsc_BCC_2)			Initialize OCELL B Variable as the test case demands; @sic Thomas ER 1609 sic@
UP	0_0_88	_Rele	ases			
44	_		GSM_SS_CellRelease(tsc_GSM_CellA)			G cell A switched off
45	the section of		GSM_SS_CellRelease(ss_GSM_Cell8)			G cell B switched off
46	ATECHTYE		MUBCON R.C_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportInterRatMeas (3, OMT_, verifiedBSIC :[tsc_GSM_interRAT_CeltA] verifiedBSIC: tsc_GSM_interRAT_CeltB, c_interRATMeas_EventResuits3a_		Step 7 in prose VA#203RRC0283
47		CAN	CELLWWMS	3b_3c_3d(e3c /tac_GSM_InterRAT_CellA()))		
48		AM 2F	RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportInterRatMeas (3, OMIT, verifiedBSIC : tsc_GSM_interRAT_CellB, verifiedBSIC: tsc_GSM_interRAT_CellA, c_interRATMeas_EvertResuits3a_ 3b_3c_3dje3c_tsc_GSM_interRAT_CellWi)		Step 7 in prose
49		CAN	CELT_WWMS			
	TBF2		EOUT t_Www.8		(F)	
_	hyChRe		ompress eModeArtivate			
51			InterRAT_DL_CompressedModeRequired) AND (pr_InterRAT_UL_ pressedModeRequired)()			
52			RLC_AM_DATA_REG	cas_PhyChReconf (toc_CellDedicated, toc_RB2, cds_PhyChReconfSpeechEvenfTriggerCompModeD L_UL (try_CellIndinfo.dl_IntegrityCheckInfo, try_RRC_TI, try_CellInfoAfrequencyInfo, try_CellInfoAfrequencyInfo, try_CellInfoAgriScrmCode,		Step 2 in prose; SS sends physical Channel R econfiguration message
53		СРН	IY I CPHY_RL_Modify_REQ	try_CellinfoA.uL_ScramblingCode)) ca_CompressedModeDPCH_Info_REG (fsc_CellA, tsc_DL_DPCHI, tov_ActTime, c_DPCHInfo_DL (_c_DL_DPCHInfo (_c_DL_Commoninformation_EventTriggerCompMod eDL_UL (fsc_DL_DPCHI_SFP_Speech_mode0), c _DL_DPCH_InfoPerRadioLink (fst_DL_DPCH_ScrC_5,		
		COL	f/ ? CPH/_RL_Modify_CNF	tsc_DL_DPCH1_ChC_Speech) (i) ca_CompressedModeInfoCNF (tsc_CeliA, tsc_DL_		
54				OR SOMERESSEGROUPINGSINF CISE CREW, 1981 DE-		

55	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_info_REQ (tac_CellA, tac_UL_DPCH1, tav_ActTime, c_DPCHinfo_UL (cb_UL_DPCH_info (tac_UL_DPD CH_BF_Bpeech, pl0_84, tav_CellinfoAuL_Scramblin gCode (t))	
56	CPHY? CPHY_RL_Mostly_CNF	ca_CompressedModelnfoCNF (fsr_CellA, fsr_UL_ DPCH1)	
67	+ts_RRC_ReceivePhyChReconfCmplidsc_CellA_tox_RRC_RAB_Typ e)		Step 3 in prose;
58	[[pc_interRAT_DL_CompressedModeRequired)]		
59	AM!RLC_AM_DATA_REQ	cas_PhyChRecord (tsc_CellDedicated, tsc_R82, cds_PhyChRecordSpeechEventTriggerCompModeD L (trv_Cellindinfo.dl_integrityCheckInfo, trv_RRC_Ti, trv_ActTime, trv_CellinfoArfrequencyInfo, trv_CellinfoArgriStrmCode, trv_CellinfoAuL_ScramblingCode))	Step 2 in prose; \$6 sends physical Channel R aconfiguration message
60	CPHY I CPHY_RL_Modify_REG	ca_CompressedModeDPCH_Info_REG (tst_CetA, tst_DL_DPCH1, tsv_ActTime, c_DPCHarlo_DL (c_DL_OPCHarlo (c_DL_Commonisformation_EvenfTriggerCompMod eDL (tst_DL_DPCH1_BFP_Bpeach , mode0), c_D L_DPCH_InfoPerRadioLink (tst_DL_DPCH_SetC_5, tst_DL_DPCH1_ChC_Speach));))	
61	CPHY?CPHY_RL_Modify_CNF	ca_CompressedModelnfoCNF (fsr_CellA,fsr_DL_ DPCH1)	
62	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeOPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tsv_AcfTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPD CH_BF_Speech, pl0_84, tsv_CellInfoAuL_Scramblin gCode (x))	
63	CPHY? CPHY_RL_Mostly_CNF	ca_CompressedModelnfoCNF (1st_CellA, 1st_UL_ DPCH1)	
64	+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA , tcx_RRC_RAB_Typ e)		Step 3 in prose;
65	([pc_interRAT_UL_CompressedModeRequired)]		
66	AM I RLC_AN_DATA_REG	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfSpeechEvenfTriggerCompModeU L (trv_Cellindinfo.dl_integrityCheckInfo, trv_RRC_Ti, trv_ActTime, trv_CellinfoArtrequencyInfo, trv_CellinfoApriScmrCode, trv_CellinfoAuL_ScramblingCode))	Step 2 in prose; SS sends physical Channel R aconfiguration message
67	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tat_CellA, tat_DL_DPCH1, tav_AcfTime, c_DPCHinfo_DL (c_DL_DPCHinfo (c_DL_Commoninformation_EvenfTriggerCompMod eUL (tat_DL_DPCH1_SFP_Bpeach , mode0), c_D L_DPCH_InfoPerRadioLink (tat_DL_DPCH_Sec_5, tat_DPCH1_CPC Speach) ())	
68	CPHY ? CPHY_RL_Mostly_CNF	ca_CompressedModelnfoCNF (1st_CellA, 1st_DL_ DPCH1)	
69	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (fsc_CellA, tsc_UL_DPCH1, tsv_AcfTime, cc_DPCHinfo_UL (cb_UL_DPCH_Info dsc_UL_DPD CH_SF_Speech, pl0_ll4, tsv_CellinfoAuL_Scramblin gCode(i))	
70	CPHY? CPHY_RL_Mostly_CNF	ca_CompressedModeInfoCNF (tsr_CellA, tsr_UL_ DPCH1)	
71	+ts_RRC_ReceivePhyChReconfCmpl dsc_CellA_tov_RRC_RAB_Typ e)		Step 3 in prose;
72	[TRUE]		@sic Thomas ER 1606 sic@

73	To4_WithOnWithoutCompMode ()()NOT pc_interRAT_DL_CompressedModeRequired) AND (NOT pc_inte		
	rRAT_UL_CompressedModeRequired))[
74	AMIRLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlInterRATMeas_Event3b_3c cs_MeasurementControlInterRATMeas_Event3b_3c cs_MeasurementControlInterRATMeas_Event3b_3c cs_MeasurementControlInterRat_CellInto, tsc_InterRATCellIntolIntolInterRAtCellIntolIntolInterRAtCellIntolIntolInterRAtCellIntolIntolInterRAtCellIntolIntolInterRAtCellIntolIntolInterRAtCellIntolInterRAtCellIntolIntolIntolIntolIntolIntolIntolInt	Step 4 in prose Woodr2G3RRC0323
75	((pr_InterRAT_DL_CompressedModeRequired) OR (pr_InterRAT_UL_C ompressedModeRequired)]		
76	+It_PhyChReconf_CompresseModeActivate		
77	-ts_CalculateAcfTime (tsc_CellA)		
78	+ts_CPHY_TGCFN_250_252_254 (tsc_CellA)		
79	AM I RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_R82, cs_MeasurementControlInterRATMeas_Event3b_3c_3dWithCompMode (tsv_CellIndinfo.di_IntegrityChe claint, tsv_RRC_Ti, 3, tsc_OSM_InterRAT_CellB, tsc_OSM_InterRAT_CellB, tsc_OSM_InterRAT_CellB, tsc_InterRATCellIndividualOffiset_10, tsc_InterRATCellIndividualOffiset_3, c_InterRAT_Event3c(tt1 00), tsv_TOPSRFCN_txv_TOCFN_252, tsv_TOCFN_254, tsv_TOCFN_250))	Step 4 in prose
80	[gc_interRAT_DL_CompressedModeRequired] AND (gc_interRAT_ UL_CompressedModeRequired)]		WA#203RRC0284
B1	CPHYICPHY_RL_Modify_REQ	ca_CompressedModeStatusinfo_REQ (1sc_CellA, 1sl c_DL_DPCH1, txv_ActTime, c_DPCH_CompressedModeStatusinfoActive_TGP8I list[tov_TGPSRFCN] 1,2,3, txv_TGCFN_252, txv_TG CFN_254, txv_TGCFN_250))	VW#2G3RRC0264 VW#2G3RRC0266
82	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_ DPCH1)	W4#293RRC0264
83	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_RE0 (tsc_CellA, ts c_UL_DPCH1, tsv_AcfTime, c_DPCH_CompressedModeStatusInfoActive_TGP8i ListExy_TGPSRFCN_1,2,3, tsv_TGCFN_252, tsv_TG CFN_254, tsv_TGCFN_250.)	V0#293RRC0264 V0#293RRC0265
84	CPHY?CPHY_RL_Mostly_CNF	ca_CompressedModelnfoCNF (tsr_CellA, tsr_UL_ DPCH1)	VA#203RRC0284
85	[pc_interRAT_DL_CompressedModeRequired]		WA#2G3RRC0264
86	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REO (tsc_CellA, ts c_DL_DPCH1, tsv_Acffirme, c_DPCH_CompressedModeStatusInfoActive_TGPSI Listpry_TGPBHFCR[1,2,3, tcv_TGCFN_252, tcv_TG CFN_254, tcv_TGCFN_250;)	V0#203RRC0264 V0#203RRC0265
07	CPHY? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsr_CellA, tsr_DL_ DPCH1)	V04F2G3RRC0284
88	[pc_interRAT_UL_CompressedModeRequired]		WW#293RRC0264
89	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_RE0 (tsc_CellA, ts c_UL_DPCH1, tsv_Acffirme, c_DPCH_CompressedModeStatusInfoActive_TGPSI List(tsv_TGPSRFCN_1,2,3, tsv_TGCFN_252, tsv_TG CFN_254, tsv_TGCFN_250.))	V0#203RRC0284 V0#203RRC0285
90	CPHY? CPHY_RL_Mostly_CNF	ca_CompressedModeInfoCNF (tsr_CellA,tsr_UL_ DPCH1)	V04F203RRC0284
91	[TRUE]		@sic Thomas ER 1606 sic@

4.4 Other modifications relevant for tc_8_4_1_35

4.4.1 tsc_InterRATCellIndividualOffset_3

TTCN object	tsc_InterRATCellIndividualOffset_3
Reference ATS	IR_U_wk23.mp [3]
Change Label	WA#2G3RRC0291
Reason for change	The current value of tsc_InterRATCellIndividualOffset_3 (3) does not match value to be used for GSM cell 2 in TC 8.4.1.35 according to 3GPP TS 34.108. Moreover, using the value 3 does not provide for any measurement tolerance in positive direction for the RSSI (e.g. measuring -74 dBm instead of the nominal -75 dBm).
Summary of change	The value of tsc_InterRATCellIndividualOffset_3 has been changed from 3 to -3. Note: Accepted in T1s040343(8_4_1_35)_MCC160comments.doc [6].
Other affected objects	
ETSI comment	
R&S conclusion	
to:_interRATCellindeidual0ffuet_3	INTEGER -0 WARDSPRODER

4.4.2 TS Constants for LAC/RAC

TTCN object	tsc_LAC_Def tsc_LAC_PLMN1 tsc_LAC_PLMN2 tsc_RAC_Def		
Reference ATS	IR_U_wk23.mp [3]		
Change Label	WA#2G3RRC0280		
Reason for change The default Location Area/Routing Area Codes for 3G side have been changed in T1-040656 [8] for 3GPP TS 34.108.			for 3G side have been changed in CR
Summary of change	Change the values of the test suite constants accordingly, since on the one side TS Constants tsc_LAC_PLMN1 etc. are used in the DualIdleMode test cases, and on the other side there is no indication in 3GPP TS 34.108 that LAC/RAC values different from the default values shall be used. Note: Accepted in T1s040343(8_4_1_35)_MCC160comments.doc [6], but postponed (will be implemented after delivery of formal release v360).		
Other affected objects			
ETSI comment			
R&S conclusion			
to: LAC Def NLLAC FURNI to: LAC FURNI to: RAC Def	OCTETETRINO OCTETETRINO OCTETETRINO OCTETETRINO	909F0 909F0 909F0	PARTICIPATION LAC natur times or brain in NATION PROCESSE LAC natur times or brain in NATION PROCESSE Routing Area Code, 1 orbe, 3GPP 24 689 clause 161

4.4.3 c_DL_CommonInformation_EventTriggerCompModeDL_UL

TTCN object	c_DL_CommonInformation_EventTriggerCompModeDL_UL
Reference ATS	IR_U_wk23.mp [3]
Change Label	WA#2G3RRC0321
Reason for change	The DL_CommonInformation params (positionFixedOrFlexible and tfci_Existence) are not as per default contents for 25.331. Note: see change 3 in Anite's_additional_modifications_to_8_4_1_35- MCC160comments.doc [7].
Summary of change	In constraint c_DL_CommonInformationRB_SetUp_DL_ULCompressModeInfo the IEs positionFixedOrFlexible is set to "fixed" and tfci_Existence is set to "FALSE".
Other affected objects	
ETSI comment	
R&S conclusion	

```
ASN.1 Type Constraint Declaration

Constraint Name: c_DL_Commoninformation_EventTriggerCompMedeDL_UL (p_8t SF512_AndPilot ; p_Rpp : RPP)

Type Name: DL_Commoninformation

Derivation Path:
Encoding Variation:

Commonints: @8IC_NAPP

Constraint Value

(d_DPCH_InfoCommon(
crin+landing maintain: NULL,
modeSpecificinfo titid;
dl_DPCH_PowerControlinto (
modeSpecificinfo titid;
dpc_Mode singleTPC
)
}
powerOffsetPilot_pdpdch tsc_DPCH_PowerOffsetPILOT,
dl_rate_mathring_restriction CMIT,
spreadingFactorAndPilot_psg| -\text{VMAPO3IRRC0321}
tki_Enistence(FALSE) -\text{VMAPO3IRRC0321}
}
indesSpecificinfo fitid;

modeSpecificinfo fitid;
```

...

4.4.4 cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode

TTCN object	cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode
Reference ATS	IR_U_wk23.mp [3]
Change Label	WA#2G3RRC0323
Reason for change	The constraint cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode is being used in testcase 8.4.1.35 for sending measurement control message to UE for which Compress Mode information is not required. The cellIndividualOffset for Cell2 is hardcoded to tsc_InterRATCellIndividualOffset_3, but this value varies from testcase to testcase. Note: See change 6 in Anite's_additional_modifications_to_8_4_1_35-MCC160comments.doc [7].
Summary of change	The cellIndividualOffset of GSM Cell 2 is also parameterized in cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode.
Other affected objects	tc_8_4_1_35
ETSI comment	
R&S conclusion	

```
ASN.1 PDU Constraint Declaration

Constraint Name:

cs_MeasurementControlinterRATMeas_Event3b_3c_3dNoCompMode (
    p_IntegrityInfo:IntegrityCheckinfo;
    p_RRC_T1 RRC_TransactionIdentifier;
    p_measid_NewInterRAT: INTEGER;
    p_Cellid1:INTEGER;
    p_Cellid2:INTEGER;
    p_Cellid2:INTEGER;
    p_InterRATCellinstvidualOffset1:INTEGER;
    p_ervent:InterRATCellinstvidualOffset2:INTEGER;
    p_event:InterRATEvent
)

Oroup:

PDU Name:
    OL_DCCH_Message

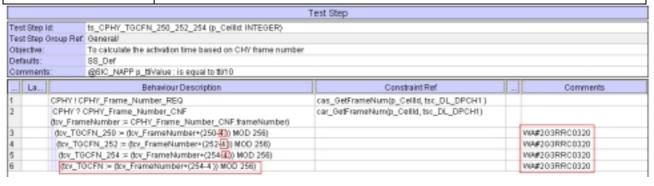
Derivation Path:
Encoding Rule Name: PER_Unatigned
Encoding Rule Name: PER_Unatigned
Encoding Variation:

Comments:
    @SIC_NAPP Measurement Control Command to start Inter RAT measurement; UE is in CellA and CellB has to be measured
    Vol#203RRC0323
```

```
IntegrityCheckinfo p_IntegrityInfo ,
message measurementControl : r31
measurementControl _r3 {
    rec_TransactionIdentifier p_RRC_TI,
    measurementIdentifier p_RRC_TI,
    measurementIdentify p_meastd_NewInterRAT,
    measurementCommand setup : interRATMeasurement :
    {
        interRATCellInfoList
        {
            removedInterRATCellList removeAllInterRATCells : NULL,
            newInterRATCellList
        interRATCellID p_CellId1,
        tachnologySpecificinfo gsm :
        {
            cellBelactionResealectionInfo OMIT,
            interRATCellIndividualOffset[p_interRATCellIndividualOffset], ---WM#263RRC0323
            bsic
```

4.4.5 ts_CPHY_TGCFN_250_252_254

TTCN object	ts_CPHY_TGCFN_250_252_254
Reference ATS	IR_U_wk23.mp [3]
Change Label	WA#2G3RRC0320
Reason for change	1) tti value 20ms is wrong 2) TS 34.123-1 specifies that the TGPS reconfiguration CFN in Measurement Control Message should be set to (Current CFN + (250 – TTI/10msec)) mod 256. But TTCN tcv_TGPRFCN is set to '0' and used in the measurement control message.
	Note: See change 1 in Anite's_additional_modifications_to_8_4_1_35-MCC160comments.doc [7].
Summary of change	1) tti value is set to 40ms. 2) tcv_TGPRFCN is updated as per the calculation given in specs inside the test step ts_CPHY_TGCFN_250_252_254. 3) The updated tcv_TGPSRFCN is passed as parameter for Measurement control message and local end configuration.
Other affected objects	
ETSI comment	
R&S conclusion	



4.4.6 ts_RRC_ReceiveConnSetupCmpI

TTCN object	ts_RRC_ReceiveConnSetupCmpl
Reference ATS	IR_U_wk23.mp [3]
Change Label	WA#2G3RRC0244
Reason for change	Default RRC_DefConnEst had been previously added to the defaults list of ts_RRC_ReceiveConnSetupCmpl in order to recognize repeated RRC_ConnectionRequest messages and ignore them. But when default RRC_Def1 is listed first, a repeated RRC_ConnectionRequest message will fall into the OTHERWISE line of RRC_Def1, giving a (I) or (F) verdict instead of ignoring the message.
Summary of change	The order of Defaults is interchanged. A repeated RRC_ConnectionRequest message is now recognized in RRC_DefConnEst and leads to a RETURN statement. Note: Originally rejected by ETSI MCC160 because of a misunderstanding, in the mean time accepted (verbal communication of Thomas Wacker).
Other affected objects	
ETSI comment	
R&S conclusion	

	Tes	rt Step		
t Step ld: t Step Gr ective: laults: nments:	roup Ref. BasicM_RRC_Steps/	nd download 88 security keys according to the receive	ed info	rmation element.
Label	Behaviour Description	Constraint Ref	ν	Comments
TSF1	R (tov_TmpCellinto.cellConfig = cell_DCH_StandAloneSRB) OR (tov_TmpCellinto.cellConfig = cell_DCH_MAC_SRB_NoConn) OR (tov_TmpCellinto.cellConfig = cell_DCH_MAC_SRB) OR (tov_TmpCellinto.cellConfig = cell_DCH_2AM_PB)] START t_WaitMS		(F)	
TBP1	AM ? RLC_AM_DATA_IND	car_RRC_ConnSetupCmpl (tsc_CellDedicated, tsc_RB2, cr_108_RRC_ConnSetupCmpl (tcv_RRC_Ti, ?))	P	UE capability is is present in a DCH comfiguration
	Step Goodstive: auts: nments: Label	Step Id: ts_RRC_ReceiveConnSetupCmpl (p_Cellid : INTEGER) Step Group Ref BasicN_RRC_Steps Interest To receive RRC_CONNECTION SETUP COMPLETE message a Interest RRC_DefConnEst, RRC_Deft Interest RRC_Deft In	Step Group Ref Basich_RRC_Steps/ To receive RRC_CONNECTION_SETUP COMPLETE message and download S8 security keys according to the receive luts: RRC_DerConnest, RRC_DerDerDerDerDerDerDerDerDerDerDerDerDerD	Step Group Ref Basich _ RRC_Steps Step Group Ref Basich _ RRC_Def Step Group Ref Bas

...

4.5 Changes referred to from previous CRs

Table 2 below lists all Change Label/Affected TTCN Object combinations of changes in the RRC ATS required for tc_8_4_1_35, which also apply to one or more other test cases previously requested for approval and being defined unchanged in a previous CR issued by Rohde&Schwarz. For each change the document ID of the previous CR and the reference ATS are also shown.

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

Change Labels	Affected TTCN Objects	Ref. ATS	CR Docld
WA#2G3RRC0292	tcv_AcceptDetachFromPreviousCell	New	T1s040347 [5]
WA#2G3RRC0292	IntersystemDef	IR_U_wk20.mp [3]	T1s040347 [5]

5 Branches executed in test case 8.4.1.35

The test case was executed for the GSM 900 band in Combined Attach (CSPS) Mode with Integrity activated and Ciphering disabled. UL and DL compressed modes were activated.

6 Supplementary information

The TTCN ATS containing modified tc_8_4_1_35 (RRC_8_4_1_35.mp) is contained in T1s040362.zip [1].

7 References

[1]	T1s040362.zip Archive comprising the TTCN MP file for the current CR (supplementary information).
[2]	T1s040343.doc Initial R&S CR on tc_8_4_1_35.
[3]	IR_U_wk23.mp ETSI RRC ATS version of week 23 (2004).
[4]	IR_U_wk20.mp ETSI RRC ATS version of week 20 (2004).
[5]	T1s040347 Previous R&S CR (on tc_6_2_1_1) containing several change proposals also referred to in the current CR.
[6]	T1s040343(8_4_1_35)_MCC160comments.doc MCC160 comments on R&S T1s040343.
[7]	Anite's_additional_modifications_to_8_4_1_35-MCC160comments.doc Additional modification proposals for tc_8_4_1_35 from Anite.
[8]	T1-040656 CR to 34.108 Rel-5: Change of default LAC/RAC for inter-RAT test cases.

Annex A: List of change labels and affected TTCN objects

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

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

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0244	ts_RRC_ReceiveConnSetupCmpI	IR_U_wk23.mp [3]
WA#2G3RRC0264	tc_8_4_1_35	IR_U_wk23.mp [3]
WA#2G3RRC0265	tc_8_4_1_35	IR_U_wk23.mp [3]
WA#2G3RRC0280	tsc_LAC_Def	IR_U_wk23.mp [3]
WA#2G3RRC0280	tsc_LAC_PLMN1	IR_U_wk23.mp [3]
WA#2G3RRC0280	tsc_LAC_PLMN2	IR_U_wk23.mp [3]
WA#2G3RRC0280	tsc_RAC_Def	IR_U_wk23.mp [3]
WA#2G3RRC0283	tc_8_4_1_35	IR_U_wk23.mp [3]
WA#2G3RRC0291	tsc_InterRATCellIndividualOffset_3	IR_U_wk23.mp [3]
WA#2G3RRC0292	tcv_AcceptDetachFromPreviousCell	IR_U_wk20.mp [4]
WA#2G3RRC0292	IntersystemDef	IR_U_wk20.mp [4]
WA#2G3RRC0320	ts_CPHY_TGCFN_250_252_254	IR_U_wk23.mp [3]
WA#2G3RRC0321	c_DL_CommonInformation_EventTriggerCompModeDL_UL	IR_U_wk23.mp [3]
WA#2G3RRC0322	tc_8_4_1_35	IR_U_wk23.mp [3]
WA#2G3RRC0323	cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode	IR_U_wk23.mp [3]
WA#2G3RRC0323	tc_8_4_1_35	IR_U_wk23.mp [3]

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		CH	IANGE R	EQUE	ST			CR-Form-v7
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Reason fo	r change: 光	To add verified V3.6.1	GCF package 3	3 test case	8.4.1.3	6 to the app	roved IR_U	ATS
Summary	of change: ₩	This document	lists all changes	s applied to	o test ca	ase 8.4.1.36	required for	approval.
Conseque not approv		The Test case	will not be adde	d to the A	ΓS			
Clauses at	ffactod: 00	NI/A						
		N/A Y N		- 00				
Other spec affected:	cs #		re specification cifications	s #				

How to create CRs using this form:

 \mathfrak{H}

Other comments:

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:

X O&M Specifications

- 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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004

01 Jan - 31 Dec 2004

Title: Changes to test case 8.4.1.36 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Holger Jauch

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1 Overview

This document is a CR on IR_U test case 8.4.1.36. It lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.36 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).

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3 Verification Test Summary

Test Case: tc_8_4_1_36

Test Group: RRC_Measurements/

ATS Version: IR_U_wk23.mp

System Simulator used: Rohde & Schwarz 3G system simulators

CRTU-W and CRTU-G

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 8.4.1.36

4.1 Introduction

This CR presents RRC Measurements test case to 8 4 1 36 for approval.

The ATS enclosed in T1s040365.zip [1], specifying the modified test case tc_8_4_1_36 presented for approval, is based on IR_U_wk23.mp [2], provided by ETSI MCC160.

While most changes presented in this CR are explicitly described, a few changes appear by reference to previously issued CRs T1s040347 [4] and T1s040361 [5].

Table 3 in Annex A lists all required changes, including the ones described in previous CRs T1s040347 [4] and T1s040361 [5].

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

- a) If the WA/change is related to a previously issued CR, the reference ATS is the one given in Table 2 on page 13; otherwise
- b) If the related TTCN objects **are contained** in IR_U_wk23.mp [2], the change description refers to this ATS:
- c) All other change labels (if present) refer to proposals for new TTCN Objects.

Annex A contains a table listing all change label/affected object combinations, as well as their reference ATSs, including the ones described in previous CRs T1s040347 [4] and T1s040361 [5].

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_4_1_36
Reference ATS	IR_U_wk20.mp [3]
Change Label	WA#2G3RRC0110
Reason for change	<textual change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	<goto change="" descriptions="" fields="" other="" to=""> (optional)</goto>
ETSI comment	
R&S conclusion	

TTCN object: Identifier(s) of one or more TTCN objects having a global context in the

TTCN ATS. Typically only one TTCN object occurs. More than one object is

listed only, when:

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

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

way; and

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

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the

current change description applies.

Change Label: Textual identifier starting with the fixed string 'WA#2G3RRC', followed by a

4-digit number (e.g. WA#2G3RRC0110). A Change Label is assigned when a particular problem is recognized during the verification work. More than one

TTCN Object may be affected by the proposed solution to this problem.

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

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

Other affected objects: List of one or more GOTO fields, pointing to other TTCN objects having

assigned the same Change Label, i.e. all other objects being affected by the

problem giving rise to the current Change Label.

ETSI comment: This field may be used by ETSI colleagues giving a dedicated reply to the

current CR document. Otherwise it is filled by the R&S 2G3 group when

another kind of response is received from ETSI.

R&S conclusion: Filled by the R&S 2G3 group when the ETSI answer does not indicate

acceptance of the change request.

4.3 Modifications inside the tc_8_4_1_36 behaviour table

TTCN object	tc_8_4_1_36
TTCN object Reference ATS	IR_U_wk23.mp [2]
Change Label	WA#2G3RRC0285
	On the SS side compressed mode for uplink and/or downlink are not activated/deactivated
Reason for change	according to the PIXIT settings.
Summary of change	Made activation and deactivation of compressed mode for uplink and/or downlink on SS side dependent on PIXIT settings.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0286
Reason for change	The reconfiguration of physical layer on SS is not synchronized with the reconfiguration on the UE side, therefore SS and UE will go out-of-sync.
Summary of change	In constraint c_DPCHCompressedModeStatusInfoActive_TGPSIList used for CPHY_RL_Modify_REQ, change actual value for parameter tgps_Reconfiguration_CFN from OMIT to tcv_TGPSRFCN.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0301
Reason for change	In It_Step8_WithOrWithoutCompMode the 1st CPHY_RL_Modify_CNF is erroneously expected with CellID tsc_CellDedicated instead of tsc_CellA.
Summary of change	Replace tsc_CellDedicated by tsc_CellA.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0323
Reason for change	The constraint cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode is being used in some test cases for sending measurement control message to UE for which Compress Mode information is not required. The cellIndividualOffeset for Cell2 is hard-coded to tsc_InterRATCellIndividualOffset_3, but this value varies from test cases to test cases. Note: See change 6 in Anite's_additional_modifications to_8_4_1_35-MCC160comments.doc [6].
Summary of change	The cellIndividualOffeset of GSM Cell 2 is also parameterized in cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode. The actual values passed for this new formal parameter is tsc_InterRATCellIndividualOffset for tc_8_4_1_36. cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode (see
Other affected objects	T1s040361 [5])
ETSI comment	
Change Label	WA#2G3RRC0325
Reason for change	Timer t_WaitMS when used to receive the first measurement report (step 5) is too short for a UE that uses compressed mode.
Summary of change	Timer t_WaitMS started with 8000ms instead of 200 ms + tolerance; the related assignment for tcv_Tolerance is removed.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0326
Reason for change	When waiting for the first measurement report (step 5), timer t_WaitMS is not cancelled after the report was received.
Summary of change	Add a behaviour line CANCEL t_WaitMS.
Other affected objects	
ETSI comment	

Change Label	WA#2G3RRC0327
Reason for change	In tc_8_4_1_36, when reporting event 3d for the first time (step 5) the UE may not have the full set of measurements ready, so several forms of the measurement report with restricted information contents must be considered as alternatives.
Summary of change	Introduce new local test step It_Receive_Measurement_Report1 that allows reception of alternative forms for the first measurement report (step 5).
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0328
Reason for change	In TC 8.4.1.36, cr_MeasReportInterRatMeas is used to receive a measurement report containing two measured results. Alternatively, the UE may send a measurement report containing only one measured result.
Summary of change	Introduce new constraint cr_MeasReportInterRatMeas1 similar to cr_MeasReportInterRatMeas but containing only one measured result, and add an alternative receive statement applying this constraint.
Other affected objects	cr_MeasReportInterRatMeas1
ETSI comment	
R&S conclusion	

		Test Case			
Test Case	ld:	to_B_4_1_36			
Test Group	Reference:	RRC_Measurements/			
Purpose:		 To confirm that the UE sends MEABUREMENT REPORT message if or that no other UE MEABUREMENT REPORT message is sent by the UE to or triggering once again event 3d has not been fulfilled. 			
Configurat	lion:				
Defaults:		RRC_Deff			
Comment	90	@8IC_NAPP			
Nr Labe	H	Behaviour Description	Constraint Ref	V	Comments
1	START t_	Guard			
2	[px_RATe	rfdd]			FDO specific behaviour
It_TestBod 18 TBS 19	(tcv_Test	Body = TRUE) ulateArtTime (tsc. CellA)			
20		2_To4_WithOfWithoutCompMode			
21		L'WattMS (8000)			Initialize thewait timer to 8000 ms seconds VOM-203RRC0325
22 TBF1	? TIME	OUT t_Walms		(F)	
23	+lt_Rei	ceive_Measurement_Regort1			Step 6 in prose VA#2G3RRC0327
24	CANC	EL 1_WatMS			V0#203RRC0326
25		D_CellInfo8.downlinkPowerLevel:=tsc_0_DL_PowerLevel_23E _CellInfo8.downlinkPowerLevel:=tsc_0_DL_PowerLevel_43EM			Step 6 in prose; Initialise parameters such that t power levels at time T1 can be configured.

Step 6 in prose; Initialise parameters such that t power levels at time T1 can be configured.

ft_Step2 68	_To4_WithONWithoutCompMatk II(INOT pc_InterRAT_DL_CompressedModeRequired) AND (NOT pc_Inte		
10	rRAT_UL_CompressedModeRequired ()()		
9	AMTRIC_AM_DATA_REQ	cas_MeasurementControl (tst_CellDedicated, tst_RB2, cs_MeasurementControlInterRATMeas_Event3b_3c	Step 4 in prose Wwwf2G3RRC0323
70	[[pc_interRAT_DL_CompressedModeRequired] OR (pc_interRAT_UL_CompressedModeRequired)]	,,	
71	•It_PhyChReconf_CompresseModeActivate		
72	+ts_CalculateActTime (tsr_CellA)		
73	-ts_CPHY_T0CFN_250_252_254 (tsc_CellA)		
74	AM!RLC_AM_DATA_REQ	cas_MeasurementControl (1ss_CellDedicated, 1ss_RB2, cs_MeasurementControlInterRATMeas_Event3b_3c cs_MeasurementControlInterRATMeas_Event3b_3c cs_ddWth:CompMode (1cv_CellIndinfo.dl_IntegrityCheckinfo.tov_RRC_1), 3, CMIT, CMIT, 1ss_InterRATCellIndividualOffset, c_InterRAT_Event3d, 1cv_TOPERFCN, 1cv_TOCFN_252, 1cv_TOCFN_254, 1cv_TOCFN_250))	Step 4 in proce
75	[(pc_interRAT_DL_CompressedModeRequired.) AND (pc_interRAT_U L_CompressedModeRequired.)]		WA#203RRC0285
76	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REQ (tsc_CellA, ts c_DL_DPCH1, trv_ActTime, c_DPCH_CompressedModeStatusInfoActive_TGPSI List(bv_TGPSRFCN, 1,2,3, trv_TGCFN_252, tvv_TG CFN_254, trv_TGCFN_250))	Wwt203RRC0285 Wwt203RRC0286
77	CPHY?CPHY_RL_Modify_CNF	cq_CompressedModelrfoCNF (tsc_CellA, tsc_DL_ DPCH1)	VW4#203RRC0285
78	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_RE0 (tsc_CellA, ts c_UL_DPCH1, tsv_ActTime, c_DPCH_CompressedModeStatusInfoActive_TGP8I List)tsv_TGP8RFCN_1,2,3, tsv_TGCFN_252, tsv_TG CFN_254, tsv_TGCFN_250()	WA#203RRC0285 WA#203RRC0286
79	CPHY? CPHY_RL_Mostly_CNF	ca_CompressedModelnfoCNF (tsr_CellA, tsr_UL_ DPCH1)	VA#203RR00285
80	[pc_interRAT_DL_CompressedModeRequired]		VW#293RRC0285
81	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_RE0 (tsc_CellA, ts c_DL_DPCH1, tsv_ActTime, c_DPCH_CompressedModeStatusInfoActive_T0PSI List(tsv_T0PSRFCN, 1,2,3, tsv_T0CFN_252, tsv_T0 CFN_254, tsv_T0CFN_250))	VV#203RRC0285 VV#203RRC0286
02	CPHY 7 CPHY_RL_Mostly_CNF	ca_CompressedModelnfoCNF (1st_CellA, tst_DL_ DPCH1)	WA#203RR00285
83	[pc_InterRAT_UL_CompressedModeRequired]		WA#293RRC0285
84	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REG (tsc_CellA, ts c_UL_DPCH1, tst_ActTime, c_DPCH_CompressedModeStatusInfoActive_TGPSI List(tsv_TGPBRFCN, 1,2,3, _tsv_TGCFN_252, tsv_TG CFN_254, tsv_TGCFN_250))	VO#203RRC0285 VO#203RRC0286
85	CPHY? CPHY_RL_Mostly_CNF	ca_CompressedModeInfoCNF (tsr_CellA, tsr_UL_ DPCH1)	WA#203RRC0285
_	_WithOr/WithoutCompMode		
86	WNOT pt_InterRAT_DL_CompressedModeRequired) AND (NOT pt_Inte rRAT_UL_CompressedModeRequired))		
87	AMTRLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDesicated, tsc_RB2, cs_MeasurementControlReleaseInterRATMeas_Eve nt3dNoCompMode (tsc_CellIndinto.dl_IntegrityChec Mnfb, tsc_RRC_Tt, 3))	Step 8 in prose
88	[[pc_InterRAT_DL_CompressedModeRequired] OR (pc_InterRAT_UL_CompressedModeRequired)]		

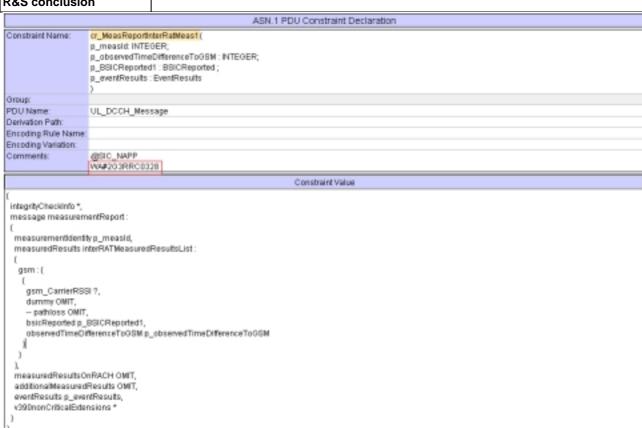
89	AMIRLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlReleaseInterRATMeas_Eve nt3d (tov_CellIndinto.dl_IntegrityCheckinfo, tov_RRC_Tt, 3, tov_TGPSRFCN_))	Step 8 in prose
90	[(pt_InterRAT_DL_CompressedModeRequired.) AND (pc_InterRAT_UL_ _CompressedModeRequired.)]		W#203RRC0285
91	CPHY1CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REQ (fsc_CeliA, fs c_DL_DPCH1, fxv_AcfTime, c_DPCH_CompressedModeStatusInfoDeactive(fxv_ TOPSRFCN, 1))	WA#2G3RRC0285
92	CPHY? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (toc_CellA, toc_DL_ DPCH1)	VO#293RRC0301 VO#293RRC0285
9:3	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusinfo_REG (tac_CellA, ta c_DL_DPCH1, tx_AstTime, c_DPCH_CompressedModeStatusinfoDeactive(tx_ TGPSRFCN, 2))	V0#203RRC0285
94	CPHY?CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_ DPCH1)	VA#2G3RRC0285
95	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REQ (tsc_CellA, ts c_DL_DPCH1, txv_ActTime, c_DPCH_CompressedModeStatusInfoDeactive(txv_ TGPSRFCN, 3))	WW#293RRC0285
96	CPHY?CPHY_RL_Mostly_CNF	ca_CompressedModeInfoCNF (tac_CellA, tac_DL_ DPCH1)	VA#203RRC0285
97	CPHY CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REQ (fsc_CelA, fs c_UL_DPCHI, kx_AcfTime, c_DPCH_CompressedModeStatusInfoDeactive(fcv_ TOPSRFCN, 1))	WA#203RRC0285
98	CPHY 2 CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_ DPCH1)	V0#293RRC0301 V0#293RRC0285
99	CPHY I CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REG (fac_CellA, fa c_UL_DPCH1, fxv_AcfTime, c_DPCH_CompressedModeStatusInfoDeactive(fxv_ TOPSRFCN, 2))	Vo#203RRC0285
00	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModelnfoCNF (1st_CellA, 1st_UL_ DPCH1)	W4#293RRC0285
101	CPHY1CPHY_RL_Mostly_REQ	ca_CompressedModeStatusInfo_REQ (tsc_CellA, ts c_UL_DPCH1, tor_ActTime, c_DPCH_CompressedModeStatusInfoDeactive(tor_ TOPSRFCN, 3))	WW293RR00285
102	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsr_CeliA, tsr_UL_ DPCH1)	V0#293RRC0285
103	[sc_interRAT_DL_CompressedModeRequired]	or only	W4#293RRC0285
104	CPHY1CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REQ (tsc_CellA, ts c_DL_DPCH1, tor_AcfTime, c_DPCH_CompressedModeStatusInfoDeactive(tor_ TOPSIRFON, 1.))	WA#293RRC0285
105	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (1sc_CellA, 1sc_DL_ DPCH1)	VW#293RRC0301 VW#293RRC0285
106	CPHY1CPHY_RL_Mostly_REQ	ca_CompressedModeStatusInfo_REG (tsc_Cella, ts c_DL_DPCH1, tov_ActTime, c_DPCH_CompressedModeStatusInfoDeactive(tov_ TGPSRFCN, 2))	V0#203RRC0285
107	CPHY ? CPHY_RI_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_Dl DPCH1)	VA#203RRC0285
108	CPHYTCPHY_RL_Modify_REQ ca_CompressedModeStatusInfo_REQ (tsc c_DL_DPCH1, tov_Acfilme, c_DPCH_CompressedModeStatusInfoDea		V0#293RRC0285
109	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsr_CellA, tsr_DL_ DPCH1)	V04#203RRC0285
110	[pc_interRAT_UL_CompressedModeRequired]		VA#203RRC0285
111	CPHY1CPHY_RL_Modify_REQ	ca_CompressedModeStatusInfo_REQ (tsc_CellA, ts c_UL_DPCH1, tov_AcfTime, c_DPCH_CompressedModeStatusInfoDeactive(tov_ TGPSRFCN, 1))	W#293RRC0285
112	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsz_CellA, tsz_UL_ DPCH1)	W4293RR08381 W4293RR08285

Detailed Co	omment		
122	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tst_RB2, cr_MeasReportInterRatMeas1 (3, CMIT, verifiedBSI C: tst_GBM_interRAT_CellA, c_interRATMeas_EvenrResults3a_3b_3c_3d(e3d,tst_GBM_interRAT_CellW))	(P) Step 5 in prose Vol#293RRC0327 Vol#293RRC0328
121	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportInterRatMeas (3, OMIT, verifiedBSIC : tsc_OSM_InterRatT_CellA, nonVerifiedBSIC : 7, c_InterRatTMeas_EventResuits3a_3b_3c_3d(e3d_/sc_OSM_InterRatT_CellA())	(P) Step 5 in prose WA#203RRC0327
120	AM ?FSLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, itsc_R82, cr_MeasReportInterRatMeas (3, OMIT, verifiedBSIC : tsc_OSM_interRatT_CellA, verifiedBSIC : tsc_OSM_interRatT_CellB, c_interRatTMeas_EventResults3 a_3b_3c_3d(e3d,tsc_OSM_interRatT_CellA())	(P) Step 5 in prose Vol#203RRC8327
t_Receive	Measurement_Report1	-	
119 TBF3	AM TRIC_AM_DATA_IND CANCEL 1_VAIMS	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportInterRatMeas (*,*,*,*,*))	(F)
118	? TIMEOUT L. WAIMS	1	(P)
117	START (_Www.8 (3*1000)		Initialize thewait timer to 3 s conds
IL_Receive	_no_Measurement_Report		
116	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tax_CellA, tax_UL_ DPCH1)	V0#203RRC0285
115	CPHY1CPHY_RL_ModNy_REQ	ca_CompressedModeStatusInfo_REQ (tsc_CellA, ts c_UL_DPCH1, tov_AcfTime, c_DPCH_CompressedModeStatusInfoDeactive(tcv_ TGPSRFCN, 3))	VW#293RRC0285
114	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsr_CellA_tsr_Ut DPCH1)	VO#203RRC0285
113	CPHYTICPHY_RL_Modify_REQ ca_CompressedModeStatusinfo_REQ (tsc_i c_UL_DPCH1, tov_ActTime, c_DPCH_CompressedModeStatusinfoDeacti TGPSRFCN, 2))		WA#203RRC0285

4.4 Other modifications relevant for tc_8_4_1_36

4.3.1 cr_MeasReportInterRatMeas1

TTCN object	cr_MeasReportInterRatMeas1
Reference ATS	IR_U_wk23.mp [2]
Change Label	WA#2G3RRC0328
Reason for change	In TC 8.4.1.36, cr_MeasReportInterRatMeas is used to receive a measurement report containing two measured results. Alternatively, the UE may send a measurement report containing only one measured result. A new constraint is required for this purpose.
Summary of change	Introduce new constraint cr_MeasReportInterRatMeas1 similar to cr_MeasReportInterRatMeas but containing only one measured result.
Other affected objects	tc_8_4_1_36
ETSI comment	
R&S conclusion	



4.5 Changes referred to from previous CRs

Table 2 below lists all Change Label/Affected TTCN Object combinations of changes in the RRC ATS required for tc_8_4_1_36, which also apply to one or more other test cases previously requested for approval and being defined unchanged in a previous CR issued by Rohde & Schwarz. For each change the document ID of the previous CR and the reference ATS are also shown.

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

Change Labels	Affected TTCN Objects	Ref. ATS	CR Docld
WA#2G3RRC0244	ts_RRC_ReceiveConnSetupCmpl	IR_U_wk23.mp [3]	T1s040361
WA#2G3RRC0292	IntersystemDef	IR_U_wk20.mp [3]	T1s040347
WA#2G3RRC0292	tcv_AcceptDetachFromPreviousCell	New	T1s040347
WA#2G3RRC0320	ts_CPHY_TGCFN_250_252_254	IR_U_wk23.mp [3]	T1s040361
WA#2G3RRC0321	c_DL_CommonInformation_EventTriggerCompModeDL_UL	IR_U_wk23.mp [3]	T1s040361
WA#2G3RRC0323	cs_MeasurementControlInterRATMeas_Eve nt3b_3c_3dNoCompMode	IR_U_wk23.mp [3]	T1s040361

5 Branches executed in test case 8.4.1.36

The test case was executed for the GSM 900 band in Combined Attach (CSPS) Mode, with automatic attach switched on and switched off, with Integrity activated and Ciphering disabled. UL and DL compressed modes were activated.

6 Supplementary information

6.1 ATS

The TTCN ATS containing modified tc_8_4_1_36 (IR_U_8_4_1_36.mp) is contained in T1s040365.zip [1].

6.2 Nokia 3G UE 7600 log files

The Nokia 3G UE 7600 passed this test case in Combined Attach (CSPS) mode, with automatic attach switched on and switched off, 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 T1s040365.zip [1]:

a1) Execution log files 8-4-1-36-Nokia-CSPS-AutAttachOn-UL-DL-compmode-PASS(900)-html-logs\Index.html

This execution log files in HTML format show the dynamic behaviour of the test's CSPS branch, 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.

a2) Execution log files 8-4-1-36-Nokia-CSPS-AutAttachOff-UL-DL-compmode-PASS(900)-html-logs\Index.html

This execution log files in HTML format show the dynamic behaviour of the test's CSPS branch, 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.

- b1) PICS/PIXIT file TC_8_4_1_36_Nokia_CSPS_AutAttOn_900_Pics_Pixit.txt Text file containing all PICS/PIXIT parameters used for a1).
- **PICS/PIXIT file TC_8_4_1_36_Nokia_CSPS_AutAttOff_900_Pics_Pixit.txt**Text file containing all PICS/PIXIT parameters used for a2).

7 References

[1]	T1s040365.zip Archive comprising HTML Execution log files, PICS/PIXIT files and the TTCN MP file for the current CR (supplementary information).
[2]	IR_U_wk23.mp ETSI RRC ATS version of week 23 (2004).
[3]	IR_U_wk20.mp ETSI RRC ATS version of week 20 (2004).
[4]	T1s040347 Previous R&S CR (on tc_6_2_1_1) containing change proposals also referred to in the current CR.
[5]	T1s040361 Previous R&S revised CR (on tc_8_4_1_35) containing change proposals also referred to in the current CR.
[6]	Anite's_additional_modifications to_8_4_1_35-MCC160comments.doc Additional modification proposals for tc_8_4_1_35 from Anite.

Annex A: List of change labels and affected TTCN objects

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

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

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0244	ts_RRC_ReceiveConnSetupCmpI	IR_U_wk23.mp [2]
WA#2G3RRC0285	tc_8_4_1_36	IR_U_wk23.mp [2]
WA#2G3RRC0286	tc_8_4_1_36	IR_U_wk23.mp [2]
WA#2G3RRC0292	tcv_AcceptDetachFromPreviousCell	New
WA#2G3RRC0292	IntersystemDef	IR_U_wk20.mp [3]
WA#2G3RRC0301	tc_8_4_1_36	IR_U_wk23.mp [2]
WA#2G3RRC0320	ts_CPHY_TGCFN_250_252_254	IR_U_wk23.mp [2]
WA#2G3RRC0321	c_DL_CommonInformation_EventTriggerCompModeDL_UL	IR_U_wk23.mp [2]
WA#2G3RRC0323	cs_MeasurementControlInterRATMeas_Event3b_3c_3dNoCompMode	IR_U_wk23.mp [2]
WA#2G3RRC0323	tc_8_4_1_36	IR_U_wk23.mp [2]
WA#2G3RRC0325	tc_8_4_1_36	IR_U_wk23.mp [2]
WA#2G3RRC0326	tc_8_4_1_36	IR_U_wk23.mp [2]
WA#2G3RRC0327	tc_8_4_1_36	IR_U_wk23.mp [2]
WA#2G3RRC0328	cr_MeasReportInterRatMeas1	New

CR-Form-v7 CHANGE REQUEST				
[≇] TS 34	.123-3 CR 377 # rev - # Cu	urrent version: 3.6.1		
For <u>HELP</u> on usir	ng this form, see bottom of this page or look at the po	op-up text over the ₩ symbols.		
Proposed change aff	fects: UICC apps第 ME Radio Acce	ess Network Core Network		
Title:	ddition of GCF P3 test case 8.3.2.12 to RRC ATS V	3.6.1		
Source: # R	Rohde & Schwarz			
Work item code:	I/A	<i>Date:</i>		
Reason for change:	## Jose one of the following categories: F (correction)	ase 8.3.2.12 required for		
Consequences if not approved:	See detailed change description for further inform **Test case will not be added to ATS	nation.		
Clauses affected:	₩ N/A			
Other specs affected:	Y N X Other core specifications 策 Test specifications O&M Specifications			
Other comments:	#			

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked \$\mathbb{K}\$ 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

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

Title: Changes to test case 8.3.2.12 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.2.12 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.

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3 Verification Test Summary

Test Case: TC_8_3_2_12

Test Group: RRC/ RRC_URA_Update /

ATS Version: iWD-TVB2003-03_D04wk26 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 8.3.2.12

4.1 Introduction

This section describes the changes required to make test case 8.3.2.12 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_wk26.mp which is part of the iWD-TVB2003-03_D04wk26 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

4.2 Tsc_RejCauRoam_NA (WA#RRC4336)

Test step name Tsc_RejCauRoam_NA

Reason for change To include reject cause Roaming not allowed.

Summary of change Added new constant tsc_RejCauRoam_NA

Source of change New change

Label WA#RRC44336

tsc_RejCauRoam_NA	RejCau	'0D'O	reject cause:
			Roaming not allowed in this location Area. WA#RRC433
			6

4.3 tcv_UE_SwitchOnRequired (WA#RRC4508)

Test step name tcv_UE_SwitchOnRequired

Reason for change To control the Switch ON commands when re using common test steps

Summary of change Introduced a new test case variable tcv_UE_SwitchOnRequired

Source of change New change

Label WA#RRC4508

cv_UE_SwitchOnRequired	BOOLEAN		This TCV is used in test step ts_MMI_U E_SwitchOn. When set to FALSE the M MI command is not sent. WA#RRC4508
------------------------	---------	--	--

4.4 Tc_8_3_2_12 (WA#RRC4500)

Test step name tc_8_3_2_12

Reason for change In the +ts_IdleUpdatedSpecial test step, after the location update is rejected

the test steps follows to do +ts_AT_TriggerGMM_Attach, this should not be

the case. Therefore introduced a new test step and deleleted

ts_AT_TriggerGMM_Attach.

Summary of change replaced +ts_GMM_IdleUpdatedSpecial_8_3_2_12 (tsc_CellB,tsc_StartRej)

for +ts_IdleUpdatedSpecial(tsc_CellB,tsc_StartRej)

Source of change New change

Label WA#RRC4500

4.5 Tc_8_3_2_12 (WA#RRC4505)

Test step name tc_8_3_2_12

Reason for change According to the prose Cell2 must be switched off.

Summary of change Changed the following in tc_8_3_2_12 Line 7 from +ts_SetAttenuationLevel

(tsc_CellB, 30) To +ts_SS_SwitchCellOff (tsc_CellB)

Source of change New change

Label WA#RRC4505

4.6 Tc_8_3_2_12 (WA#RRC4509)

Test step name tc_8_3_2_12

Reason for change In order to avoid the execution of the switch ON MMI commands.

Summary of change Assigned (tcv_UE_SwitchOnRequired:= FALSE) before +

pr_GotoState6_11_MO (tsc_CellA) and assigned (tcv_UE_SwitchOnRequired:= TRUE) after the test step

pr_GotoState6_11_MO (tsc_CellA)

Source of change New change

Label WA#RRC4509

Test Case Id:	tc_8_3_2_12		
Test Group Reference:	RRC/RRC_URA_Update/		
Purpose:	1.To confirm that the UE refrains from selects a of the list of LAs stored in the UE as "forbidden e UE reselects to a cell with the same LA identi	location areas for roaming". NOTE:	a LA identity that is part 8.3.2.1 is a test where th
Configuration:			
Defaults:	RRC_Def1		
Comments:	@SIC_NAPP		
1 - 5	Balandar Baradallar	One of the last Conf	

	Lab	Behaviour Description	Constraint Ref		Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+It_Init/ariables			Initial Test Case Variables
4		+ts_SS_CreateCellFACH (tsc_CellB)			Configure lower tester
5		+ts_SendDefSysInfo(tsc_CellB)			Sends the default system inf ormation in CellB
6		rs_GMM_IdleUpdatedSpecial_8_3_2_12 (tsc_CellB,t st_StartRei)	>		Reject with Localtion area no t allowed WA#RRC4500
7	/	Ms_SS_SwitchCellOff (1sc_CellB)			Step 2; Set Afte as per table 8.3.2.12-1 of T0 WwdRRC4505
8		(tcv_UE_SwitchOnRequired:= FALSE)			WAIFRRC4509
9		+ pr_GotoState6_11_MO (tsc_CellA)			Initial Test Case Variables
10		(ficy_UE_SwitchOnRequired:= TRUE)			WA#RRC4509
11	TBS	dcv_TestBody:=TRUE)		(P)	Initial Test Case Variables
12		+1s_TransetToLIRA_PCH_P4F_P18 (tsc_CellA)			Step 1. Bring UE to URA_PC H status
13		+it_TestBody			
14		+ts_C5_CheckURA_PCH(tsc_CellA)			
15	TBE	(tcv_TestBody:=FALSE)			
16		+po_ConnectionAndSS_Rel (tsc_CellA)			Postamble
17	ERR1	[px_RAT=tdd]		1	TDD specific behaviour
18	ERR2	[TRUE]		1	

4.7 ts_GMM_IdleUpdatedSpecial_8_3_2_12 (WA#RRC4501)

Test step name ts_GMM_IdleUpdatedSpecial_8_3_2_12

Reason for change In the +ts_IdleUpdatedSpecial test step, after the location update is rejected

the test steps follows to do +ts_AT_TriggerGMM_Attach, this should not be

the case. Therefore introduced a new test step and deleleted

 $ts_AT_TriggerGMM_Attach.$

Summary of change Removed ts_AT_TriggerGMM_Attach after

ts_MMIdleUpdatedSpecial_NMO_I

Source of change New change

Label WA#RRC4501

Test	Step ld:	ts_GMM_idleUpdatedSpecial_8_3_2_12 (p_Cellid : INTEGER; p_Caseld : INTEGER)					
Test	Step Gro	RRC_SS_Specific/					
Obje	ective:	Turn on UE and register for PS or combined PS/CS services / special cases					
Defa	ults:	NAS_OtherwiseFail					
Com	Initial conditions: - Cell referenced by p_Cellid is configured and sending Sysinfos on BCCH - UE is switched off with a USIM inserted Input parameters: - p_Cellid referencing the Cell - p_Caseld the special case to be executed [p_Caseld = tsc_StartRe[] : execute location update reject / attach reject procedures with cause LA not allowed, resulting in a deletion of st ored USIM parameters (LAI, RAI, TMSI, P-TMSI, CKSN etc) except that LAI and RAI are stored in the list of forbidden LAs and RAs. [p_Caseld = tsc_StartMSI] execute MSI attach (but do not assign TMIS, P-TMSI, etc) [p_Caseld = tsc_StartPLMN_Not]: execute location update reject / attach reject procedures with cause PLMN not allowed' W##RRC4501						
Nr	Label	Behaviour Description Constraint Ref V., Comments					
1		+ts_SeffrmpCellinfo (p_Cellid)					

Nr	Label	Behaviour Description	Constraint Ref	V	Comments
1		+ts_SefTmpCellinfo (p_Cellid)			
2		[(fcv_UE_OpMode = opModeA) AND (fcv_TmpCellinfo.nmo = tsc_NMO_())			If UE is in operation mode A a nd network mode of operation is I, then run combined PS/CS pr ocedures.
3		[pc_AutomaticAttachSwitchON]			ATTACH REQUEST was NOT yet received and the UE does not automatically attach at switch on
4		+ ts_MMI_UE_SwitchOn			@sic ER1664 sic@
5		+ts_RRC_ConnEst(p_Cellid, est_Reg, registration)			Establish RRC connection
6		+t_AtlachRequest			ATTACH REQUEST sent by th e UE (for PS attach or CS/PS of ombined procedure)
7		+It_GMMIdleUpdatedSpecial (p_CaseId)			
8		[NOT pc_AutomaticAtlachSwitchON]			ATTACH REQUEST was NOT yet received and the UE does not automatically attach at switch on
9		vs_MMI_UE_8wtxhOn			
10		+ts_MMidleUpdatedSpecial_NMO_I (p_Cellid, p_Caseld))		
11		Ofry UE_OpMode = opModeA) AND dry TmpCettinfo.nmo = bsr NMO_00			If UE is in operation mode A a nd network mode of operation

4.8 ts_GMM_ldleUpdatedSpecial_8_3_2_12: lt_GMMldleUpdatedSpecial (WA#RRC4504)

Test step name ts_GMM_IdleUpdatedSpecial_8_3_2_12: lt_GMMIdleUpdatedSpecial

Forbidden location area for roaming.

The Cause Location area not allowed will only store the LA Id to location areas for regional provision of service (Required when testing with

Auto Attach)

Summary of change Changed the Rejection Cause to Roam Not allowed

Source of change New change

Label WA#RRC4504

4.9 ts_GMM_ldleUpdatedSpecial_8_3_2_12: lt_GMMldleUpdatedSpecial (WA#RRC4506)

Test step name ts_GMM_IdleUpdatedSpecial_8_3_2_12: lt_GMMIdleUpdatedSpecial

Reason for change The Cell Config condition will be Cell –FACH and therefore the condition must

be checked and call the appropriate connection release procedure. (

Required when testing with Auto Attach)

Summary of change Changed the following in ts_GMM_IdleUpdatedSpecial_8_3_2_12:

It_GMMIdleUpdatedSpecial from +ts_RRC_ConnRel(p_CellId, cell_Dch) to

+lt_RRC_ConnRel

Source of change New change

Label WA#RRC4506

tt_6	MMIdleUpdatedSpecial (p_CaseId : INTEGER)		
19	p_CaseId = tsc_StartRej		execute location update reject / Attach reject procedures resulting in a deletion of stored USIM paramters (LAI, RAI, TMSI, P-TMSI, CKSN etc) except that LAI and RAI are stored in the list of forbidden LAs and RAs.
20	Dt I RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_R B3, cs_Attachive)(tsc_RejCauRoam_NA)	ATTACH REJECT - GMM cause Location Area Not Allowed 30PP 24.008/1 0.5.5.14.
21	+It_RRC_ConnRel		RRC connection release WatRRC4505

4.10 ts_MMIdleUpdatedSpecial_NMO_I (WA#RRC4337)

Test step name ts_MMIdleUpdatedSpecial_NMO_I

Forbidden location area for roaming.

The Cause Location area not allowed will only store the LA Id to location

areas for regional provision of service

Summary of change Changed the Rejection Cause to Roam Not allowed

Source of change New change

Label WA#RRC4337

4.11 ts_MMIdleUpdatedSpecial_NMO_I (WA#RRC4331)

Test step name ts_MMIdleUpdatedSpecial_NMO_I

Reason for change The UE should not be switched off/ON after the Location update Reject

procedure. If the UE is switched ON/OFF then the Forbidden list will be

erased.

Summary of change Removed +ts_MM_PwrOrUSIM_Off(tsc_USIM_NeedRmv) after

It_RRC_ConnRel,when p_StartType = tsc_StartRej

Source of change New change

Label WA#RRC4331

			Test Step		
Test:	Step (d)	Is MMidleUpdatedSpecial NMO_I (p_Collid: INTEGER; p_8	startType: INTEGER)		
Test	Step Grou	g Ref. BasicM_MM_GMM_Steps/			
Objec	dive:	To bring the UE into MM state Idle Updated - CS mode, spe	cial cases		
Defa	Atts:	NAS_OtherwiseFail			
Cam	ments:	Before idle-Updated can be used a Cell is to be created and added by test Step ts_CS_idle-Updated. In this test Step spe towarty of this test Step, including the general case.			
Nr	Label	Behaviour Description	Constraint Ref	V	Comments
1		+ts_BetTmpCellinto (p_Cellid)			Fetch BS_Cellinfo table correponding to the cell
2		START t_Dly (tst_TWaitLorUpeReq)			 Supervise the reception of the expected Location Updating Request
3		+ ts_RRC_ConnEst(p_callet, p_callet			Connection Establishment NO
4		Dc1RRC_Dataind (for_Stat = RRC_Dataind.start) CANCELt_Dly	car_intDirectTransfer (toc_CellDedicated, toc_FB3, db_LocUpdReqAny (?))		Any Location Update request
5		+ ts_SS_Securiti/DownloadStart (cs_domain, tsv_Start)			
6		[p_Starf?ype = tsr_StarfRe()			4.1 Start with LAI deleted and UE of activated WARRICK 4331
7	_	DcRRC_DataReq	to_DataReq(toc_CelDedicated, toc_Res; berty_chel(toc_Res(cauRosm_NA())		4.1.1 Lazation Updating Reject violating Rec4337
0		+It_RRO_ConnRel			Connection Release
9		ip StartType = tsr_StartMSt			4.2 To start without TMSI (MSI only)

4.12 ts_SS_ReconfNoDedicatedToCellFACH (WA#RRC4339)

Test step name ts_SS_ReconfNoDedicatedToCellFACH

Summary of change Added test step +ts_SS_RB_BCCH_FACH_Cfg_Selectively(p_CellId)

Source of change New change

Label WA#RRC4339

			Test Step		
Test Step ld: ts_SS_ReconfletDedcatedToCerFACH (p_Cells: INTEGER) Test Step Group Ret: BasicM_SS_Canfiguration_Steps/ Objective: To reconfig the cell from cell_FACH_NoDedcated to cell_FACH. Defaults: SS_Dat Comments:					
Nr	Label	Behaviour Description	Constraint Ref	٧	Comments
1 2		+ ts_SetTmpCellinfo (g_Cellid) [px_RAT = Rid]			
3		CMACTOMAC_Config_REQ	ca_ChinC_RecordingIndustriow.tp_Cellid, tsc_S_CCPCH 1, c_UE_info; for_TropCellinfo.eRNTi, tor_TropCellinfo.e RNTij, c_TrChinfoPCH_PACH_PS, c_TrLagMappingPCH _FACH_PSi)		map PCCH to PCH, and map CCCH , BCCH, DTCH and DCCH's to FAC H
4		CMAC ? CMAC_Config_CNF	ca_CMAC_Otycnf(s_Cellid, tax_B_COPCH1)		
5		CMACTCMAC_Config_REQ	ca_CMAC_ReconfiginfoActNow-tp_Cellid, tsc_PRACH1, c_UE_info(0MIT, tov_TimpCellinfo.cRNT0, cb_TrChinfoRA CH1, c_TrLogMappingRACH_DTCH)		CCCH, DCCH1, DCCH2, DCCH3, D CCH4 to RACH
θ		CMAC ? CMAC_Config_CNF	ca_CtMAC_CfgCnf(ji_Cellid, fsc_PRACH1)		
7		-ts_SS_RB_BCCH_FACH_Cfg_Selectively(p_Cellid)			WARRO4339
В	ERR1	[xx_RAT = 134]		1	
9	ERR2	[TRUE]		1	

4.13 tc_8_3_2_12 (WA#RRC4330)

Test step name tc_8_3_2_12

Reason for change To restore the power value for postamble procedures.

Summary of change Added the test step ts_SetAttenuationLevel (tsc_CellA, 0)

Source of change New change

Labe	el WA#RRC4330			
It_TestB	Body			
17	-ts_Se64tenuationLevel (tsc_CellE, 12)			Set Atte as per table 0.3.2.12-1 of T 1
18	+ts_Sel4ttenuationLevel (tsc_CellA, 18)			Set Atte as per table 9.3.2.12-1 of T 1
19	START t_WwitS			
20 TB	BF1 TM ? RLC_TR_DATA_IND CANCEL E-WWMS	car_URA_Update(tsc_Cell8, tsc_R80, cr_108_URA_U pdate (?,?,nsError.NULL))	(F)	
21 TB	BPI PTIMEOUT (_WaitS		(P)	Walt to check no response comes a in Call B
22	+ts_SetAtien.vationLevel.dsc_CellA, (i)			WARRO4330
It_Inff/ar	wistle			

4.14 tc_8_3_2_12 (WA#RRC4507)

Test step name ts_MMI_UE_SwitchOn

Reason for change To control the Switch on MMI commands by the variable

tcv_UE_SwitchOnRequired

Summary of change Added condition [tcv_UE_SwitchOnRequired = TRUE]

Source of change

New change

WA#RRC4507

	Test Step						
Test Step ld:	ts_MMI_UE_SwitchOn						
Test Step Group Ref	BasicM_UT_Steps/						
Objective:	To make the operator switch on the UE						
Defaults:	Defaults: UT_OtherwiseFail						
Comments:	WAFRC4507						
Lab	Lab Dehaviour Description Constraint Ref Comments						
1 try_UE	_SwitchOnRequired = TRUE]						
2 Ut! MWI	OmalReq	ca_MMI_CmdReq ("Please switch on the U E")					
3 Ut?MN	I_CmdCnf	ca_MMI_CmdCnf					
4 [TRUE]							

Branches executed in test case 8.3.2.12

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

5 Execution Log Files

5.1 Nokia 3G Ue 7600

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

• Execution log files 8_3_2_12_Auto_ON_Logs-Nokia\Index.html

This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

• PICS/PIXIT file 8_3_2_12-pics-pixit-Auto-ON-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing.

• Execution log files 8_3_2_12_Logs-Nokia\Index.html

This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in

message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

PICS/PIXIT file 8_3_2_12-pics-pixit-Nokia.html
Text file containing all PICS/PIXIT parameters used for testing.

6 References

[1] T1s040386

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST					
[♯] TS 3	378 CR 378 *rev - * C	Current version: 3.6.1			
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the p	oop-up text over the # symbols.			
Proposed change	affects: UICC apps器 ME Radio Acc	ess Network Core Network			
Title: #	Addition of RAB Package 3 test case 14.2.57 to RAE	3 ATS V3.6.1			
Source: ∺	Anite				
Work item code: ₩	N/A	<i>Date:</i>			
Category: ₩	B Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)			
Reason for change	E: # To add verified GCF package 3 RAB test case 7 V3.6.1	14.2.57 to the approved RAB ATS			
Summary of chang	This document lists all changes applied to test of 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 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:

- 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- just in front of the clause containing the first piece of changed text. which are not relevant to the change request.	-A to select it) into the specification Delete those parts of the specification

3GPP TSG-T1 E-Mail 2004

T1s040387

01 Jan - 31 Dec 2004

Title: Changes to test case 14.2.57 required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.57, 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.

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3 Verification Test Summary

Test Case: tc_14_2_57

Test Group: RAB/CombinationOnDPCH/InteractBackgrnd_InteractBackgrnd

ATS Version: iWD-TVB2003-03_D04wk26 + essential modifications

System Simulator used: Anite 3G U-SAT

UE used: Sony Ericsson Z1010

Verification Status: PASS

4 Corrections required for test case 14.2.57

4.1 Introduction

This section describes the changes required to make test case 14.2.57 run correctly with a 3G UE. The ATS version used as basis was RAB_wk26r1.mp, which is part of the iWD-TVB2003-03_D04wk26 release.

4.2 Change 1

Test step name	c_DL_AddReconfTransChInfoListAM_3_4k_RM192
Reason for change	According to 3GPP TS34.108 section:6.10.2.4.1.2.2.1.1: (Transport channel parameters for DL:3.4 kbps SRBs for DCCH) The value for the rate-matching attribute DCH5 in the DL for should be 192. In the Radio Bearer Setup message, DL DCH is mentioned to be same as UL DCH. For UL DCH rate-matching attribute is 170.
Summary of change	Added a new constraint, which is based on "c_DL_AddReconfTransChInfoListAM_3_4k" with explicit tfs_signalling mode for DL DCH 5.
Source of change	New change

```
ASN.1 Type Constraint Declaration
Constraint Name: c_DL_AddReconfTransChInfoListAM_3_4k_RM192 (p_DedTranChTFS:DedicatedTransChTFS)
Group:
Type Name:
                       DL_AddReconfTransChinfoList
Derivation Path:
Encoding Variation:
                       @SIC_NAPP
Comments:
                                                                               Constraint Value
  dl_TransportChannelType dch,
  d_transportChannelidenfitytsc_DL_DCH1,

d_transportChannelidenfitytsc_DL_DCH1,

tts_SignallingMode explicit_config : dedicatedTransChTFS : p_DedTranChTFS,

dch_QualityTarget { bler_QualityValue -20 },
  dummy OMIT
  dl_TransportChannelType dch,
  dl_transportChannelidentity.tsc_DL_DCH5,
tfs_SignallingMode explicit_config : dedicatedTransChTFS : c_DCH_148_TFS_UE_DL,
  dch_QualityTarget { bler_QualityValue -20 ),
  dummy OMIT
```

4.3 Change 2

Test step	ts_RB_SendRB_SetUp_DCH_64k_PS			
Reason for change	 Wrong value of T314 is used for "re-EstablishmentTimer". As per 34.108 default content for Radio Bearer Setup Message for PS RA 			
	T315 should be used.			
	2. Wrong value RM attribute for DL DCH5 (Refer 4.2).			
Summary of change	 Replaced "c_ReEstTimerT314" with "useT315" at row 2. 			
	Used "c_DL_AddReconfTransChInfoListAM_3_4k_RM192" instead of			
	"c_DL_AddReconfTransChInfoListAM_3_4k" at row 2.			
Source of change	New change			

```
+ ts_SetTmpCellInfo (p_Cellid)
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,
                                                      cb_RAB_infoListAM2_No_Pdcp (
                                                      ReEstTimerT314
                                                      p_RAB_Id,
                                                      p_RAB_ld2),
                                                        c_UL_CommTrChInfo_AM0To9(c_PowerOffsetInfoHigher64k) ,
                                                        c_UL_AddReconfTransChinfoListAM1 (c_DCH_340_TFS_20_T
                                                      C_UE),
                                                       c_DL_CommTrChinfo_AM_0To9
                                                      C_DL_AddReconfTransChInfoListAM_3_4R(c_DCH_340_TFS_20
                                                      c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode,
                                                      tsc_Sfc32, tcv_TmpCellinfo.dl_DPCH_2ndScrCode),
                                                      c_DL_CommoninformationRB_SetUp(tsc_Sfd32),
                                                      cb_UL_DPCH_info (tsc_Sf16, pi0_92, tcv_TmpCellinfo.uL_Scram
                                                      blingCode)
                                                      OMIT
                                                      )
AM ? RLC_AM_DATA_CNF
                                                      car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)
```

After:

```
+ ts_SetTmpCellinfo (p_Cellid)
AM I RLC_AM_DATA_REQ
                                                          cas_RB_SetUpAM_WithCnf(
                                                          tst_CellDedicated,
tst_RB2,
                                                          tsc_Mui,
                                                          cs_RRC_RB_SetUp(
                                                          tcv_Cellindinfo.dl_IntegrityCheckinfo,
                                                          tcv_RRC_Ti,
                                                          p_ActTime,
                                                          cell_DCH,
                                                          OMIT.
                                                          cb_RAB_infoListAM2_No_Pdcp (
                                                          useT315)
                                                          p_RAB_ld,
                                                          p_RA8_ld2),
                                                            c_UL_CommTrChinfo_AM0To9(c_PowerOffsetInfoHigher64k) ,
                                                            c_UL_AddReconfTransChinfoListAM1 (c_DCH_340_TFS_20_TC
                                                          _UE),
                                                          c_DL_CommTrChinto_AM_0To9,
C_DL_AddReconfTransChinfoListAM_3_4k_RM1921(c_DCH_340_T
                                                          FS_20_TC_UE);
                                                          c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode,
                                                          tsc_Sfc32, tcv_TmpCellinfo.dl_DPCH_2ndScrCode),
                                                          c_DL_CommoninformationRB_SetUp(tsc_Std32),
                                                          cb_UL_DPCH_info (tsc_Sf16, pi0_92, tcv_TmpCellinfo.uL_Scramb
                                                          lingCode)
                                                          OMIT
 AM ? RLC_AM_DATA_CNF
                                                          car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)
```

4.4 Change 3

Test step	ts_SS_2DCH_ModifyInteractiveBackGround_64k_PS	
-----------	---	--

Reason for change	According to 3GPP TS34.108 section:6.10.2.4.1.2.2.1.1: (Transport channel parameters for DL:3.4 kbps SRBs for DCCH) The value for the rate-matching attribute DCH5 in the DL for should be 192. In this test step "c_DCH_148_TFS_DL" is used in which the RM attribute is set to 170.
Summary of change	At row 4 and 6 replaced "c_DCH_148_TFS_DL" with "c_DCH_148_TFS_DL_RM192"
Source of change	New change

3	CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Cellid, tsc_DL_DPCH1)	
4	CPHYICPHY_TrCH_Config_REQ	ca_2_DCH_0_To9_DL_Info (p_Cellid, tsc_DL_DPCH1, c_TrChConfigTypeDCH_NoSHO_c_DCH_148_TF8_DL>c_DCH_ 340_TF8_20_TC, c_PowerOffsetInfoHigher64k ,p_ActTime)	2.
5	CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf(p_Cellid, tsc_DL_DPCH1)	
6	CMAC!CMAC_Config_REQ	ca_CMAC_Reconfiginfo (fsc_CellDedicated, fsc_DL_DPCH1, c_U E_info (ftcv_TmpCellinfo uRNTL ftcv_TmpCellinfo.cRNTl), c_TrCHI nfo_DL_2_0To9 (sc_DCH_148_TFS_DD_c_DCH_340_TFS_20_T C, c_PowerOffsetInfoHigher64k), c_TrLogMappingDL_2_Multiplex_P S.p_ActTime)	3.
7	CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated, tsc_DL_DPCH1)	

After:

3	CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Cellid, tsc_DL_DPCH1)	
4	CPHYICPHY_TrCH_Config_REQ	ca_2_DCH_0_To9_DL_info (p_Cellid, tsc_DL_DPCH1, c_TrChConfigTypeDCH_NoSHO;c_DCH_148_TFS_DL_RM192xc _DCH_340_TFS_20_TC, c_PowerOffsetInfoHigher64k ,p_ActTime)	2.
5	CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf(p_Celld, tsc_DL_DPCH1)	
6	CMAC I CMAC_Config_REQ	ca_CMAC_Reconfiginfo (fsc_CellDedicated, fst_DL_DPCH1, c_U E_info (ftv_TmpCellinfo_iRNTI, ftv_TmpCellinfo.cRNTI), c_TrCHI nfo_DL_2_0To9 (c_DCH_148_TFS_DL_RM192)c_DCH_340_TF S_20_TC, c_PowerOffsetInfoHigher64k), c_TrLogMappingDL_2_Multiplex_P S_p_ActTime)	3.
7	CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnfttsc_CellDedicated, tsc_DL_DPCH1)	

4.5 Change 4

Test step	cb_RAB_InfoListAM2_No_Pdcp
Reason for change	In the Radio Bearer Setup message UL and DL "logicalChannelIdentity" is set to OMIT in rb_MappinInfo for each RB. This is wrong. As per 25.331 section 8.6.4.8 RB mapping info 1> if, as a result of the message this IE is included in, several radio bearers can be mapped onto the same transport channel, and the IE "Logical Channel Identity" was not included in the RB mapping info of any of those radio bearers for a multiplexing option on that transport channel or the same "Logical Channel Identity" was used more than once in the RB mapping info of those radio bearers for the multiplexing options on that transport channel: 2> set the variable INVALID_CONFIGURATION to TRUE. Thus UL and DL "logicalChannelIdentity" needs to be set in rb_MappingInfo.
Summary of change	In the constraint changed UL and DL "logicalChannelIdentity" to tsc_UL_DTCH1 and tsc_DL_DTCH1 for RB 20 respectively and to tsc_UL_DTCH2 and tsc_DL_DTCH2 fpr RB22 respectively.
Source of change	New change

```
rb_InformationSetupList
{(-RB_InformationSetupList
   rb_ldentity tsc_RB20,
   pdcp_info OMIT,
   ric_infoChoice ric_info : c_RLC_infoAM_Def,
   rb_MappingInfo
    (-RB_MappingOption
     ul_LogicalChannelMappings oneLogicalChannel:
     ul_TransportChannelType.dch:tsc_UL_DCH1,
logicalChannelIdentityOMT
      rlc_SizeList configured :NULL,
     mac_LogicalChannelPriority 8
     dl_LogicalChannelMappingList
    {{
       dl_TransportChannelType.dch: tsc_DL_DCH1,
       logicalChannelIdentity(QMIT)
    (-RB_MappingInfo
     ul_LogicalChannelMappings oneLogicalChannel:
    {--UL_LogicalChannelMapping,
      ul_TransportChannelType rach: NULL,
      logicalChannelidentity tsc_UL_DTCH1,
      rlc_SizeList explicitList: { { rlc_SizeIndex 1 } , { rlc_SizeIndex 2 } },
      mac_LogicalChannelPriority 8
     dl_LogicalChannelMappingList
    {{
       dl_TransportChannelType fach:NULL_
       logicalChannelIdentity tsc_DL_DTCH1
    10
10
),
 rab_info
{ rab_identity gsm_MAP_RAB_identity: p_RAB_id2_
 on_DomainIdentity ps_domain,
 re_EstablishmentTimer.p_ReEstTimer
rb_InformationSetupList
{( -RB_InformationSetupList
   rb_identity tsc_RB24,
   pdcp_Info OMIT,
  rlc_infoChoice rlc_info : c_RLC_infoAM_Def,
   rb_MappingInfo
    (-RB_MappingOption
     ul_LogicalChannelMappings oneLogicalChannel:
     ul_TransportChannelType.dch:tsc_UL_DCH1,
     logicalChannelidentityOMIT,
      rlc_SizeList configured :NULL
     mac_LogicalChannelPriority 8
     dl_LogicalChannelMappingList
       dl_TransportChannelType.dch: tsc_DL_DCH1,
       logicalChannelIdentity(OMIT)
    10
```

After:

```
rb_InformationSetupList
({ -- RB_informationSetupList
   rb_identity tsc_RB20,
   pdcp_info OMIT,
   rlc_InfoChoice rlc_Info: c_RLC_InfoAM_Def,
   rb_MappingInfo
    {--RB_MappingOption
     ul_LogicalChannelMappings oneLogicalChannel:
      ul_TransportChannelType.drlv.tsr_UL_DCH1,
logicalChannelIdentilv1sc_UL_DTCH1)
      rlc_SizeList configured :NULL,
      mac_LogicalChannelPriority 8
     dl_LogicalChannelMappingList
     8
       dl_TransportChannelType dch: tsc_DL_DCH1,
       logicalChannelIdenthtsc_DL_DTCH1
    {--RB_MappingInfo
     ul_LogicalChannelMappings oneLogicalChannel:
     ( -- UL_LogicalChannelMapping,
      ul_TransportChannelType rach: NULL,
      logicalChannelIdentity tsc_UL_DTCH1,
      rtc_SizeList explicitList: { { rtc_SizeIndex 1}, { rtc_SizeIndex 2} },
      mac_LogicalChannelPriority8
     dl_LogicalChannelMappingList
     8
       dl_TransportChannelType fach:NULL,
       logicalChannelIdentity tsc_DL_DTCH1
   }
 38
ì,
rab_Info
{ rab_Identity gsm_MAP_RAB_Identity: p_RAB_Id2,
 cn_DomainIdentity ps_domain,
 re_EstablishmentTimer p_ReEstTimer
 rb_InformationSetupList
{{ -- RB_InformationSetupList
  rb_Identity tsc_RB22,
  pdcp_info OMIT,
   ric_infoChoice ric_info : c_RLC_infoAM_Def,
  rb_MappingInfo
    (--RB_MappingOption
    ul_LogicalChannelMappings oneLogicalChannel:
     ul_TransportChannelType.dch:tsc_UL_DCH1,
      logicalChannelIdentity(sc_UL_DTCH2)
      ric_SizeList configured : NULL
     mac_LogicalChannelPriority 8
    dl_LogicalChannelMappingList
       dl_TransportChannelType_dch: tac_DL_DCH1,
       logicalChannelidentity(sc_DL_DTCH2)
    33
    1.
```

4.6 Change 5

Test step	ts_CRLC_UL_CipherCfg_RAB	
Reason for change	Ciphering in UL should be activated independent of the PIXIT px_CipheringOnOff.	

	This is wrong.
Summary of change	Added a check for PIXIT px_CipheringOnOff at row 1 and 4
Source of change	New change

1		ca_CRLC_UL_CipherActReq (tsc_CellDedicated , p_CN_Domain, p_RB_ActivationTimeInfoList,p_I ncMode)	configure ciphering for signaling ra dio bearers @sic T1-031732 sic@
2	CRLC ? CRLC_Ciphering_Activate_CNF	ca_CRLC_CipherActCnf(tsc_CellDedicated)	

After:

ı	1	[px_CipheringOnOff]		
	2	CRLC I CRLC_Ciphering_Activate_REQ	ca_CRLC_UL_CipherArtReq (tsc_CellDedicated, p _CN_Domain, p_RB_ActivationTimeInfoList,p_Inc Mode)	configure ciphering for signaling radio b earers @sic T1-031732 sic@
l	3	CRLC ? CRLC_Ciphering_Activate_CNF	ca_CRLC_CipherActCnf(tsc_CellDedicated)	
ĺ	4	[NOT (px_CipheringOnOff)]		

4.7 Change 6

Test step	ts_RB_SubTest_RAB_SRB_RB20	
Reason for change	Wrong use of the timer to control the send of the measurement control during continuous data transmission: the SS have to check the returned data during this time. With the current code PDUs from the UE are received but these are caught wrongly by the "otherwise" mechanism as they are not expected.	
	For additional information refer to T1s-040254 change number 4.6.	
Summary of change	At row 11 and 12 instead of Start timer t_Dly call "ts_ReceiveFirstSDUs_RB20". This test step guarantees that at least one PDU in RB20 is received from the UE before sending the measurement control to the UE.	
Source of change	New change	

Before:

10	[tcv_result=TRUE]	
11	START t_Dly(tcv_max_Timer)	for TTCN Delay Step 15a.1
12	? TIMEOUT 1_Dly	
13	+ts_Simultaneous_Data_SRB_RB20(tcv_RB_Data1,p_RAB_Tx_info.rbTxinfoLis t_[0].nomOfSdu)	

After:

10	[tcv_result=TRUE]	
11	*ts_ReceiveFirstSDUs_RB20(tcv_RB_Data1)	for TTCN Delay Step 15a.1
		the SS also checks the retu med data during this time.
12	+ts_Simultaneous_Data_SRB_RB20(tcv_RB_Data1,p_RAB_Tx_info.rbTxdnfoList[0].nomOf Sdu)	

4.8 Change 7

Test step	ts_ReceiveFirstSDUs_RB20
Reason for change	Refer Change 4.7
Summary of change	Added a new test step, which will ensure that at least one PDU in RB20 is received from the UE before sending the measurement control to the UE.
Source of change	New change

	Test Step					
Test Ste	est Step Id: ts_ReceiveFirstSDUs_RB20 (p_data : BITSTRING)					
Test Ste	p Group Ref:	RB_Steps/RB	3_Subtests/			
Objectiv	re:					
Defaults	B:	RRC_Def1				
Comme	ents:					
Behaviour Description		Description	Constraint Ref	Ver	Comments	
1 START t_Dly (tcv_max_Timer)		(tcv_max_Tim			for TTCN Delay Step 15a.1	
2 AM ? RLC_AM_TestDatair d CANCEL t_Dly		_	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data(p _data))	(P)	15b.1	
3	(tcv_count_F	RB20:=1)				
4	?TIMEOUT t	Dly				

4.9 Change 8

Test step	ts_Simultaneous_Data_SRB_RB20
Reason for change	Due to change 4.7, the initialisation of tcv_count_RB20 to 0 is not required, as already first PDU is received in the test step ts_ReceiveFirstSDUs_RB20.
Summary of change	At row 2 removed the initialisation of tcv_count_RB20
Source of change	New change

Before:

1		AMIRLO_AM_DATA_REG	cas_MeasurementControl (tsc_CellDedicated, 1sc_R82, cs_MeasurementControlDefPeriodic (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_TmpCellInfo.priScrmCode))		159.2
2		(fcv_count_RB20 := 0))		
3		START t_Dly(1000)			@sic T1s040254 sic@
4	Get_R	AM ? RLC_AM_DATA_IND CANCE	car_MeasurementReport((P)	15b
	eport	L LDly	tsc_RB2, cr_MeasurementReportAny		

After:

\sim 1	tei.				
1		AM!RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_R82, cs_MeasurementControlDefPeriodic (tcv_CellIndinto.dl_IntegrityCheckInfo , tcv_RRC_Ti , tcv_TmpCellInfo.priScrmCode()		15a.2
2		START t_Dly(1000)			@sic T1s040254 sic@
3	Get_Re port	AM ? RLC_AM_DATA_IND CANCEL 1_Dly	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportArry)	(P)	15b

4.10 Change 9

Test step	ts_RB_SubTest_RAB_SRB_RB22
Reason for change	Wrong use of the timer to control the send of the measurement control during continuous data transmission: the SS have to check the returned data during this time. With the current code PDUs from the UE are received but these are caught

	wrongly by the "otherwise" mechanism as they are not expected.				
	For additional information refer to T1s-040254 change number 4.6.				
Summary of change	At row 11 and 12 instead of Start timer t_Dly call "ts_ReceiveFirstSDUs_RB22". This test step guarantees that at least one PDU in RB22 is received from the UE before sending the measurement control to the UE.				
Source of change	New change				

10	[tcv_result=TRUE]	
11	START t_Dly(tcv_max_Timer)	for TTCN Delay Step 15a.1
12	? TIMEOUT t_Dly	
13	+ts_Simultaneous_Data_SRB_RB22(tcv_RB_Data1,p_RAB_Tx_Info.rbTxinfoList (0).nomOfSdu)	

After:



4.11 Change 10

Test step	ts_ReceiveFirstSDUs_RB22
Reason for change	Refer Change 4.10
Summary of change	Added a new test step, which will ensure that at least one PDU in RB22 is received from the UE before sending the measurement control to the UE.
Source of change	New change

	Test Step					
Test Ste	st Step Id: ts_ReceiveFirstSDUs_RB22 (p_data : BITSTRING)					
Test Ste	ep Group Ref:	RB_Steps/RE	3_Subtests/			
Objectiv	/e:					
Defaults	B::	RRC_Deff				
Comments:						
Behaviour Description		Description	Constraint Ref	Ver	Comments	
1	START t_Dly er)	(tcv_max_Tim			for TTCN Delay Step 15a.1	
2	AM ? RLC_A d CANCEL t_D	_	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB22, c_TrD_Data(p _data))	(P)	15b.1	
3 (tcv_count_RB22:=1)		RB22:=1)				
4	?TIMEOUT t	Dly				

4.12 Change 11

Test step	ts_Simultaneous_Data_SRB_RB22	
Reason for change	Due to change 4.11, the initialisation of tcv_count_RB22 to 0 is not required, as already first PDU is received in the test step ts_ReceiveFirstSDUs_RB22.	
Summary of change At row 2 removed the initialisation of tcv_count_RB22		
Source of change	New change	

	Label	Behaviour Description	Constraint Ref		Comments
ī		AMIRLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlDefPeriodic (tcv_CellIndinfo.dl_integrityCheckinfo , tcv_RRC_Ti , tcv_TmpCellInfo.priScrmCode())		15a 2
		(tcv_count_RB22 := 0))		
		START t_Dly(1000)			@sic T1s040254 sic@
1	Get_Re port	AM ? RLC_AM_DATA_IND CANCEL t_Diy	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportAny	(P)	150

After:

711					
1		AM!RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2,		15a.2
			cs_MeasurementControlDefPeriodic (tcv_CellindInfo.dl_IntegrityCheckInfo ,		
			tcv_RRC_Ti , tcv_TmpCellinfo.priScrmCode))		
2		START t_Dly(1000)			@sic T1s040254 sic@
3	Get_R eport	AM 7 RLC_AM_DATA_IND CANCEL1_DIY	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportAny)	(P)	15b

4.13 Change 12

Test step ts_Subtests_1_to_5_tc_14_2_57		
Reason for change	RB ID used at row 5 is "tsc_RB21", this is wrong. It should be "tsc_RB22".	
Summary of change	mmary of change At row 5 instead of "tsc_RB21" use "tsc_RB22".	
Source of change	New change	

Before:

4	+ ts_RB_SubTest_RAB_SRB_RB20 (c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_4_5_9, c_UE_TestLoopMode1_LB_Setup2 (1272;tsc_RB20, 1 272; tsc_RB22), c_RAB_Tx_Info (p_Data_String, 1, c_RB_Tx_Info(tsc_RB20, 1272, 60), OMIT, OMIT, OMIT, 20)	Subtest 4 Steps 11-17
5	+ ts_RB_SubTest_RAB_SRB_RB22 (c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_4_5_9, c_UE_TestLoopMode1_LB_Setup2 (1272,tsc_RB20, 1272, tsc_RB22), c_RAB_Tx_Info (p_Data_String, 1, c_RB_Tx_Info (tsc_RB21) 1272, 60), OMIT, OMIT, OMIT, OMIT), 20)	Subtest 5 Steps 11-17

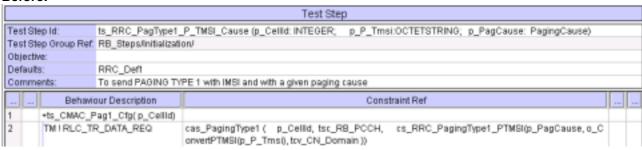
After:

4	+ ts_RB_SubTest_RAB_SRB_RB20 (c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_	Subtest 4 Steps 11-17
5	+ ts_RB_SubTest_RAB_SRB_RB22 (c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_	Subtest 5 Steps 11-17

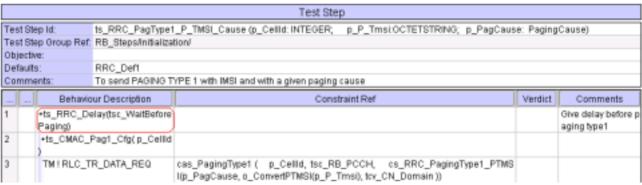
4.14 Change 13

Test step	ts_RRC_PagType1_P_TMSI_Cause	
Reason for change	After release of RRC Connection and before Paging Type 1 a delay is required to ensure that the UE configures its PCH and SCCPCH.	
Summary of change	At row 1 added a call to test step ts_RRC_Delay to introduce delay between RRC Connection Release and Paging Type 1 message	
Source of change	New change	

Before:



After:



4.15 Change 14

Test case Variable	tcv_SwitchPwr_Off
	After executing the test case for Interactive RAB, if UE supports Background RAB, then the power/switch off MMI prompt comes twice. Once from the test step
	then the power/switch off MMI prompt comes twice. Once from the test step ts_GMM_DetachOnSwitchOff and other form the test step ts_SS_CellCfg.

Summary of change	New Test case variable is added with default value set to TRUE
Source of change	New change

New Test Case Variable:

tcv_SwitchPwr_Off	BOOLEAN	TRUE	Switch/Power Off prompt to be used
			or not.

4.16 Change 15

Local Test Step and Test Case Body		
Reason for change	Refer to Change 4.15.	
Summary of change	At row 13 added a statement to set tcv_SwitchPwr_Off to FALSE.	
Source of change	New change	

Before:

	. • .	
11	+ts_GMM_DetachOnSwitchOff(tsc_CellA)	
12	+ po_ConnectionAndSS_Rel (tsc_CellA)	
13	(TRUE)	

After:

11	+ts_GMM_DetachOnBwitchOff(tsc_CellA)	1
12	+ pg_ConnectionAndSS_Rel (tsc_CellA)	1
13	(gcv_SwitchPwr_Off >= FALSE)	1
14	[TRUE]	1

4.17 Change 16

Test step	ts_SS_CellCfg
Reason for change	Refer to Change 4.15.
Summary of change	Passed tcv_SwitchPwr_Off as an additional input to the test step ts_MM_PwrOrUSIM_Off.
Source of change	New change

Before:

12	[tcv_NumCfgCell = 0]	1.
13	+ts_MM_Pwr0rUSIM_Off(tsc_USIM_N	Deactivate the UE
	eedRrm()	
14	[tcv_DefaultRadioCnf = TRUE]	3.

After:

12	[tcv_NumCfgCell = 0]		1.	
13	+ts_MM_PwrOrUSIM_Off(tsc_USIM_NeedRmv, tcv_SwitchPwr_Off))	Deactivate the UE	1
14	[tcv_DefaultRadioCnf = TRUE]		3.	1

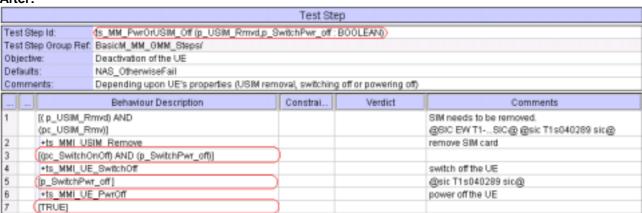
4.18 Change 17

Test step	ts_MM_PwrOrUSIM_Off
Reason for change	Refer to change 4.15.
Summary of change	 Added p_SwitchPwr_off as one more parameter. At row 3 an additional check is added for tcv_SwitchPwr_Off. If set to TRUE, test step ts_MMI_UE_SwitchOff will be called. At row 5 a check is added for tcv_SwitchPwr_Off. If set to TRUE, test step ts_MMI_UE_PwrOff will be called.

	At row 7 a [TRUE] statement is added which will ensure that test step execution continues in case tcv_SwitchPwr_Off is set to FALSE.
Source of change	New change

5 0.						
				Test Step		
Tes	t Ste	ep ld:	ts_MM_Pwr0rUSIM_Off (p_USIM_Rmwd: B00)	LEAN))		
Tes	t Ste	ep Group Ref:	BasicM_MM_OMM_Steps/			
Obje	ectiv	AGC	Deactivation of the UE			
Def	aut	8:	NAS_OtherwiseFail			
Con	nme	ents:	Depending upon UE's properties (USIM remov	al, switching of	f or powering	g off)
			Behaviour Description	Constraint	Verdict	Comments
1		[(p_USIM_Rr	myd) AND			SIM needs to be removed.
		(pt_USIM_Rr	mv)]			ളട്ടിC EW T1SIC ഇ ഇടിറ T1 s040289 ടിന്റെ
2		+ts_MMI_US	M_Remove			remove SIM card
3		(pc_SwitchOr	Off]			
4		+ts_MMI_UE	SwitchOff			switch off the UE
5		(TRUE)				@sic T1s040289 sic@
6		+ts_MMI_UE	_PerOff			power off the UE

After:



Branches executed in test case 14.2.57

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

5 Execution Log Files

5.1 Sony Ericsson Z1010

The Sony Ericsson Z1010 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]:

6 References

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

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

	CHANGE REQUEST		CR-Form-v7
[♯] TS 3	8 <mark>4.123-3</mark> CR ³⁷⁹	Current vers	ion: 3.6.1 ^第
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the	pop-up text	over the % symbols.
Proposed change	affects: UICC apps器 ME Radio Ac	cess Networ	ck Core Network
Title: 第	Addition of GCF P3 test case 14.2.58 to RAB ATS	/3.6.1	
Source: #	Rohde & Schwarz		
Work item code: ₩	N/A	Date: ₩	16/07/2004
Reason for change	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. To add verified GCF package 3 RAB test case V3.6.1 This document lists all changes applied to test	2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)
Consequences if	See detailed change description for further info	ormation.	
not approved:			
Clauses affected:	₩ <mark>N/A</mark>		
Other specs affected:	Y N X Other core specifications		
Other comments:	x		

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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

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

T1s040395

Title: Changes to test case 14.2.58 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.58 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.

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	ts_Simultaneous_Data_SRB_RB22 (WA#RAB4329)	15
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3 Verification Test Summary

Test Case: TC_14_2_58

Test Group: RAB/CombinationOnDPCH/InteractBackgrnd StreamUnknown/

ATS Version: iWD-TVB2003-03_D04wk26 + essential modifications

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

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 14.2.58

4.1 Introduction

This section describes the changes required to make test case 14.2.58 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_wk26.mp which is part of the iWD-TVB2003-03_D04wk26 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.58:

4.2 ts_RB_SendRB_SetUp_DCH_8k_8k_PS (WA#RAB4362)

Test step name ts_RB_SendRB_SetUp_DCH_8k_8k_PS

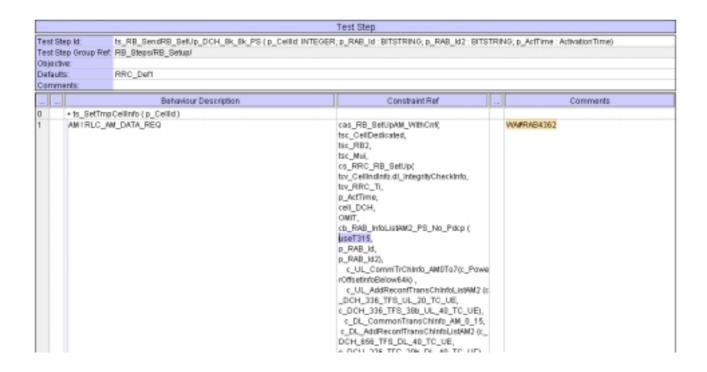
Reason for change Wrong "Establishment Timer" for a PS configuration. T315 should be used

instead of T314.

Summary of change Used "useT315" instead of "c_ReEstTimerT314" as parameter for the

"Establishment Timer" in the RAB setup message.

Source of change New Change



4.3 c_DCH_336_TFS_UL_20_TC_UE (WA#RAB4430)

Test step name c_DCH_336_TFS_UL_20_TC_UE

Reason for change Wrong value for the "logicalChannelList" IE for the transport channel

"tsc_UL_DCH1". "allSizes: NULL " should be used instead of "configured:

NULL"

Summary of change Used "allSizes: NULL" instead of "configured: NULL" as value for the

"logicalChannelList" IE.

Source of change New Change



4.4 c_DL_AddReconfTransChInfoListAM2 (WA#RAB4431)

Test step name c_DL_AddReconfTransChInfoListAM2

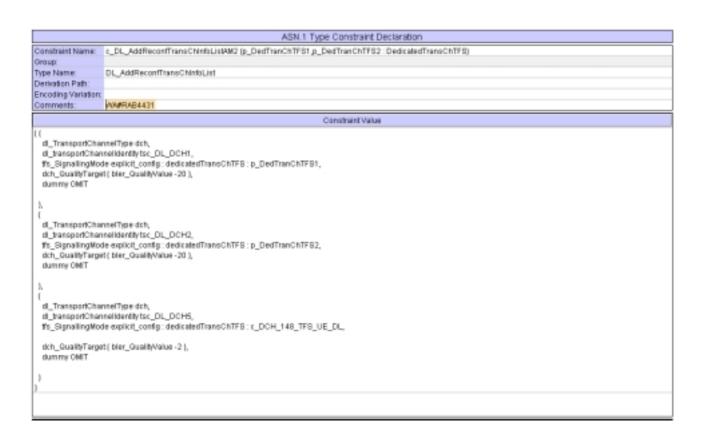
TS34.108 the value for "ch_QualityTarget" IE for "tsc_DL_DCH1" and "tsc_DL_DCH2" should be "bler_QualityValue-20" not "bler_QualityValue-2".

Summary of change Used a BLER quality value of -20 for for "tsc_DL_DCH1" and

"tsc_DL_DCH2".

Source of change New Change

Label WA#RAB4431



4.5 c TFCS Cmpl0 To7 Rx, c TFCS Cmpl0 To7 Tx (WA#RAB4100)

Test step name c_TFCS_Cmpl0_To7_Rx, c_TFCS_Cmpl0_To7_Tx

Reason for change Wrong ctfc size used.

Summary of change Used a CTFC size of 4 instead of 6.

Source of change New Change
Label WA#RAB4100

```
ASN.1 Type Constraint Declaration
Constraint Name: c_TFC8_Cmp10_To7_Rx
Group:
Type Name:
Derivation Path
Encoding Variation
Comments:
                     TFCS information with power offset information - for transmitter
                                                                                    Constraint Value
normalTFCI_Signalling: complete: {
ct/cSize ct/c4Bit(
  ( ctfc 4 0, powerOffsetInformation OMIT ),
  ctfc4 1, powerOffsetInformation OMIT )
  ( ctfc 4 2, powerOffsetInformation OMIT )
  { ctfc4 3, powerOffsetInformation OMIT },
  (ctfc4.4, powerOffsetInformation OMIT)
  ( ctfc 4 5, powerOffsetInformation OMIT ),
  { ctfc 4 6, powerOffsetInformation OMIT }
  { ctfc 4 7, powerOffsetInformation OMIT }
```

4.6 ts_RB_SendRB_SetUp_DCH_8k_8k_PS (WA#RAB4209)

Test step name ts_RB_SendRB_SetUp_DCH_8k_8k_PS

Reason for change Wrong payload sized used in the local configuration of RB20. It should be 640

instead of 320.

Summary of change Used new created test step (see point 4.7j) with the correct value of the

payload size for RB20.

Source of change New Change
Label WA#RAB4209

		Test Step		
Test Step ld:	ts_RB_SendRB_SetUp_DCH_8k_8k_P8 (p_Cellid: INTEGER;	p_RAB_id: BITSTRING; p_RAB_id2: BITST	TRING; p_ActTime	: AutivationTime)
Test Step Oroup Ret	RB_Steps/RB_Setup/			
Objective:				
Defaults:	RRC_Defl			
Comments:				
	Behaviour Description	Constraint Ref		Comments
100	A H F / A HIII			
	A H F 7 A H 11	2		
		3		
	M_DATA_CNF)) car_AM_DataMuiCnf (bsc_CellDedicated, f sc_RB2, bsc_Mui)		
2 AM 7 RLC_ 3 +8_55_30	NM_DATA_CNF CH_ModifyInteractiveBackGround_8k_8k_PS (p_Cellid, p_ActT	sc_RB2, tsc_Mul)		
2 AM ? RLC_3 3 +ts_SS_3C ime, c_DL_C	NM_DATA_CNF ICH_ModifyInteractiveBackGround_Bk_8k_PS (p_Cellid, p_ActT commoninformationRB_SetUp (tsc_Sfd32),	sc_RB2, tsc_Mul)		
2 AM 7 RLC_3 3 +8_98_30 6me, c_DL_0 cb_UL_DPC	M_DATA_CNF ICH_ModifyInteractiveBackGround_8k_8k_PS (p_Cellid, p_ActT terms on informationRB_SatUp (tac_Std32), H_into (tac_St32, pH , tax_TmpCellinfo.uL_SeramblingCode))	sc_RB2, tsc_Mul)		
2 AM 7 RLC_ 3 +ts_55_3C tme, c_D_C cb_UL_DPC 4 +ts_68_R	MI_DATA_CNF ICH_ModifyInteractiveBackGround_6k_6k_PS (p_Cellid, p_ActT commoninformationRB_SatUp (tsc_Sfd32), H_life (tsc_Sf32, ptf, tsv_TmpCellinfo.uL_SeramblingCode)) B20_AM_22_AM_Cfg_VM	sc_RB2, tsc_Mul)	WARRAB 4205	ı
2 AM 7 RLC_ 3 +ts_55_3C tme, c_D_C cb_UL_DPC 4 +ts_68_R	M_DATA_CNF ICH_ModifyInteractiveBackGround_8k_8k_PS (p_Cellid, p_ActT terms on informationRB_SatUp (tac_Std32), H_into (tac_St32, pH , tax_TmpCellinfo.uL_SeramblingCode))	sc_RB2, tsc_Mul)	WARRAB4200	

4.7 ts_SS_RB20_AM_22_AM_Cfg_WA (WA#RAB4190)

Test step name ts_SS_RB20_AM_22_AM_Cfg_WA

Reason for change Wrong payload sized used in the local configuration of RB20. It should be 640

instead of 320.

Summary of change Created new test step with the correct value to be used in WA#RAB4209 (see

point 4.6)

Source of change **New Change** WA#RAB4190 Label

			Test Step			
Test	Step ld:	ts_88_RB20_AM_22_	NM_Cfg_WA			
Test	Step Group Ref:	BasicM_RRC_Steps/				
Obje	ctive:	setup radio bearers : F	RB2D and 22 mapped on AM			
Defaults:		SB Def				
Com	ments:	WARRAB4190				
	Bet	haviour Description	Constraint Ref	Comments		
0		C_Config_REG	ca_RB_AM_into_RAB (sc_CellDedicated, fat_RB20, tcv_TimerPoliProhibit, tcv_TimerPoli, tcv_PoliSDU, tcv _PoliWindow, (uLlogicalChannelidentity tsc_UL_DTCH1, dLlogicalChannelidentity tsc_OL_DTCH1),640)	cofigure radio bear ers : RB20 (AM + DTCH)		
1	CRLC ? CR	LC_Config_CNF	ca_CRLC_CfgCnf(tsc_CellDedicated, tsc_RB20)			
2	CRLCICR	LC_Config_REG	ca_RB_AM_into_RAB (bsc_CellDedicated, tac_RB22, tov_TimerPoliProhibit, tov_TimerPoli, tov_PoliSDU, tov _PoliWindow, (uLlogicalChannelidentity tac_UL_DTCH2, dLlogicalChannelidentity tac_DL_DTCH2),320)	SS configuration of the radio bearer in formation : RB22 (AM + DTCH) @str ER 1492 st		
3	CRLC ? CF	RLC Config CNF	ca_CRLC_OfgCnf(sc_CellDedicated, tsc_RB22)	@		

4.8 ts_SS_3DCH_ModifyInteractiveBackGround_8k_8k_PS (WA#RAB4363)

ts_SS_3DCH_ModifyInteractiveBackGround_8k_8k_PS Test step name

Wrong RM attribute for the DL in the local configuration. Reason for change

Used constraint "c_DCH_148_TFS_DL_RM192" instead of "c_DCH_148_TFS_DL" Summary of change

New Change Source of change WA#RAB4363 Label

			Test Step	
p_Cellid:INTEGER; p_ActTime:ActivationTim		p_Cellid: INTEGER; p_ActTime: ActivationTim p_DL_CommonInformati	on : DL_Commoninformation;	
		TCH(subflow#1) to the Do	inel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transp CH1 and DTCH(subflow#2) to the DCH2 transport channel respectively. Used for interactive or background runt	
Default		RRC_Deff		
Comm	ents:			
L	. Be	haviour Description	Constraint Ref	 Comments
0	[pv_RAT = fo	id)		
1	CPHYICPH	Y_RL_Modify_REQ	ca_DL_DPCH_Modifyinto (p_Callid, tsc_DL_DPCH1, r_DL_DPCH_info (tsr_St:32, p_DL_Commoninform) after, tor_TmpCellinfo.dl_DPCH_2ndScrCode(,p_ActTime)	1.
2	CPHY?CPI	HY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Cellid, tor_DL_DPCH1)	
3	CPHYICPI	HY_TrCH_Config_REQ	ca_3_DCH_0_To15_DL_info (p_Cellid, tsc_DL_DPCH1, c_TChConfigTypeDCH_NoSHO, c_DCH_148_TFS_DL_RM192, c_DCH_656_TFS_DL_40_TC, c_DCH_338_TFS_38b_40_TC, c_PowerOffsetinfoHigher64k ,p_ActTime)	2. WARRAB4363
4	CPHY?CP	PHY_TrCH_Config_CNF	ca_TrChCfgCnt(p_Callid, tsc_DL_DPCH1)	
5	CMACIC	MAC_Cenfig_REQ	ca_CMAC_Reconfiginfo (sc_CellDedicated, tsc_DL_DPCH1, r_UE_info (tev_TmpCellinfo.uRNT1, tev_TmpCellinfo.uRNT1), r_TrCHinfo_DL_3_0To15 (r_DCH_148_TF8_DL_RM192, r_DCH_658_TF8_DL_40_TC, r_DCH_338_TF8_388_48_TC, r_PowerOffsetinfoHigher6440, r_TrLogMappingDL_3_PS,p_Acfilme)	3. WAARAB4383
6	CMAC ?	CMAC_Config_CNF	ca_CMAC_CfgCnt(tsc_CellDedicated, tsc_DL_DPOH1)	
7	CPHMC	PHY RI Modify REQ	ca U. DPCH Modificials Cellid by U. DPCHI p. U. DPCH Info. Addition)	1

4.9 ts_Subtests_1_to_7_tc_14_2_58 (WA#RAB4435)

Test step name ts_Subtests_1_to_7_tc_14_2_58

Reason for change Wrong TTI passed. The maximum TTI is 40 ms as this is the value for the DL

configuration.

Summary of change Passed a value of 40 ms instead of 20 as the "max TTI" value

Source of change New Change

Label WA#RAB4435

	Test Step	
Test	Step M: s_Bubblests_1_to_7_ts_14_2_56(p_Data_String: BITSTRING)	
	Step Oroup Ref. RB_Steps/RB_Subtests/	
	retive:	
	nits:	
Can	@SIC_NAPP	
	Behaviour Description	 Comments
)	+ ts_RB_BubTest_RAB_SRB_RB20 (c_TFC_Allowed_0_1_2_4_5, c_TFC_Allowed_0_1_8_9, c_UE_TestLoopMode1_LB_Setup2 (832)tsc_RB20, 312, tsc_RB22), c_RAB_Tic_info (p_Data_String, c_RB_Tic_info (tsc_RB20,632,80), OMIT, OMIT, OMIT, 40)	Subtest 1 Steps 11-17 WAPRAB443
	*is_RB_SubTest_RAB_SRB_RB20_Special_3(s_TFC_Allowed_0_1_2_4_5, c_TFC_Allowed_0_1_2_8_10, c_UE_Test_copMode1_UB_Setup2 (6 32 /sc_RB20, 312, tsc_RB22), c_RAB_Tx_info (p_Data_String_1, c_RB_Tx_info (tsc_RB20, 1272,60), c_RT_C_Info (ts	Subtest 2 Steps 11-17 WAPRAB4435 WAPRAB4436
2	+ts_RB_SubTest_RAB_SRB_RB20_Special_30;_TFC_Allowed_0_1_2_4_5,c_TFC_Allowed_0_1_3_B_11,c_UE_TestLoopMode1_LB_Setup2 (832;tsc_RB20,312,tsc_RB22),c_RAB_Tz_info (p_0 als_String, 1, c_RB_Tv_info (tsc_RB20,2552;60), CMIT, CMIT, 0MIT), 40, 1)	Subtest 3 Steps 11-17 WWFRAB4435 WWFRAB4435
3	+ ts_RB_SubTest_RAB_SRB_RB22 (c_TFC_Allowed_0_1_2_4_6, c_TFC_Allowed_0_4_9_12, c_UE_TestLoopModel_LB_Setup2 (632;tsc_RB2 0, 312, tsc_RB22), c_RAB_Tx_info (p_Data_String, 1, c_RB_Tx_info (tsc_RB22, 312, 30),	Subtest 4 Steps 11-17

4.10 ts_Subtests_1_to_7_tc_14_2_58 (WA#RAB4436)

Test step name ts_Subtests_1_to_7_tc_14_2_58

Reason for change Wrong test step used as "ts_RB_SubTest_RAB_SRB_RB20_Special" is

designed for a 4 RAB configuration (it uses "IB_SetupRB_IE4" in the third line for example). An analogous test step is needed for 2 RAB configuration.

Summary of change Used "ts_RB_SubTest_RAB_SRB_RB20_Special_3" (see point 4.10) instead

of "ts_RB_SubTest_RAB_SRB_RB20_Special" which handles two RAB

instead of 4.

Source of change New Change

		Test Step		
Test 8		ts_Subtests_1_to_7_ts_14_2_59(p_Data_String: BITSTRING) RB_Steps(RB_Subtests/		
	tje dive:			
	nauts: @SIC_NAPP			
COLLE	Here.	T.		Access to the
-11-				Comments
0		bTest_RAB_SRB_RB20 (c_TFC_Allowed_0_1_2_4_5, c_TFC_Allowed_0_1_B_9, c_UE_TestLoopMode1_LB_Setup2 (632;tsc_RB20, 122), c_RA0_Tc_into (p_Data_String,		Subtest 1 Steps 11-17
	C_RB_TICIN OMIT, OMIT, OMIT), 40)	fo(tsc_RB20,632,60),		WARRAB4435
	32,tsc_RB2 1.	bTest_RAB_SRB_RB20_Special_3(c_TFC_Allowed_0_1_2_4_5, c_TFC_Allowed_0_1_2_8_10, c_UE_TestLoopMode1_LB_Setup2 (6 0, 312, tsc_RB22), c_RAB_Tr_into (p_Data_String, fo(tsc_RB20,1272,60),		Subtest 2 Steps 11-17 WARRAB4435
	DMIT), 40,			WARRAD4436
2	632,tsc_RB 1,	drTest_RAB_BRB_RB20_Special_3(r_TFC_Allowed_0_1_2_4_5, c_TFC_Allowed_0_1_3_8_11, r_UE_TestLoopMode1_LB_Setup2 (20, 312, toc_RB22), r_RAB_Tx_Info (p_Data_String,		Subtest 3 Steps 11-17
	CMIT, CMIT,	fo(tsr_P8520,2552,80),		WARRAB4435
	0MIT), 40, 1)			WARRAB4436
3		lubTest_RAB_BRB_RB22 (c_TFC_Allowed_0_1_2_4_6, c_TFC_Allowed_0_4_8_12, c_UE_TestLoopMode1_LB_Setup2 (832/tsc_RB2 RB22), c_RAB_Tc_into (p_Data_String,		Subtest 4 Steps 11-17

4.11 ts_RB_SubTest_RAB_SRB_RB20_Special_3 (WA#RAB4432)

Test step name ts_RB_SubTest_RAB_SRB_RB20_Special_3

Reason for change Wrong test step used as "ts_RB_SubTest_RAB_SRB_RB20_Special" is

designed for a 4 RAB configuration (it uses "IB_SetupRB_IE4" in the third line for example). An analogous test step is needed for 2 RAB configuration.

Summary of change Created test step "ts_RB_SubTest_RAB_SRB_RB20_Special_3" based in

"ts_RB_SubTest_RAB_SRB_RB20_Special" but only for 2 RABs.

Source of change New Change

Test 6	itep id:	ts_RB_SubTest_R4B_SRB_RB20_Special_3 (p_TFC_UL, p_TFC_DL : TFC_Subset	p_TestLoopModeSetup : UE_Te	stLoopMode1LB,	Setup; p_RAB_Tr_in
		o: RabTxinfo.p_max_tti,p_ReceiveFactor :INTEGER)			
est 6	tep Group Ret	RB_Steps/RB_Subtests/			
Dejec	tve:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop RLC SDU. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1	o, then SS transmit on RB10 an R	LC SDU. UE sha	I send back the same
Defaults:		RRC_Defl			
Comn	nents:	@SIC_NAPP			
-	17	WAFRAB4432			17
-		Behaviour Description	Constraint Ref	Verdict	Comments
0	AMIRLC_AN		cas_TranporFormatCombCtriA Militac_CellDedicated, itsc_RB 2, ctsc_TransportFormatCombC tri (tor_CellIndinfo.d_IntegrityC heckinfo, tor_RRC_TI, p_TFC_ULJ)		Step 11
1	+ts_TC_Clo	iseUE_TestLoop(tsc_CellDedicated, tsc_UE_TestLoopMode1, p_TestLoopModeSet			Steps 12-13
2		spare_DataToBeReceived(p_RAB_Tv_Info.testData,BIT_TO_INT(p_TestLoopModeSetu B_IE1.rLC_SDU_Stze), p_RAB_Tv_Info.rbTvinfoLtst[0].sduStze)			
3	(tov_RB_I	Data1 := tcv_RB_testdata3)			
4		C_Restriction (toc_CellDedicated, p_TFC_UL, p_TFC_DL.)			CMAC Restriction
5	*ts_Send	DataInContineousTTX; p_RAB_Tx_Into)			Step 14a
5	txv_result				
7	(trv_max)	_Timer:=(p_mar_ti * 12) +(p_mar_ti/10))			Timer Value 12 times max til a ong the RABs + 11 % of max til
1	+ts_Rec ReceiveFacts	eiveData_R620_Special (lbv_R6_Data1.pRA6_Tx_Info.rbTidnfoList.[6].nomOfSdu.p x/)			Step 14b
3	+ts_Sen	dDataInContineousTTI(p_RAI)_Tx_Info)			
0	jtrv_res	ul=TRUE			
11	+ts_Re	celveFirstSDUs_RB20(bv_RS_Data1)			for TTCN Delay Step 15a.1
12		multaneous_Data_SRB_RB20_Special@ry_RB_Data1_a_RAB_Tx_Info:@TxinfoList([0] _Receive/Factor)			
3	+ ts_T	C_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
0	Bov_res	ult=FALBE		(0)	
11	+ 1s_T0	C_OpenUE_TestLoop (tsc_CellDadicated)			@sit T1s040254 lo@
3	flov_result			(0)	
7	+ ts_TC_	OpenUE_TestLoop (tsc_CellDedicated)			@sic T1 s040254 ic@

4.12 ts_Subtests_1_to_7_tc_14_2_58 (WA#RAB4436)

Test step name ts_Subtests_1_to_7_tc_14_2_58

Reason for change Wrong order in the parameters for RB20, RLC size and test data size are in

an inverted order.

Summary of change Corrected order.

Source of change New Change



	40)	
5	+1s_RB_BubTest_RAB_SRB_RB20_RB22_Bpecial (r_TFC_Allowed_0_1_2_3_4_5_6, r_TFC_Allowed_0_1_4_6_8_14, r_UE_TestLoopMode1 _LB_Setup2 (632,tsr_RB20, 312,tsr_RB22), r_RAB_Tx_Info (p_Data_String, 2	Subtest 6 Steps 11-17
	c_RB_Tr_Info(tsc_RB20, 1272, 60), c_RB_Tr_Info(tsc_RB22, 312, 30), cwit, cwit), 40,	VIAIRRAB4437
6	+ ts_RB_SubTest_RAB_SRB_RB20_RB22_Special (c_TFC_Allowed_0_1_2_3_4_5_6_7, c_TFC_Allowed_0_1_4_7_8_15, c_UE_TestLoopMode1_LB_Setup2 (632_tsc_RB20, 312, tsc_RB22), c_RAB_Tc_into (p_Data_String,	Subtest 7 Steps 11-17
	c_RB_Tr_Info(fsc_RB22, 312, 30), c_RB_Tr_Info(fsc_RB22, 312, 30), cwift, cwift), 40,	VIOLET CALLS A STATE OF THE STA
Detail	led Comment	

4.13 ts_RB_Prepare_DataToBeReceived (WA#RAB4379)

Test step name ts_RB_Prepare_DataToBeReceived

Reason for change Test cases variables tcv_RB_testdata1, tcv_RB_testdata2 and

tcv_RB_testdata3 need to be initialised otherwise they can inhierit the values

from the "interactive" part in the "background" one.

Summary of change Added line with the initialisation of that variables:

(tcv_RB_testdata1:="B,
tcv_RB_testdata2 :="B,
tcv_RB_testdata3 :="B)

Source of change New Change

Label WA#RAB4379

	Test Step		
Test Step Id:	is RB Prepare DataToBeReceived (p_Data ; BITSTRING; p_ULSDULength, p_DLTBSLength ; INTEGER)		
Test Step Grou	p Ref. RB_Steps/RB_Subtests/		
bjective:	UE shall send back the same RLC SDU.		
efaults:	RRC_Deft		
comments:	@SIC_NAPP		
	Behaviour Description	Comments	
	en =0.trv, testdata2_lien =0)		
try_RB	8_testdata1;="8, _!estdata2 :="8, _!estdata3 :="8)	WARRAS4379	
drv_L	.en = (p_ULSDULength - p_DLTBSLength))		
Bov_	RB_testdata1:=o_GetMostSignificantBits (p_Data, p_DLTBSLength())		
[tov.	Len >0]		
REPEAT It, Add UNTIL (toy Lending DUTBSLength)			
	_RB_testdata2=o_BitstringConcat(tx_RB_testdata2, o_GetMostSignificantBits (txv_RB_testdata1, txv_Len), rtdata2_lan, rt0		
	_RB_testidate3 itstringConcat(tov_RB_testidate1, tov_RB_testidate2,		

4.14 ts_RB_Prepare_DataToBeReceived (WA#RAB4380)

Test step name ts_RB_Prepare_DataToBeReceived

Reason for change Wrong preliminary verdict (F) use: the case [tcv_Len >0] is valid as well.

Summary of change Removed (F) fail verdict.

Source of change New Change
Label WA#RAB4380



5	REPEAT it_Add UNTIL (toy_Len<-p_DLTBSLength)	
6	<pre>(bv_RB_bastdata2:=o_BitstringConcat(bv_RB_testdata2, o_GetMostSignificantBits (tov_RB_testdata1, tov_Len), tov_testdata2_len, tov_Len()</pre>	
7	(tov_RB_testdata) = e_BitstringCencat()cv_RB_testdata1_tov_RB_testdata2, p_DLTBSLength, (tov_testdata2_len+tov_Len())	
8	[RUE]	WARRAB4380
4	[tx_Len <=0]	
6	(try_RB_testdata3 = p_GetMostSignificantBits (toy_RB_testdata1 , p_ULSDULength())	
6	TRUE	@sic T1s040254 5k@
It_Ad	id	_
0	Box Comman Di William and Comman Comm	

4.15 ts_RB_Prepare_DataToBeReceived (WA#RAB4381)

ts_RB_Prepare_DataToBeReceived Test step name

TTCN error: the local test step "lt_Add" must end in a [TRUE] statement otherwise the execution would be get stuck at this point. Reason for change

Added line with statement [TRUE] Summary of change

New Change Source of change WA#RAB4381 Label

	Test Step	
Test Step Id:	ts_RB_Prepare_DataToBeReceived (p_Data : BITSTRING; p_ULSDULength, p_DLTBSLength : INTEGER)	
Test Step Group Ref.	RB Steps/RB Subtests/	
bjective:	UE shall send back the same RLC SDU.	
refaults:	RRC_Deft	
comments:	@GC_NAPP	
	Behaviour Description	 Comments
try Len = 0.tr	xv. testdata2_len :=0)	
drv_Len=0,b	rv_lestdata2_len :=0)	
	rv_lestdata2_len :=0)	
_Add	rv_testdata2_len .=0)	
_Add	rv_testdata2_len .=0) X.TBSLength(
_Add		
_Add	DLTBSLength) tdsts2 == _BitstringConcat(trv_RB_testdata2,	
_Add trv_Len>p_D drv_RB_test	DLTBBLength) clate2 = o_BitstringConcat(tcv_RB_testclate2, data1,	
_Add	DLTBSLength tsists2 == _BitstringConcat(tzv_RB_testdata2, data1, 2_len,	
_Add trv_Len>p_C drv_RB_lest trv_RB_lest trv_testdata2 p_DLTBSLen	DLTBSLength tsists2 == _BitstringConcat(tzv_RB_testdata2, data1, 2_len,	
(_Add trv_Len+p_0 drv_RB_lest trv_RB_lest trv_testdata p_0.TBSLen cv_testdata	DLTBSLength tstatu2 == _BitstringConcat(tzv_RB_testdata2, data1, 2,len, ngth()	

4.16 ts_RB_SubTest_RAB_SRB_RB20, ts_RB_SubTest_RAB_SRB_RB22, ts_RB_SubTest_RAB_SRB_RB20_RB22 (WA#RAB4318)

Test step name ts_RB_SubTest_RAB_SRB_RB20, ts_RB_SubTest_RAB_SRB_RB22,

ts_RB_SubTest_RAB_SRB_RB20_RB22

Reason for change Wrong use of the timer to control the send of the measurement control during

continuos data transmission: the SS have to check the returned data during

this time.

With the current code PDUs from the UE are received but these are caught

wrongly by the "otherwise" mechanism as they are not expected.

Summary of change Used for each Subtest step a step of the type "ts_ReceiveFirstSDUs_..."

instead of the control timer (START and TIMEOUT).

Note: the picture shows only the change applied to

"ts_RB_SubTest_RAB_SRB_RB20" but this modification is needed in all the

mentioned test steps.

Source of change New Change

Label WA#RAB4318

			Test Step			
Test S			ts_RB_SubTest_RAB_SRB_R820 (p_TFC_UL, p_TFC_DL : TFC_Subset; p_TestLoc o.p_mac_ts :INTEGER) RB_StepsiRB_Subtests/	pModeSetup : UE_TestLoopMode	1LB_Setup; p_R	AB_Tx_Info: RabTxir
Objec	tive:		SS limits the UE allowed uplink transport format combinations, SS closes the test loop RLC SDU. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1	s, then SS transmit on RB10 an Rt	.C SDU. UE shall	send back the same
Defau	ills:		RRC_Def1			
Camr	men	ts:	@BIC_NAPP			
			Behaviour Description	Constraint Ref	Verdict	Comments
0	A	MIRLC_AM	A_DATA_REQ	cas_TranporFormatCombCtrlA M(tsc_CellDedicated, tsc_R82 , cbs_TransporFormatCombCtr		Step 11
4			DataInContineousTTI(p_RAB_Tx_Info)			Step 14a
5		flov_result				
6		dov_max	_Timer:=(p_max_til * 12) +(p_max_til/10))			Timer Value 12 times max til among the RAB + 10% of max til
7		*ts_Rec	elveData_RB20 (tcv_RB_Data1,p_RAB_Tx_lvrfo.rbTxdnfoList.(0),normOfBdu)			Step 14b
8		+ts_Ser	ndDataInContineousTTI(p_RAB_Tx_info)			
9		Box_res	ult-TRUE]			
10		+ts_Re	ocelveFirstSDUs_RB20(for_RB_Data1)			for TTCN Delay Step 15a.1
						YWWRAB431B
11	u	0	imultaneous_Data_SRB_RB20()cv_RB_Data1,p_RAB_Tr_info rbTdnfbList.(0), nom OfSd			
12			C_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
9		[flov_res	ult-FALSE]		(0)	
10		+ ts_T0	C_OpenUE_TestLosp (tsc_CellDedicated)			優勝にT1±04025 9回線

4.17 ts_ReceiveFirstSDUs_RB20, ts_ReceiveFirstSDUs_RB22 (WA#RAB4332)

Test step name ts_ReceiveFirstSDUs_RB20, ts_ReceiveFirstSDUs_RB22

Reason for change Wrong use of the timer to control the send of the measurement control during

continuos data transmission: the SS have to check the returned data during

this time.

With the current code PDUs from the UE are received but these are caught

wrongly by the "otherwise" mechanism as they are not expected.

Summary of change Included a new test steps "ts_ ReceiveFirstSDUs_RB20" and "ts_

ReceiveFirstSDUs_RB22" which catches the PDUs send on RB20 by

the UE during the delay of prose step 15a.1

Same for RB22.

Source of change New Change

Label WA#RAB4332

			Test	Step	
ľα	st St	ap lid:	ts_ReceiveFirstSDUs_RB20 (p_data : BITSTRINO)		
Ter	at Sh	ap Group Ref.	RB_Step s/RB_Subtests/		
Ob	jectiv	rec			
De	tault	E	RRC_Deft		
Co	mme	ents:	WARRAB4332		
_	-		Behaviour Description	Constraint Ref	Comments
0		START t_Dly	(trv_max_Timer)		for TTCN Delay Step 15a.1
1		dov_count_R	RB20 > 0)		
2	Ce LD ata		AM_TestDataInd	car_RLC_AM_DataInd (tsc_CeliDedicated, ts c_RB20, c_TiO_Data (p_data))	15b.1
3			RB20:=tcv_count_RB20=1)		
4		-> Get_Dat	is .		
2		?TIMEOUT1	. Dly		

4.18 ts_Simultaneous_Data_SRB_RB20, ts_Simultaneous_Data_SRB_RB20_Special, ts_Simultaneous_Data_SRB_RB22 (WA#RAB4329)

Test step name ts_Simultaneous_Data_SRB_RB20,

ts_Simultaneous_Data_SRB_RB20_Special,

ts_Simultaneous_Data_SRB_RB22

Reason for change Due to WA#RAB4318 (see point 4.16) the initialisation of the variables

tcv_count_RB20 and tcv_count_RB20 to 0 is not needed anymore as this variables are updated in the previous "ts_ReceiveFirstSDU_..." test steps.

Summary of change Removed line with the inisialisation of tcv_count_RB20 and tcv_count_RB20

to 0.

Note: the picture shows only the change applied to

"ts_Simultaneous_Data_SRB_RB20" but this modification is needed in all the

mentioned test steps.

Source of change New Change

Label WA#RAB4329

		Tes	st Step		
Test Step Group Ref: Objective: Defaults: Comments:		is_Simultaneous_Data_SRB_RB20 (p_data : BITSTRING;p_no_of_sdus: INTEGER) RB_StepsiRB_Subtests/ RRC_Deft @SIC_NAPP			
		Behaviour Description	Constraint Ref	Verdict	Comments
	AM I RLC_AM	_DATA_REQ	cas_MeasurementControl (tisc_CellDedicated, tisc_R82, cs_MeasurementControlDefPe nodic (tov_Cellindinfo.dl_IntegrityC hackinto, tov_RRC_Ti, tov_TmpCellinfo.priScrmCo del)		159.2
	START t_Diy	(1000)			@sic T1 s040254 : ic@
t_R ep art		M_DATA_IND CANCEL1_DIy	car_MeasurementReport(tsc_CellDedicated, tsc_R82, cr_MeasurementReportAny	(P)	150

4.19 ts_Simultaneous_Data_SRB_RB20_RB22, ts_Simultaneous_Data_SRB_RB20_RB22_Special (WA#RAB4440)

ts_Simultaneous_Data_SRB_RB20_RB22, Test step name

ts_Simultaneous_Data_SRB_RB20_RB22_Special

Due to WA#RAB4318 (see point 4.16) it is necessary to initialise the Reason for change

variable "tcv_Res" to FALSE again (as the "ts_ReceiveFirstSDU_..."

modify its value to TRUE).

Added line with the assignment "tcv_Res":=FALSE. Summary of change

Note: the picture shows only the change applied to "ts_Simultaneous_Data_SRB_RB20_RB22" but this modification is needed in

all the mentioned test steps.

New Change Source of change

WA#RAB4440 Label

	Tes	t Step		
Test Step Id: Test Step Group Re Objective: Defaults: Comments:	ts_Simultaneous_Data_SRB_RB20_RB22 (p_data1,p_data2 : BIT f. RB_Steps:RB_Subtestar RRC_Def1 @SIC_NAPP	STRING; p_RAB_Tic_linfo: RabTidinfo)		
	Behaviour Description	Constraint Ref	Verdict	Comments
0 ANTRLC_A	M_DATA_REO	cas_MeasurementControl (toc_CellDedicated, toc_RB2, es_MeasurementControlDefPe modic (tov_CellIndInfo.dL_IntegrityC teckintle, tov_RRC_Ti, tov_TmpCellInfo.priScrmCo de()		152.2
trv_Res =	FALSE)			WARRAB4440
2 START 1_C	06(1000)			@sic T1 s040254 s
Ge AMPRIC LR	_AM_DATA_IND CANCEL1_Dly	car_MeasurementReport(tsc_CellDedicated,	(P)	15b

4.20 ts_Simultaneous_Data_SRB_RB20_RB22_Special (WA#RAB4442)

Test step name ts_Simultaneous_Data_SRB_RB20_RB22_Special

Reason for change TTCN error SDU counter for RB22 should be "tcv_count_RB22" not

"tcv_count_RB20"

Summary of change Corrected error.

Source of change New Change
Label WA#RAB4442

		Test Step	
Fest Ste Fest Ste	ip ld: ts_Simultaneous_Data_SRB_RB20_RB22_Special (p_di ip Group Ref: RB_Steps:RB_Subtestor	ata1,p_data2 : BITSTRINO; p_RAB_Tx_Info: RabTxtnfo;p_ReceiveFactor : 8	(TEGER)
Objectiv			
Default	s: RRC_Defi		
Damme	Ints: @SIC_NAPP		
	Behaviour Description	Constraint Ref Verdic	t Comments
)	AN I RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated,	15a.2
	+ts_Ext_lestcase		
URece	tw2		
	AM ? RLC_AM_TestDataind	cat_RLC_AM_Dataind (tec_Ce) IDedicated, tsc_RB20, c_TrD_ Data (p_data1))	Step 15b.1
	(tzv_count_RB20:= tcv_count_RB20 + 1)		
	• I_CheckRes		
	AM? RLC_AM_TestDataInd	car_RLC_AM_Dataind (tec_Ce iDedicated, tec_R822, c_TrD_ Data (p_data2))	Step 15b.1
	(try_count_RB22 = tcy_count_RB22 + 1)		WARRAB4442
	+ It_CheckRes		
Chec	isRes		

4.21 ts_ReceiveFirstSDU_RB20_RB22 (WA#RAB4339)

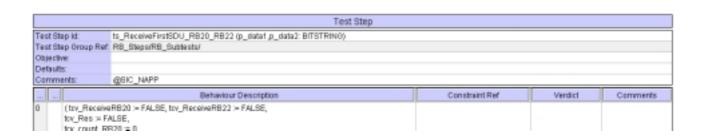
Test step name ts_ReceiveFirstSDU_RB20_RB22

Reason for change TTCN error: the local test step "It_CheckStatus" must end in a [TRUE]

statement otherwise the execution would be get stuck at this point.

Summary of change Added line with statement [TRUE]

Source of change New Change
Label WA#RAB4439





5 Branches executed in test case 14.2.58

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

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- Execution log files 14_2_58_PS-Nokia-Logs\Index.html
 - This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- PICS/PIXIT file 14_2_58-pics-pixit-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040396

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

Tdoc #T1s040398

CHANGE REQUEST				
[♯] TS 3	4.123-3 CR 380	0	- 第 Current vers	3.6.1 ³
For <u>HELP</u> on u	ing this form, see botto	om of this page or loc	ok at the pop-up tex	t over the ♯ symbols.
Proposed change	ffects: UICC apps#	ME R	Radio Access Netwo	rk Core Network
Title: #	Addition of GCF P1 tes	st cases 8.1.7.1 to RF	RC ATS v3.6.1	
Source:	Anite			
Work item code: ₩	N/A		Date: ₩	19/07/04
Reason for change	B (addition of feature C (functional modifical Detailed explanations of the found in 3GPP TR 21. ** ** To add verified Go V3.6.1 This document lises	a correction in an earlier re), cation of feature) ation) the above categories ca 900. CF package 1 RRC to	2 r release)	the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) the approved RRC ATS
Consequences if	# Test case will not	nge description for fur be added to ATS	rther information.	
not approved:				
Clauses affected:	X			
Other specs affected:	Y N Other core X O&M Spec	specifications 원		ubmitted for the T1-24
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- just in front of the clause containing the first piece of changed text. which are not relevant to the change request.	-A to select it) into the specification Delete those parts of the specification

3GPP TSG-T1 E-Mail 2004

T1s040398

01 Jan - 31 Dec 2004

Title: Changes to test cases 8.1.7.1 required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 8.1.7.1, which are part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

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3 Verification Test Summary

Test Case: TC_8_1_7_1

Test Group: RRC_SecurityModeCtrl

ATS Version: iWD-TVB2003-03_D04wk26 + essential modification

System Simulator used: Anite CT

UE used: Nokia 7600 and Motorola A835

Verification Status: PASS

4 Corrections required for test cases 8.1.7.1

4.1 Introduction

This section describes the changes required to make test cases 8.1.7.1 run correctly with a 3G UE. The ATS version used as basis was RRC_wk26r2.mp, which is part of the iWD-TVB2003-03_D04wk26 release.

4.2 Change 1

Local Tree and Test step	Tc_8_1_7_1
Reason for change	line#48 of test case 8_1_7_1, is "ts_CMAC_DL_CipherCfg". This configures only DL MAC ciphering. UL MAC ciphering also needs to be configured.
Summary of change	line#48 of test case 8_1_7_1 is replaced to "ts_CMAC_UL_DL_CipherCfg"
Source of change	New change

It_88_ValidSecurity		
40	+ It_InitSecurityVariables	
41	It_CalculateAcfTime	
42	+ ts_SS_DownloadSecurityKey (ts c_CellA, tcv_AuthCK, tcv_AuthIK,OMI T,tcv_CN_Domain)	
43	+ts_CRLC_GetRLC_SeqNumSec urity (tsc_CellA)	
44	+ts_CRLC_SuspendSecurity(ts c_CellA)	
45	+ It_CRLC_Dt_CipherCfg	Configure ciphering for R LC (RBs 1, 2, 3 and 4)
48	+ ts_CRLC_DL_Integrity (tcv_C ellIndinfo.dL_Integrity)	
47	+ ts_RB2_UL_IntegrityActivate(tc y_RRC_MSN_RB2_UL)	
48	+ ts_CMAC_DL_CipherCfg (t cy_Cellindinfo.dL_CipherMode, tcv_ ActTime , incPerCFN_Cycle)	

After:

It_SS_ValidSecurity		
41	+ It_InitSecurityVariables	
42	+ It_CalculateActTime	
43	+ ts_SS_DownloadSecurityKey (ts c_CellA, tcv_AuthCK, tcv_AuthIK,OMI T,tcv_CN_Domain)	
44	+ ts_CRLC_GetRLC_SeqNumSec urity (tsc_CellA)	
45	+ ts_CRLC_SuspendSecurity (ts c_CellA)	
46	+ It_CRLC_DL_CipherCfg	Configure ciphering for R LC (RBs 1, 2, 3 and 4)
47	+ts_CRLC_DL_Integrity (tcv_C ellIndInfo.dL_Integrity)	
48	+ ts_RB2_UL_integrityActivate(tc v_RRC_MSN_RB2_UL)	
49	+ts_CMAC_UL_DL_CipherCfg (tcv_CellIndInfo.dL_CipherMode, tcv_ActTime , incPerCFN_Cycle)	

4.3 Change 2

Local Tree and Test step	cs_RRC_SecModeCmdOMIT	
Reason for change	1. In Step 4 of test case 8_1_7_1 invalid security mode command is transmitted. As per 25.331 in the security mode command, IE "UE system specific security capability" is included if the IE "Inter-RAT UE radio access capability" was included in RRC CONNECTION SETUP COMPLETE message. But in security mode command (step 4), IE "UE system specific security capability" is not present.	
Summary of change	 cs_RRC_SecModeCmdOMIT is modified to include UE system specific security capability in the message Step 4 is modified to transmit the modified security mode command. 	
Source of change	New change	

```
ASN.1 Type Constraint Declaration
                  cs_RRC_SecModeCmdOMIT (p_RRC_Ti : RRC_TransactionIdentifier; p_cn_domain : CN_DomainIdentify; p_SecurityCapability : BI
Constraint Name:
Group:
Type Name:
                   SecurityModeCommand
Derivation Path:
Encoding Variation:
                   Contraint with No ciphering mode info nor integrityProtectionModelnfo IEs
Comments:
                                                               Constraint Value
r3:(securityModeCommand_r3
 rrc_Transactionidentifier p_RRC_Ti,
  securityCapability
  cipheringAlgorithmCap p_SecurityCapability,
  integrityProtectionAlgorithmCap tsc_IntegrProtAlgCap
 cipheringModelnfo OMIT,
 integrityProtectionModeInfo OMIT,
 cn_DomainIdentity p_cn_domain
laterNonCriticalExtensions OMIT
```

After:

```
ASN.1 Type Constraint Declaration
Constraint Name: cs_RRC_SecModeCmdOMIT ( p_RRC_TI : RRC_Transactionidentifier, p_cn_domain : CN_DomainIdentify, p_SecurityCapability
                  : BITSTRING p_SystemSpecCap: InterRAT_UE_SecurityCapList)
Group:
Type Name:
                  SecurityModeCommand
Derivation Path:
Encoding Variation:
                  Contraint with No ciphering mode info nor integrityProtectionModelnfo IEs
Comments:
                                                            Constraint Value
r3:{ securityModeCommand_r3
 mt_TransactionIdentifier p_RRC_Ti,
 securityCapability
  cipheringAlgorithmCap p_SecurityCapability,
  integrityProtectionAlgorithmCap tsc_IntegrProtAlgCap
 cipheringModeInfo OMIT,
 integrityProtectionModeInfo OMIT,
 cn_DomainIdentity p_cn_domain,
 ue_SystemSpecificSecurityCap.p_SystemSpecCap
 laterNonCriticalExtensions OMIT
```

4.4 Change 3

Local Tree and Test step	TC_8_1_7_1
Reason for change	 In Step 4 of test case 8_1_7_1 invalid security mode command is transmitted. As per 25.331 in the security mode command, IE "UE system specific security capability" is included if the IE "Inter-RAT UE radio access capability" was included in RRC CONNECTION SETUP COMPLETE message. But in security mode command (step 4), IE "UE system specific security capability" is not present. Refer to ANITE T1-24 CR T1-041157
Summary of change	Step 4 is modified to transmit the modified security mode command.

Source of change	New change
------------------	------------

DCIOIC.				
tt_TestBo	dy			
13		(trv_AuthRAND := o_Bitstringktract(trv_AuthRAND, 128,128, 3))		New RAND different from Existing Generated. This can be guaranted if guid elines specified for px_A uthRAND are followed
14		+ ts_MM_Authentication (tsc_CellA)		Steps 1a-1b
15		AMIRLC_AM_DATA_REQ	cas_invalidDCCH_Msg (tsc_CellDedicated, tsc_RB2, cs_invalidSecurityModeCom mand (tcv_CellIndInfo.dl_in tegrityCheckInfo, tcv_RRC_T i i))	Step 2
16	TBP1	AM ? RLC_AM_DATA_IND	car_RRC_SecModeFail ((P) tsc_CellDedicated, tsc_RB2, cr_108_SecModeFail (tcv_ RRC_T, c_FailCau/WithProt ErrExNotComprehended)	Step 3
17		AMIRLC_AM_DATA_REQ	cas_RRC_SecModeCmd (tsc_CellDedicated, tsc_RB2, cs_108_RRC_SecModeCm d (tov_CellIndinfo.dl_Integrit yCheckinfo, cs_RRC_SecModeCmdOMI T (tov_RRC_Ti, tov_CN_Do main, tov_CellIndinfo.cipheri ngAlgorithmCapability)))	Step 4
18	TBP2	AM ? RLC_AM_DATA_IND	car_RRC_SecModeFall (1sc (P) _CellDedicated,	Step 5

After:

It_TestBo	ody				
13		(tcv_AuthRAND := o_BitstringXtract (tcv_AuthRAND, 128,128, 3))			New RAND different from Existing Generated. This can be guaranted if guid elines specified for px_A uthRAND are followed
14		ts_MM_Authentication (tsc_CellA)			Steps 1a-1b
15		AMIRLC_AM_DATA_REQ	cas_invalidDCCH_Msg (tsc_CellDedicated, tsc_RB2, cs_invalidSecurityModeCo mmand (tcv_CellIndinfo.di _integrityCheckinfo, tcv_RR C_Ti))		Step 2
16	TBP1	AM ? RLC_AM_DATA_IND	car_RRC_SecModeFail (tsc_CellDedicated, tsc_RB2, cr_108_SecModeFail (tcv_ RRC_TI, c_FailCauWithPro tErrExtNotComprehended)	(P)	Step 3
17		+ It_TxirwalidSMC	,		Step 4
18	TBP2	AMI? RLC_AM_DATA_IND	car_RRC_SecModeFall (1s c_CellDedicated, 1sc_RB2, cr_108_SecModeFail (1cv_ RRC_Ti, invalidConfiguratio n:NULL))		Step 5
19		+ It_SS_ValidSecurity			
20		• It_TxSMC			@sic RASH T1-031470 s ic@ Branching based on GSM Supported, step 6

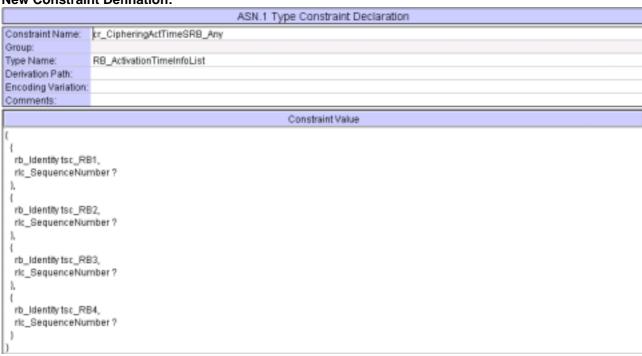
New local test step added:

It_TxInvalidSMC	•		
66	[pc_UMTS_GSM]		
67	AMIRLC_AM_DATA_REQ	cas_RRC_SecModeCmd (tsc_CellDedicated, tsc_RB2, cs_108_RRC_SecModeCm d (trv_CellIndInfo.dl_Integr ityCheckInfo, cs_RRC_SecModeCmdOM IT (tcv_RRC_Ti, tcv_CN_D omain, tcv_CellIndInfo.ciph eringAlgorithmCapability.cs _UE_SysSpecCap (INT_TO _BIT (tcv_DE_SystemSpeci ficCap,7)))))	
68	[NOT pc_UMTS_GSM]		
69	AMIRLC_AM_DATA_REQ	cas_RRC_SecModeCmd (tsc_CellDedicated, tsc_RB2, cs_108_RRC_SecModeCm d (tcv_CellIndInfo.dl_Integr ityCheckInfo, cs_RRC_SecModeCmdOM IT (tcv_RRC_Ti, tcv_CN_D omain, tcv_CellIndInfo.ciph eringAlgorithmCapability, O MIT)))	

4.5 Change 4

Local Tree and Test step	TC_8_1_7_1
Reason for change	 In Step 9 of test case 8_1_7_1 the received security mode complete message is checked for the ciphering activation time for RB20. This is a CS mode test and RB20 is not present.
Summary of change	 New constraint "cr_CipheringActTimeSRB_Any" is defined which does not check the ciphering activation time for RB20. This new constraint is used in step 9 of TC_8_1_7_1
Source of change	New change

New Constraint Defination:



Before:

50.0.0.			
17		+ It_SS_ValidSecurity	
17 18		+ It_TxSMC	@sic RASH T1-031470 s ic@ Branching based on GSM Supported, step 6
19	TBP3	AM?RLC_AM_DATA_IND (tov_Cellindinfo.uL_integrity := RLC _AM_DATA_IND.aM_message.uL_ DCCH_Message.message.security ModeComplete.ul_integProtActivatio ninfo, tov_Cellindinfo.uL_CipherMode := R LC_AM_DATA_IND.aM_message.u L_DCCH_Message.message.security DCCH_Message.message.security ationTimeInfo) car_RRC_SecModeCmpl((P) tst_CellDedicated, tst_R8 2, cdr_RRC_SecModeCmpl_8 _1_7 (tov_RRC_Ti, cr_Cipherin gActTimeSR8_RAB20_Any))	Step 9
20		+ ts_CRLC_UL_CipherCfg (tc v_CellIndinfo.uL_CipherMode, inc)	Download UL ciphering information
21		+ ts_CRLC_UL_integrity (tcv_ CellIndinfo.uL_integrity)	Download UL integrity into
22		+ ts_CRLC_ResumeSecurity (tsc_CellA)	
23		+ It_Check_UE_Capability	

After:

20		+ M_TXSMC	@sic RASH T1-031470 s ic@ Branching based on GSM Supported, step 6
21	TBP3	AM?RLC_AM_DATA_IND car_RRC_SecModeCmpl ((P) (tov_CellIndInfo.uL_integrity := RLC tsc_CellDedicated, tsc_RB _AM_DATA_IND.aM_message.uL_ 2, DCCH_Message.message.securit cdr_RRC_SecModeCmpl_ yModeComplete.ul_integProtActivat	Step 9
22		+ ts_CRLC_UL_CipherCfg (t cv_CellIndInfo.uL_CipherMode, inc	Download UL ciphering i nformation
23		+ ts_CRLC_UL_Integrity (tcv_ Cellindinfo.uL_Integrity)	Download UL integrity inf ormation
24		+ ts_CRLC_ResumeSecurity (tsc_CellA)	
25		+ It_Check_UE_Capability	

Branches executed in test case 8.1.7.1

The test case 8_1_7_1 implementation executed the PS branch with integrity activated and ciphering enabled.

5 Execution Log Files

5.1 Nokia 3G UE 7600

The Nokia 7600 passed this test case on the Anite CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

5.2 Motorola 3G UE A835

The Motorola A835 passed this test case on the Anite CT system. The documentation below is enclosed as evidence of the successful test case run [2]:

6 References

- [1] This archive comprises text format execution log file with Nokia UE and the TTCN MP file.
- [2] This archive comprises text format execution log file with Motorola UE and the TTCN MP file.

Tdoc #T1s040400

CHANGE REQUEST			
[♯] TS 3	4.123-3 CR 381	Current version: 3.6.1	
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the p	pop-up text over the	
Proposed change	affects: UICC apps第 <mark> ME</mark> Radio Acc	ess Network Core Network	
Title: ∺	Addition of GCF P1 test case 8.1.7.2 to RRC ATS v3	3.6.1	
Source: #	Anite		
Work item code: ₩	N/A	Date: 19/07/04	
Reason for change	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. To add verified GCF package 1 RRC test cases V3.6.1 This document lists all changes applied to test of See detailed change description for further information.	cases 8.1.7.2 required for approval.	
Consequences if not approved:	# Test case will not be added to ATS		
Clauses affected:	*		
Other specs affected:	X O&M Specifications meeting	CR is be submitted for the T1-24 g.	
Other comments:	\mathbf{x}		

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- just in front of the clause containing the first piece of changed text. which are not relevant to the change request.	-A to select it) into the specification Delete those parts of the specification

3GPP TSG-T1 E-Mail 2004

T1s040400

01 Jan - 31 Dec 2004

Title: Changes to test cases 8.1.7.2 required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 8.1.7.2, 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.

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3 Verification Test Summary

Test Case: TC_8_1_7_2

Test Group: RRC_SecurityModeCtrl

ATS Version: iWD-TVB2003-03_D04wk26 + essential modifications

System Simulator used: Anite 3G CT

UE used: Nokia 7600 and Motorola A835

Verification Status: PASS

4 Corrections required for test cases 8.1.7.2

4.1 Introduction

This section describes the changes required to make test cases 8.1.7.2 run correctly with a 3G UE. The ATS version used as basis was RRC_wk26r2.mp, which is part of the iWD-TVB2003-03_D04wk26 release.

4.2 Change 1

Local Tree and Test step	Tc_8_1_7_2
Reason for change	line#3 of test case 8_1_7_2, is "pr_GotoState6_11_MO (tsc_CellA)". But this is called without initialising the variables for PS mode.
Summary of change	"ts_RRC_InitVariablesPS(Cell_FACH)" is added at the beginning of the test case
Source of change	New change

			Test C	960				
×				asc				
Test Case Id:		tc_8_1_7_3						
	eference:		_SecurityModeCtrV					
Purpose:		essage to t tion. To cor ciphering o uplink activ	To confirm that after the UE receives a SECURITY MODE COMMAND message, it transmits a SECURITY MODE COMPLETE m issage to the UTRAN using the old ciphering configuration together with the application of the new integrity protection configuration. To confirm that the UE applies the old ciphering configuration in the downlink prior to the activation time; and uses the new ciphering configuration on and after the activation time. To confirm that the UE starts to cipher its uplink transmissions after the uplink activation time stated in SECURITY MODE COMPLETE message is reached. To confirm that the UE sends a SECURITY MODE FAILURE message when the UE receives an invalid SECURITY MODE COMMAND message.					
Configuration			•					
Defaults:		RRC_Def1						
Comments:								
Nr		Label	Behaviour Description	Constraint Ref	Verdict	Comments		
1			START t_Guard					
2			[px_RAT = fdd]			FDD specific behaviour		
3			+ pr_GotoState6_11_MO (tsc_Cell A)					
4	TBS		(tcv_TestBody = TRUE)					
5			+ It_TestBody					
6	TBE		(tcv_TestBody := FALSE)					
7			+ po_ConnectionAndSS_Rel (ts c_CellA)			Release the RRC Connection		
8	ERR1		[px_RAT = tdd]		I	TDD specific behaviour		
9	ERR2		[TRUE]					

After:

		Te	st Case		
Test Case	e ld: tc_8	_1_7_2			
Test Grou	p Reference: RRC	:/RRC_SecurityModeCtrl/			
Purpose:	essa tion. ciph uplir	onfirm that after the UE receives a SECURIT age to the UTRAN using the old ciphering co To confirm that the UE applies the old ciphe vering configuration on and after the activation ink activation time stated in SECURITY MODE DE FAILURE message when the UE receive:	nfiguration together with the ap ring configuration in the downli n time. To confirm that the UE : E COMPLETE message is read	plication of the nev ink prior to the activ starts to cipher its u thed. To confirm th	vintegrity protection configuration time; and uses the new plink transmissions after the lat the UE sends a SECURIT
Configura	tion:				_
Defaults:		Def1			
Comment					
Ind	Lab	el Behaviour Description	Constraint Ref	Verdict	Comments
0		START t_Guard			
1		[px_RAT = fdd]			FDD specific behaviour
2		+ ts_RRC_InitVariablesPS (cell_ ACH)	F		
3		+ pr_GotoState6_11_MO (tsc_C IIA)	9		
4	TBS	(tcv_TestBody := TRUE)			
5		+ It_TestBody			
6	TBE	(tcv_TestBody := FALSE)			
7		+ po_ConnectionAndSS_Rel (sc_CellA)	t		Release the RRC Conne ction
	FOOA				TOD asserted helperters
1	ERR1	[px_RAT = tdd]		1	TDD specific behaviour

4.3 Change 2

Local Tree and Test step	Tc_8_1_7_2		
Reason for change	As per 34.123 clause 8.1.7.2.4, security mode complete message in step 9 should be checked for field "RRC message sequence number list" in IE "Uplink integrity protection activation info" and for IE "Radio bearer uplink ciphering activation info". But this is not checked.		
Summary of change	Step 9 in the test case is modified to check for these fields. 1. Constraint "cdr_RRC_SecModeCmpl_8_1_7" is used instead of "cbr_108_RRC_SecModeCmpl" 2. Constraint "cr_CipheringActTimeSRB_RAB20_Any" is used instead of "?"		
Source of change	New change		

Before:

		ErrExtNotComprehended))	
14		+ It_SS_ValidSecurity	
15		+ IL_TXSMC	@sit RASH T1-031470 s it@ Branching based on GSM Supported, step 6
16	TBP3	AM?RLC_AM_DATA_IND car_RRC_SecModeCmpl ((P) (tcv_Cellindinfo.uL_integrity := RLC	Step 9
17		+ ts_CRLC_UL_CipherCfg (tcv _Cellindinfo.uL_CipherMode, inc)	Download UL ciphering information
18		+ ts_CRLC_UL_integrity (tcv_C ellindinfo.uL_integrity)	Download UL integrity information
19		+ ts_CRLC_ResumeSecurity (tsc_CellA)	
20		+ It_Check_UE_Capability	

After:

AILEI.			EITEX#VOCOTTIDIETTETTUEU J/	
17		+ It_SS_ValidSecurity	Energy of the second	
18		+ H_ThSMC		@sic RASH T1-031470 s ic@ Branching based on OSM Supported, step 6
19	TBP3	AM?RLC_AM_DATA_IND (tov_Cellindinfo.uL_Integrity:= RLC _AM_DATA_IND.aM_message.uL_ DCCH_Message.message.security ModeComplete.ul_IntegProtActivatio ninfo, tov_Cellindinfo.uL_CipherMode:= R LC_AM_DATA_IND.aM_message.u L_DCCH_Message.message.securityModeComplete.rb_UL_CiphActiv ationTimeInfo)	2, cdr_RRC_SecModeCmpl_8 _1_7 (tcv_RRC_Ti_cr_Cipherin gActTimeSRB_RAB20_Any	Step 9
20		+ ts_CRLC_UL_CipherCfg (tcv _CellIndInfo.uL_CipherMode, inc)		Download UL ciphering in
21		+ ts_CRLC_UL_integrity (tcv_C ellIndinfo.uL_integrity)		Download UL integrity info
22		+ ts_CRLC_ResumeSecurity (tsc_CellA)		
23		+ It_Check_UE_Capability		

Branches executed in test case 8.1.7.2

The test case 8_1_7_2 implementation executed the PS branch with integrity activated and ciphering enabled.

5 Execution Log Files

5.1 Nokia 3G UE 7600

The Nokia 7600 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

5.2 Motorola 3G UE A835

The Motorola A835 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [2]:

6 References

- [1] This archive comprises text format execution log file with Nokia UE and the TTCN MP file.
- [2] This archive comprises text format execution log file with Motorola UE and the TTCN MP file.

CHANGE REQUEST					CR-Form-v7		
[♯] TS 3 ⁴	4.123-3	CR 382	≋rev	- #	Current vers	3.6.1	¥
For <u>HELP</u> on us	sing this for	m, see bottom of	this page or	look at the	pop-up text	over the # syl	mbols.
Proposed change a	nffects: L	JICC apps業	ME	Radio Ac	cess Netwo	rk Core Ne	etwork
Title: Ж	Addition of	RAB Package 2	test case 14.	4.2.1 to RA	AB ATS V3.6	5.1	
Source: 第	Anite						
Work item code: ₩	N/A				<i>Date:</i> ∺	4/08/04	
	F (corr A (corr B (add C (fund D (edit Detailed exp be found in 3	responds to a correlition of feature), ctional modification orial modification olanations of the absence of the second verified GCF parameters all	ection in an ear of feature) pove categories ackage 2 RAI	s can 3 test case	2) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the following religions (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	
	approv						
	See de	etailed change de	escription for	turther info	ormation.		
Consequences if not approved:	策 Test c	ase will not be a	dded to ATS				
Clauses affected:							
Other specs affected: Other comments:	Y N # X	Other core spec Test specification O&M Specification	ons	¥			

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- just in front of the clause containing the first piece of changed text. which are not relevant to the change request.	-A to select it) into the specification Delete those parts of the specification

3GPP TSG-T1 E-Mail 2004

T1s040430

01 Jan - 31 Dec 2004

Title: Changes to test case 14.4.2.1 required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.4.2.1, 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.

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3 Verification Test Summary

Test Case: tc_14_4_2_1

Test Group: RAB/CombinationsOnSCCPCH

ATS Version: iWD-TVB2003-03_D04wk26 + essential modifications

System Simulator used: Anite 3G U-SAT

UE used: Nokia 7600, Sony Ericsson Z1010

Verification Status: PASS

4 Corrections required for test case 14.4.2.1

4.1 Introduction

This section describes the changes required to make test case 14.4.2.1 run correctly with a 3G UE. The ATS version used as basis was RAB_wk26r1.mp, which is part of the iWD-TVB2003-03_D04wk26 release.

4.2 Change 1

Test step name	tc_14_4_2_1
Reason for change	 According to 3GPP TS 34.123-1 RAB created should be of Interactive or Background type. In the current TTCN implementation only Interactive type is created. Test Step ts_RB_InitTest_2SCCPCH always create Interactive type RAB. The CRNTI used in Radio Bearer Setup message sent from Test Step ts_SendRB_SetUp_FACH_2SCCPCH_32k is not as per 34.108 default content for Radio Bearer Setup Message.
	 The TFC list (c_TFC_Allowed_0_3) used for DL SS restriction is wrong. In the TTCN, tcv_CN_Domain is assigned based on the PIXIT px_CN_DomainTested in the test step ts_AssignCN_Domain. As this test case configures PS RAB, tcv_CN_Domain should be assigned to ps_domain independent of PIXIT px_CN_DomainTested. Test Step ts_CalculateActTime is called to calculate Activation Time. The calculated activation time is not used in the test case. Thus call to this test step can be removed.
Summary of change	Added local trees It_Interactive and It_Background to create Interactive and Background type RAB based on the pc_Interactive and pc_Background. Test step ts_RB_InitTest_2SCCPCH is parameterised to take PagingCause and EstablishmentCause as an input parameter in order to create Interactive and Background RAB. The correct parameters are passed from It_Interactive and It_Background.
	 Updated the value of Cell CRNTI with tsc_New_CRNTI ('10101010101010101010), which will be used while sending the Radio Bearer Setup message to the Mobile in localtree It_Interactive and It_Background. In It_Interactive added test steps ts_RRC_ConnRel and ts_GMM_DetachOnSwitchOff to handle Detach from the UE during power off after execution for Interactive RAB. Changed the TFC list to c_TFC_Allowed_0_1_3 to be used for DL SS restriction. At row 3 of the TTCN, instead of using test step ts_AssignCN_Domain, tcv_CN_Domain is assigned to ps_domain. Removed call to test step ts_CalculateActTime from the test case body. Removed parameter p_ActTime: ActivationTime from the test step ts_SendRB_SetUp_FACH_2SCCPCH_32k.

Source of change	New change
------------------	------------

Nr	Lab	Behaviour Description		 Comments
1		START t_Guard(300)		
2		+ts_InitVariables		
3		+ts_AssignCN_Domain)	Sets domain for testing
4		+ts_RB_initTest_2SCCPCH	ì	Configure SS and Activate the test mod
				e
5		+ ts_CalculateActTime (tsc_CellA))	
6		+ts_SendRB_SetUp_FACH_28CCPCH_32k (tsc_CellA, tsc_RAB_DetPS,tcv_ActTime)		
7		+ ts_SetCellCfg_(tsc_CellA, cell_FACH_2SCCPCH_StandAlonePCH_PS)		
В		+ ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1,		
		[c]TFC_Allowed_0_3 c_UE_TestLoopMode1_LB_Setup (312, tsc_RB20), 312)		
9	TBE1	(tcv_TestBody := FALSE)		
10		* ts_TC_DeactivateRB_TestMode (tsc_CellA)		Steps 20-21
11		+ po_ConnectionAndSS_Rel (tsc_CellA)		

After:

	Lab	Behaviour Description		 Comments
1		START (_Guard(300)		
2		+ts_init/ariables		
3		(tcv_CN_Domain:=ps_domain)	1	Sets domain for testing
4		+It_Interactive		
5		+It Background	l .	
lt_lt	nteractiv	9		
6		[pc_Interactive]		
7		+ts_RB_initTest_28CCPCH(terminatingInteractiveCall,terminatingInteractiveCall)	1	Configure SS and Activate the test mode
8		(try_CellinfoA.cRNTI:= tsc_New_CRNTI2))	
9		+ts_SendRB_SetUp_FACH_2SCCPCH_32k (tsc_CellA, tsc_RAB_DefPS)		
10		+ ts_SetCellCtg (tsc_CellA, cell_FACH_2SCCPCH_StandAlonePCH_PS)		
11		+ ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1, c_TFC_Allowed_0_1_3 c_UE_TestLoopMode1_LB_Setup (312, tsc_RB20), 312)		
12	TBE1	(tcv_TestBody = FALSE)		
13		+ ts_TC_DeactivateRB_TestMode (tsc_CellA)		Steps 20-21
14		+ts_RRC_ConnRel(tsc_CellA, cell_Fach_Doth))	
15		(tcv_RRC_RelStatus := cell_Fach_Dcch)		
16		+ts_GMM_DetachOnSwitchOff(tsc_CellA))	
17		+ po_ConnectionAndSS_Rel (tsc_CellA)		
18		[TRUE]		
It_B	ackgrou	und		
19		[pc Background]		
20		+ts_RB_initTest_2SCCPCH(terminatingBackgroundCall,terminatingBackgroundCall)	1	Configure SS and Activate the test mode
21		(tcv_CellinfoA.cRNT1:= tsc_New_CRNT12)	J.	
22		+ts_SendRB_SetUp_FACH_2BCCPCH_32k (tsc_CellA, tsc_RAB_DefP8)		
23		+ ts_SetCellCfg (tsc_CellA, cell_FACH_2SCCPCH_StandAlonePCH_PS)		
24		 ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1, TFC_Allowed_0_1_3, c_UE_TestLoopMode1_LB_Setup (312, tsc_RB20), 312) 		
25	TBE1	(tcv_TestBody > FALSE)		
26		+ ts_TC_DeactivateRB_TestMode (tsc_CellA)		Steps 20-21
27		+ po_ConnectionAndSS_Rel (tsc_CellA)		
28		[TRUE]		

4.3 Change 2

Test step	ts_RB_InitTest_2SCCPCH
Reason for change	Test Step ts_RB_InitTest_2SCCPCH always create Interactive type RAB. As per 34.123-3 in case of 2 SCCPCH SIB scheduling used be as per section 8.4.4.1. This is as per T1-24 approved CR T1-041422. Test Step ts_RRC_PagType1_P_TMSI_Cause uses tsc_RB_PCCH to send the Paging Message. However in this test case tsc_RB_PCCH2 is configured for PCCH.
Summary of change	Test step ts_RB_InitTest_2SCCPCH is parameterised to take PagingCause and EstablishmentCause as an input parameter and the same is passed to test step ts_RRC_PagType1_P_TMSI_Cause and ts_RRC_ConnEst as input parameter at row 6 and 7 respectively

	 Created a new Test step ts_SendSysInfo_2SCCPCH which is same as existing test step ts_SendSysInfo_2PRACH expect for the sending of Paging Information to the mobile. This new test step is called at row 3 in place of ts_SendSysInfoWithSpecialSIB5_And6. Created a new test step ts_RRC_PagType1_P_TMSI_Cause_New which uses tsc_RB_PCCH2 to send the Paging Type 1 message. 	
Source of change New change		

	1010.	•				
Te	st Step	ld:	(ts_RB_initTest_2SCCPCH)			
Te	st Step	Group Ref.	RB_Steps/Initialization/			
Ob	jective	:	To setup the environement for PS test cases			
De	faults:		RRC_Deff			
Co	mmen	rts:	@SIC_NAPP			
	L		Behaviour Description	Constraint Ref		Comments
1		+1s_SS_C	reateCell2_SCCPCH_StandAlonePCH (tsc_CellA)			Configuration has to be changed
2		+ ts_SetTi	mpCellinfa (tsc_CellA)			Fetch record corresponding to current cell
60			(SysInfoWithSpecialSiB5_And6(tsc_CellA_cb_SiB5_D CH(tcv_TmpCellInfo),cb_SiB6_Def_2SCCPCH(tcv_T ())			
4		+ ts_ldle	Updated (1sc_CellA)			
5	TBS	(tcv_Tes	stBody=TRUE)			
6		+ts_RRC_PagType1_P_TMSI_Cause (tsc_CellA, px_PTMSI) Def, terminatingInteractiveCall ()				
7		+ ts_RRC_ConnEst(tsc_CellA, est_MT, (jerminatingInteractiveCall.) Steps 2-5				Steps 2-5
8		Dr?RRC_DataInd (tov_Start := RRC_DataInd.start)		car_PS_InitDirectTransfer (tsc_CellDedicated ,tsc_RB3, tr_ServiceRequest(t_ServiceType _v('010'B), t_MobileIdPTMSI_lv('ttv_Assigned PTMSI), ?))		Step 6

After:

	st Step		(ts_RB_InitTest_28CCPCH(p_PagCause: PagingC	ause; p_EstCause: EstablishmentCause)	
Tes	st Step	Group Ref.	RB_Steps/initialization/		
Ob	jective	(To setup the environement for PS test cases		
De	faults:		RRC_Def1		
Co	mmen	vts:	@SIC_NAPP		
	L		Behaviour Description	Constraint Ref	Comments
1		*ts_SS_C	reateCell2_SCCPCH_StandAlonePCH (1st_CellA)		Configuration has to be cha nged
2		+ ts_SetTmpCellInfo (tsc_CellA)			Fetch record corresponding to current cell
3		_	(Bysinfo_28CCPCH(tsc_CelV4,cb_SIB5_Def_28CCP npCelInfo))		
4		+ ts_ldle	Updated (tsc_CellA)		
5	TBS	(try_Tes	stBody=TRUE)		
6			C_PagType1_P_TMSI_Cause_New (tsc_CellA, px_ f, p_PagCause)		
7		+ ts_RRC_ConnEst (tsc_CellA, est_MT(p_EstCause))			Steps 2-5
8			RC_Dataind = RRC_Dataind.starti	car_PS_InitDirectTransfer (itst_CellDedicated , tsc_RB3, cr_ServiceRequest(c_ServiceType _v(010'8), c_MobileIdPTMSI_lv(tcv_Assigned PTMSI), ?))	Step 6

New Test Step Added:

	Test Step								
Test Ste	Test Step ld: ts_RRC_PagType1_P_TMSI_Cause_New (p_Cellid: INTEGER; p_P_Tmsi:OCTETSTRING; p_PagCause: PagingCause)								
Test Ste	ap Group Ref.	RB_Steps/Initialization/							
Objectiv	ne:								
Defaults	80	RRC_Deft							
Comme	ents:	To send PAGING TYPE 1 with PTMSI and with a give	an paging cause						
L.	L Behaviour Description Constraint Ref		Constraint Ref		Comments				
0 +ts_RRC_Delay(tsc_WaitBeforePaging)		Delay(tsc_WaltBeforePaging)			Give delay before paging ty pe1				
1	+ts_CMAC	_Pag1_Cfg(p_Celld)							
2 TM!RLC_TR_DATA_REQ cas_PagingType1 (p_Celld, tst_RB_ ,cs_RRC_PagingType1_PTMSl(p_PagingType1_PTMSl(p_PagingType1_PTMSl(p_PagingType1_PTmsl),tcv_CN_n))									

4.4 Change 3

Test step	ts_SendSysInfo_2SCCPCH
Reason for change	1. As per 34.123-3 in case of 2 SCCPCH SIB scheduling used be as per section 8.4.4.1. This is as per T1-24 approved CR T1-041422.
Summary of change	1. Created a new Test step ts_SendSysInfo_2SCCPCH which is same as existing test step ts_SendSysInfo_2PRACH expect for the sending of Paging Information to the mobile.
Source of change	New change

					Test Step			
Tes	st Ste	p	ld		ts_SendSysInfo_28CCPCH (p_Cellid: INTEGER; p_SIB5: SysInfoType5)			
Tes	st Ste	p	Gr	oup	Ref. RRC_Specifc/			
Obj	jectiv	e:			To broadcast system information for 2SCCPCH			
Der	faults	š:			InitOtherwiseFail			
Co	mme	nt	ls:		broadcast MIB, SB1, SIB1, SIB2, SIB3, SIB4, SIB5, SIB7, SIB11, SIB12, SIB	181	for te	est cases using two PRACH or two SCCPCH
					Behaviour Description			Comments
1		*	ts	_8	rTmpCellinfo (p_Cellid)			Fetch record corresponding to current cell
2		4	+ 1	8_U	TRAN_GERAN_Parainit(p_Celld)			
3			+1	s_0	ellDependentPara(p_Cellid)			
4			+	ts_	nitializeSIB11_SIB12 (p_Cellid)			
5			D	N)	RAT = fdd]			
6					SB1 := c_SB1_BMC_2PRACH_2SCCPCH, tcv_MIB := c_MIB_MuIRat0r8MC(tcv ellinfo))			
7				+18,	SendNoSegBMC(p_Cellid)			
8			p		_SendSiB1_MuiRatOrBMC (cb_SiB1_Def(tcv_TmpCellinfo), llid, tsc_Now)			
9			ı,		_SendSIB2_MulRat0rBMC(c_SIB2_Def (txv_TmpCellInfo), ellId, tsc_Now)			
10			р		s_BendSiB3_MulRat0rBMC(tcv_SiB3, rllid, tsc_Now)			
11				+	s_SendSiB4_MulRatOrBMC(tcv_SiB4, p_Cellid, tsc_Now)			
12				1	ts_SendSIB5_BMC(p_SIB5, p_Cellid, tsc_Now)			
13					ts_SendSIB7_MulRat0rBMC(c_SIB7_Def, p_Cellid, tsc_Now)			
14					+ts_SendSiB11_MulRatOrBMC (tcv_SiB11, p_Cellid, tsc_Now)			
15					+ts_SendSiB12_BMC(tcv_SiB12, p_Cellid, tsc_Now)			
16		N	4or	N)	+ts_SendSIB18_MulRatOrBMC(c_SIB18_Def(tcv_TmpCellinfo), p_Cellid, tsc_			
17					*ts_SendSB1_MulRatOrBMC(tcv_SB1, p_Cellid, tsc_Now)			
18					+ts_SendMIB(tcv_MIB, p_Cellid, tsc_Now)			
19	ER R1	[px_RAT = tdd]						
20	ER R2	ER [TRUE]						

4.5 Change 4

Test step	cb_SIB5_Def_2SCCPCH						
Reason for change	 As per 34.123-3 section 8.4.4.1 SIB scheduling SIB6 is not broadcasted. Thus sib6indicator in SIB5 should be set to FALSE. This is as per T1-24 approved CR T1-041125 						
	 2. As per 34.108 section 6.1.1 default content for SIB5: a) Power offset Pp-m should be set 0. b) Gain factor ßc should be set to 11. c) AICH transmission timing should be set 0. d) The TFCS complete reconfiguration information should contain 0,1,2,3,4 as a part of CTFC information. In the TTCN implementation CTFC 5 is also used. 						
Summary of change	 Changed the value of sib6indicator TRUE to FALSE. Following changes are done in the constraint to be as per 34.108: a) Changed the value of Power offset Pp-m from -5 to 0. b) Changed the value of Gain factor ßc from 10 to 11. c) Changed the value of AICH transmission timing from e1 to e0. d) Removed CTFC 5 from the TFCS complete reconfiguration information. 						
Source of change	New change						

Before:

```
sib6indicator(TRUE)
pich_PowerOffset p_CellInfo.powerPICH,
modeSpecificInfo fdd : {
aich_PowerOffset p_CellInfo.powerAICH
primaryCCPCH_Info OMIT,
prach_SystemInformationList {{
 prach_RACH_Info {
  modeSpecificInfo fdd : {
   availableSignatures tsc_PRACH1_Signatures,
    availableSF tsc_PRACH1_SF,
   preambleScramblingCodeWordNumbertsc_PRACH1_ScrC,
   puncturingLimit pl1,
   availableSubChannelNumbers "1111111111111B
 ),
 transportChannelIdentity tsc_RACH1,
 rach_TransportFormatSet commonTransChTFS: c_RACH_TFS_UE,
 rach_TFCS normalTFCl_Signalling : complete : {
  ctfcSize ctfc2Bit : {{
    ctfc2 0,
    powerOffsetInformation { gainFactorInformation computedGainFactors : 0,
     powerOffsetPp_m-5
    ì,
   { ctfc2 1,
    powerOffsetInformation {
     gainFactorInformation signalledGainFactors:{
      modeSpecificInfo fdd: {
       gainFactorBetaC(10)
      gainFactorBetaD 15,
      referenceTFC_ID (L),
      powerOffsetPp_m(5)
```

```
aich_Info (
channelisationCode256 tsc_AlCH1_ChC,
sttd_Indicator FALSE,
aich_TransmissionTiming(e1)
}
```

```
tfcs normalTFCI_Signalling : complete: {ctfcslize ctfc4Bit: {
    (ctfc4 0 }, {ctfc4 1 }, {ctfc4 2 }, {ctfc4 3 }, {ctfc4 4} {ctfc4 5}
)),
    fach_PCH_InformationList {
    {
        transportFormatSet commonTransChTFS : c_FACH_TFS_UE,
        transportChannelIdentity tsc_FACH1, -- FACH
        ctch_Indicator FALSE
    },
    {
        transportFormatSet commonTransChTFS : c_FACH_TFS_PS_UE,
        transportFormatSet commonTransChTFS : c_FACH_TFS_PS_UE,
        transportChannelIdentity tsc_FACH2, -- FACH
        ctch_Indicator FALSE
    }
```

After:

```
sib6indicator FALSE
pich_PowerOffset p_Cellinfo.powerPICH,
modeSpecificInfo fdd : (
aich_PowerOffset p_CellInfo.powerAlCH
primaryCCPCH_Info OMIT,
prach_SystemInformationList ({
 prach_RACH_Info (
  modeSpecificInfo fdd: {
   availableSignatures tsc_PRACH1_Signatures,
   availableSF tsc_PRACH1_SF,
   preambleScramblingCodeWordNumbertsc_PRACH1_ScrC,
   puncturingLimit pl1,
   transportChannelidentity tsc_RACH1,
 rach_TransportFormatSet.commonTransChTFS:c_RACH_TFS_UE,
 rach_TFCS normalTFCI_Signalling : complete : {
  ctfcSize ctfc2Bit: {(
    ctfc2 0,
    powerOffsetInformation ( gainFactorInformation computedGainFactors : 0,
     powerOffsetPp_n(0)
   { ctfc 2 1,
    powerOffsetInformation (
     gainFactorInformation signalledGainFactors : (
      modeSpecificInfo fdd : (
       gainFactorBetaC(11)
      gainFactorBetaD 15.
      referenceTFC_ID (),
     powerOffsetPp_m(0)
```

```
aich_Info (
    channelisationCode256 tsc_AICH1_ChC,
    sttd_Indicator FALSE,
    sich_TransmissionTiming (e0)
}
```

4.6 Change 5

Test step	c_TFCS_CmpIFACH_NoPCH_Tx
Reason for change	1. As per 34.108 section 6.1.1 default content for SIB5, the TFCS complete reconfiguration information should contain 0,1,2,3,4 as a part of CTFC information. In the TTCN implementation CTFC 5 is not used.
Summary of change	Removed CTFC 5 from the normalTFCI_Signalling complete information.

Source of change New change

Before:

After:

```
normalTFC_Signalling: complete: {
ctfc4 0,
powerOffsetInformation c_PowerOffsetInfoComputed
},
{
ctfc4 1,
powerOffsetInformation c_PowerOffsetInfoComputed
},
{
ctfc4 2,
powerOffsetInformation c_PowerOffsetInfoComputed
},
{
ctfc4 3,
powerOffsetInformation c_PowerOffsetInfoComputed
},
{
ctfc4 4,
powerOffsetInformation c_PowerOffsetInfoComputed
}
}
```

4.7 Change 6

Test step	c_TrLogMappingFACH_PS						
Reason for change	In this constraint: 1. Wrong rB_Identity of "tsc_RB_BCCH" is used for logical channel carrying BCCH data mapped to FACH.						
	2. Wrong logicalChannelType of "dCCH" is used for logical Channe						

	tsc_DL_CCCH5.
Summary of change	Following changes are done:
	Changed rB_Identity from "tsc_RB_BCCH" to "tsc_RB_BCCH_FACH"
	Changed logicalChannelType from "dCCH" to "cCCH" to tsc_DL_CCCH5.
Source of change	New change

```
ulconnectedTrCHList OMIT.
diconnectedTrCHList {
 trohid tsc_FACH2,
 trCH_LogCHMappingList (
   logicalChannel_Mapping dl_LogicalChannelMapping:{
    macHeaderManipulation normalMacHeader,
    dl_TransportChannelType fach,
    logicalChannelIdentity tsc_DL_DTCH1,
    logicalChannelType dTCH,
    rlc_SizeList configured : NULL,
    mac_LogicalChannelPriority 8
   rB_Identity tsc_RB20
 }
ì.
 trchid tsc_FACH1,
 trCH_LogCHMappingList{
   logicalChannel_Mapping dl_LogicalChannelMapping:{
    macHeaderManipulation normalMacHeader,
    dl_TransportChannelType fach,
    logicalChannelIdentity tsc_BCCH6,
    logicalChannelType bCCH,
    rlc_SizeList configured : NULL,
    mac_LogicalChannelPriority 1
   rB_identity(tst_RB_BCCH)
   logicalChannel_Mapping dl_LogicalChannelMapping:{
    macHeaderManipulation normalMacHeader,
    dl_TransportChannelType fach,
    logicalChannelIdentity tac DL_CCCH5,
    logicalChannelType(dCCH,)
    ric SizeList configured : NULI
```

```
ulconnectedTrCHList OMIT,
diconnectedTrCHList (
 trohid tsc_FACH2,
 trCH_LogCHMappingList(
   logicalChannel_Mapping dl_LogicalChannelMapping : {
    macHeaderManipulation normalMacHeader,
    dl TransportChannelType fach,
    logicalChannelIdentitytsc_DL_DTCH1,
    logicalChannelType dTCH,
    rlc_SizeList configured : NULL,
    mac_LogicalChannelPriority 8
   rB_Identity tsc_RB20
 }
 trchid tsc_FACH1,
 trCH_LogCHMappingList{
   logicalChannel_Mapping dl_LogicalChannelMapping:{
    macHeaderManipulation normalMacHeader,
    dl_TransportChannelType fach,
    logicalChannelIdentity tsc_BCCH6,
    logicalChannelType bCCH,
    rlc_SizeList configured : NULL,
    mac_LogicalChannelPriority 1
   rB_identity(tsc_RB_BCCH_FACH)
   logicalChannel_Mapping dl_LogicalChannelMapping:{
    macHeaderManipulation normalMacHeader,
    dl_TransportChannelType fach,
    logicalChannelIdentity tac_DL_CCCH5,
    logicalChannelType(cCCH)
    ric SizeList configured : NULL
```

4.8 Change 7

Test step ts_SS_2FACH_CCCH_DCCH_BCCH_DTCH_Cfg				
Reason for change	In case the SCCPCH carrying FACH only, PICH is also configured. This is not required.			
Summary of change Removed configuration for tsc_PICH2 for tsc_S_CCPCH2 from row 9 and				
Source of change New change				

Before:

8		CMAC ? CMAC	_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, tsc_8_CCPC H2)		
9		CPHYICPHY_	RL_Setup_REQ	ca_PICH_info2 (p_Cellid, c_Pichinfo, (tcv _TmpCellinfo.powerPICH),tsc_S_CCPCH 2)		PICH
10		CPHY?CPHY	_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_PICH2)		
11	ERR1	[px_RAT = tdd]			1	
12	ERR2	[TRUE]			1	

8		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, tsc_S_CCPC H2)	
9	ERR1	[px_RAT = tdd]		I
10	ERR2	[TRUE]		1

4.9 Change 8

Test step ts_SS_SecondSCCPCH_PCH_PCCH_Cfg				
Reason for change	As per 34.108 section 6.1.1 slot format used for the SCCPCH carrying PCH only should be "4". In the TTCN while configuring SCCPCH at the SS, slot format of 8 is used.			
Summary of change	Replaced "tcv_TmpCellInfo.slotFormatsCCPCH1" with "4" at row 3.			
Source of change	New change			

Before:

Nr	La	Behaviour Description	Constraint Ref	 Comments
1		+ ts_SetTmpCellinfo (p_Celld)		
2		[px_RAT = fdd]		
3		CPHYICPHY_RL_Setup_REQ	ca_sccPcH_infoPcH_StandAlone (p_c ellid, tsc_8_ccPcH1, tsc_8_ccPcH_2n dScrCode, tcv_TmpCellinfo.slotFormatsCcPcH1), (tcv_TmpCellinfo.powersCcPcH1))	s-CCPCH1
4		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH 1)	

After:

Nr	La	Behaviour Description	Constraint Ref	 Comments
1		+ ts_SefTmpCellinfo (p_Cellid)		
2		[px_RAT = fdd]		
3		CPHYICPHY_RL_Setup_REQ	ca_sccPcH_infoPcH_StandAlone (p_c ellid, tsc_S_ccPcH1, tsc_S_ccPcH_2n dScrCode, (4) (tcv_TmpCellinfo.powersccPcH1))	s-CCPCH1
4		CPHY7CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH 1)	

4.10 Change 9

Test step	ts_SendRB_SetUp_FACH_2SCCPCH_32k			
Reason for change	Radio Bearer Setup message sent is not correct. In the Radio Bearer Setup message new CRNTI value of			
	'10101010101010101B is sent. The same value needs to be updated in the SS. 3. Parameter p_ActTime: ActivationTime is unused			
Summary of change	 Instead of "cs_RRC_RB_SetUp" use cbs_108_RB_SetUpFACH_PS. Created a new test step ts_CMAC_New_RNTI_Reconf_2sccpch and is called at row 3. Removed unused parameter p_ActTime: ActivationTime. 			
Source of change	lew change			

Before:

```
Test Step Id:
                    ts_SendRB_SetUp_FACH_2SCCPCH_32k ( p_Cellid: INTEGER; p_RAB_ld : BITSTRING p_AcfTime: ActivationTime)
Test Step Group Ref: RB_Steps/RB_Setup/
                    To setup a RADIO BEARERcell_FACH_2SCCPCH_StandAlonePCH_PS and to reconfigure the SS accordingly.
Objective:
                    RRC_Def1
Defaults:
                    @SIC_NAPP
Comments:
                            Behaviour Description
                                                                                             Constraint Ref
                                                                                                                                         Co.
        + ts_SetTmpCellInfo (p_Cellid)
AM I RLC_AM_DATA_REQ
                                                                     cas_RB_SetUpAM_WithCnf(
2
                                                                     tsc_CellDedicated,
tsc_RB2,
                                                                     OMIT.
                                                                     cs_RRC_RB_SetUp(
                                                                       tcv_CellIndinfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,
                                                                       OMIT,
                                                                      cell_FACH,
                                                                       OMIT.
                                                                     c_RAB_InfoListFACH_PS (
                                                                         c_ReEstTimerT314, p_RAB_ld, c_RLC_InfoAM_Def),
                                                                       c_UL_CammTrChinfa_AM0Ta1(c_PawerOffsetinfaBelaw64k) ,
                                                                      c_UL_AddReconfTransChinfoListFACH_P8,
c_DL_CommonTransChinfo_AM_0_4,
                                                                     c_DL_AddReconfTransChinfoListFACH_P8_28CCPCH_Crifg1,
                                                                       c_DL_informationPerRL_FACH(tcv_TmpCellInfo.priScrmCode),
                                                                     OMIT,
                                                                     OMIT,
                                                                     OMIT
3 TSP + ts_RRC_ReceiveRB_SetupCmpl(p_Cellid, cell_FACH_2SC
       CPCH_StandAlonePCH_PS)
```

After:

			Test Step			
	(est Step ld: ts_SendRB_SetUp_FACH_28CCPCH_32k (p_Cellid: INTEGER; p_RAB_id: BITSTRING)					
Te	st Step	Group Ref.	RB_Steps/RB_Setup/			
Ob	jective:		To setup a RADIO BEARERcell_FACH_2SCCPCH_StandAlonePCH_PS and to	reconfigure the SS accordingly.		
De	fautts:		RRC_Deff			
Co	mmen	ts:	@SIC_NAPP			
	L		Behaviour Description	Constraint Ref		
1		+ ts_SetTn	npCellinfo (p_Cellid)			
2		AMIRLC_	AM_DATA_REQ	cas_RS_SetUpAM (tsc_CellDedicated, tsc_RB2, cbs_108_RB_SetUpFACH_PS (tcv_CellIndinfo.dl_integrityCheckinfo, tcv_RRC_Ti, p_RAB_id, tcv_TmpCellInfo.cRNTi))		
3			C_New_RNTI_Reconf_2sccpch (FALSE, p_Cellid, sllinfo.uRNTI,trv_TmpCellinfo.cRNTI)			
4	TSP	+ ts_RR(PS)	C_ReceiveRB_SetupCmpl (p_Cellid , cell_FACH_28CCPCH_StandAlonePCH_			

4.11 Change 10

Test step	ts_CMAC_New_RNTI_Reconf_2sccpch				
Reason for change	1. In the Radio Bearer Setup message new CRNTI value of '101010101010101010'B is sent. The same value needs to be updated in the SS.				
Summary of change	1. Created a new test step ts_CMAC_New_RNTI_Reconf_2sccpch. This new test step is required as in this case in the DL, physical channel Id required is tsc_S_CCPCH2 and also the transport channel Mapping information is different than the normal configuration.				
Source of change	New change				

Test St	ep ld:	ts_CMAC_New_RNTI_Reconf_2sccpch(p_ur NG)	mti:BOOLEAN; p_Cellid : INTEGER; p_U_R	ITM	: U_RNTI; p_C_RNTI : BITSTRI		
Test St	ep Group Ref.	BasicM_SS_Configuration_Steps/					
Objecti		Reconfigure MAC when a new U_RNTI or C_F	RNTI is assigned to UE.				
Default		SS Def					
Comm	ents:	U-RNTI and C-RNTI is necessary when DCCI	U-RNTI and C-RNTI are not required on DPCH. U-RNTI and C-RNTI is necessary when DCCH/DTCH mapped on S-CCPCH. C-RNTI is necessary when DCCH/DTCH mapped on PRACH.				
		Behaviour Description	Constraint Ref		Comments		
1	+ ts_SetTmp	Cellinfo (p_Cellid)					
2	+ ts_CRLC_	ReconfRLC_Size (p_umti)					
3	+ It_CMAC_	Reconf (p_urnti)					
It_CMA	C_Reconf(p_	umti: BOOLEAN)					
4	[p_umti]						
5	CMACICMA	C_Config_REQ	ca_CMAC_ReconfigInfoActNow(p_Cell d, tsc_S_CCPCH1, c_UE_Info(p_U_RN TI, OMIT), c_TrChInfoFACH_PB, c_TrLog MappingFACH_PS)		SS has valid U-RNTI, C-RNTI is not valid		
6	CMAC ? CM	AC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, tsc_S_CC PCH2)				
7	[NOT p_umb	1					
8	[tcv_TmpCel dNonePCH]	linfo.cellConfig = cell_FACH_2SCCPCH_Stan					
9	CMACICM	IC_Config_REQ	ca_CMAC_ReconfiginfoActNow (p_Cell d, tsc_PRACH1, c_UE_info (OMIT, p_C _RNTI), cb_TrChinfoRACH1, c_TrLogMa ppingRACH_DTCH)		BB has valid C-RNTI, U-RNTI is not valid Only C-RNTI is required on PR ACH		
10	CMAC?CN	tAC_Config_CNF	ca_CMAC_CfgCnf (p_Cellid , tsc_PRAC H1)				
11	CMACION	WC_Config_REQ	ca_CMAC_ReconfiginfoActNow (p_Cell d, tsc_S_CCPCH2, c_UE_Info(OMIT, p _C_RNTI), c_TrChInfoFACH_PS, c_TrLo gMappingFACH_PS)				
12	CMAC 7 C	MAC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, tsc_8_CC PCH2)				
13	[TRUE]						

4.12 Change 11

Test step	ts_RRC_ReceiveRB_SetupCmpl
Reason for change	At row 36 check for p_RbType = cell_FACH_2SCCPCH_StandAlonePCH_PS is required.
Summary of change	At row 36, replaced check for p_RbType = cell_FACH_2SCCPCH_StandAlonePCH to p_RbType = cell_FACH_2SCCPCH_StandAlonePCH_PS.
Source of change	New change

Before:

It_88	CipheringAM_RAS_UL_DL (p_KC : KeyCiphering)	
36	[(p_RbType = cell_DCH_64kPS_RAB_SRB) OR (p_RbType = cell_FACH_PS) OR (p_RbType = cell_Two_DTCH_CS_PS) OR (p_RbType = cell_Four_DTCH_CS_PS) OR (p_RbType = cell_FACH_3_SCCPCH_4_FACH_Cnfg1) OR (p_RbType = cell_FACH_3_SCCPCH_4_FACH_Cnfg2) OR (p_RbType = cell_FACH_3_SCCPCH_4_FACH_CTCH) OR (p_RbType = cell_FACH_3_SCCPCH_3_FACH_CTCH) OR (p_RbType = cell_DCH_DSCH_PS) OR (p_RbType = cell_DCH_DSCH_PS) OR	@sic Ne w RAB c omfig sic
37	(p_RbType = cell_FACH_2SCCPCH_StandAlonePCH() + it_CRLC_SecurityConfig (tov_CellIndInfo.start_PS, p_KC)	

4.13 Change 12

Test case Variable	ts_RRC_ReceiveConnSetupCmpl
Reason for change	At row 7 check for tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH is missing
Summary of change	At row 7 added a check for tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH
Source of change	New change

Before:

6	+ It_GetHFN	
7	[(tcv_TmpCellInfo.cellConfig = cell_FACH_NoConn) OR	
	(trv_TmpCellInfo.cellConfig = cell_FACH) OR	
	(tcv_TmpCellinfo.cellConfig = cell_FACH_BMC_NoConn.) OR	
	(txv_TmpCellInfo.cellConfig = cell_FACH_BMC) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_2_PRACH_NoConn.) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_2_PRACH) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_2_SCCPCH_NoConn.) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_2_SCCPCH) OR	
	(txv_TmpCellInfo.cellConfig = cell_FACH_MAC_SRB_NoConn.) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_MAC_SRB) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_MAC_SRB0_NoConn) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_MAC_SRB0.) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH_NoConn) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1_NoConn) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg2_NoConn) OR	
	(txv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg2)0R	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH_NoConn) OR	
	(tcv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH)]	
8	START LWaitMS	

```
+ It_GetHFN
[(tcv_TmpCellInfo.cellConfig = cell_FACH_NoConn) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH) 0R
(tcv_TmpCellinfo.cellConfig = cell_FACH_BMC_NoConn.) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_BMC) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_2_PRACH_NoConn) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_2_PRACH) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_2_SCCPCH_NoConn) OR
(1cv_TmpCellinfo.cellConfig = cell_FACH_2_SCCPCH) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_NoConn ) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB0_NoConn.) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SR80) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH) OR
(1sv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1_NoConn.) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1 ) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg2_NoConn ) OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg2)OR
(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH_NoConn ) OR
(try_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH)]
START LWaitMS
```

4.14 Change 13

Test step	po_ConnectionAndSS_Rel
Reason for change	At row 8 check for tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH_PS is missing.
Summary of change	At row 8 added a check for tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH_PS
Source of change	New change

Before:

6	[(txv_TmpCellinfo.cellConfig = cell_DCH_StandAloneSRB_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_BMC_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_BMC_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2_PRACH_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2_PRACH_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2_SCCPCH_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRBO_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig1_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig2_NoConn.) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig2_NoConn.) OR	3.	
8	[TRUE] [(tcv_TmpCellinfo.cellConfig = cell_FACH_OR (tcv_TmpCellinfo.cellConfig = cell_FACH_PS) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_BMC) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2_PRACH_) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2_SCCPCH) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH)OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig1) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig2)OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH)]	1.	

6	[(trv_TmpCellinfo.cellConfig = cell_DCH_StandAloneSRB_NoConn.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_NoConn.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_BMC_NoConn.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_BMC_NoConn.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_SOCOND.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_NoCond.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_NoCond.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_NoCond.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_SOCOND.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_SOCOND.) OR (trv_TmpCellinfo.cellConfig = cell_FACH_SOCOND.) OR	3.	
7	[TRUE]	4.	
8	[(tcv_TmpCellinfo.cellConfig = cell_FACH_) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_PS) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_BMC) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2_PRACH_) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2_SCCPCH_) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_MAC_SRB_) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_SCCPCH_StandAlonePCH_OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2_SCCPCH_StandAlonePCH_PS) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig1) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig1) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig2)OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_CTCH))	1.	

4.15 Change 14

Local Test Step and Test Case Body	ts_SS_Rel			
Reason for change	1. At row 77 check for tcv_TmpCellInfo.cellConfig =			
_	cell_FACH_2SCCPCH_StandAlonePCH_PS is missing.			
	2. At the SS side release of Physical channels, transport Channels, MAC			
	and RLC entity is not correct.			
Summary of change	1. At row 77 added a check for tcv_TmpCellInfo.cellConfig =			
	cell_FACH_2SCCPCH_StandAlonePCH_PS			
	2. Replaced rows 78 to 101 with rows 78 to 95.			
Source of change	New change			

Before:

76	+ ts_SetCellCfg (p_Cellid, cell_NotConfigured)	
77	[(txv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH_NoConn.) OR	
	(toy TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH)]	
78	+ It_RelSRB1_4	
79	+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB20)	
90	+ ts_CRLC_Rel (p_Cellid, tsc_RB_BCCH_FACH)	
81	+ ts_CRLC_Rel (p_Cellid , tsc_RB_PCCH2)	
82	+ts_CRLC_Rel(p_Cellid, tsc_RB0)	2.
83	+ ts_CMAC_Rel (p_Cellid, tsc_PRACH1)	
84	+ts_CPHY_TrChRelNonDch (p_Cellid, tsc_PRACH1)	
85	+ ts_SS_StopRL (p_Cellid , tsc_PRACH1)	
88	+ts_SS_StopRL (p_Cellid , tsc_AlCH1)	
87	+ ts_CMAC_Rel (p_Cellid, tsc_B_CCPCH1)	
88	+ ts_CPHY_TrChRelNonDch (p_Cellid, tsc_S_CCPCH1)	
89	+ ts_SS_StopRL (p_Cellid , tsc_S_CCPCH1)	
90	+ ts_SS_StopRL (p_Cellid, tsc_PICH1)	
91	+ts_CMAC_Rel (p_Cellid, tsc_8_CCPCH2)	
92	+ts_CPHY_TrChRelNonDch (p_Cellid , tsc_8_CCPCH2)	
93	+ts_SS_StopRL(p_Cellid, tsc_S_CCPCH2)	
94	+ ts_SS_StopRL (p_Cellid , tsc_PICH2)	
95	+ It_ReleaseCommonCh	
96	+ bs_CMAC_Rel (p_Cellid, tsc_8_CCPCH2)	
97	+ts_CPHY_TrChRelNonDch (p_Cellid , tsc_8_CCPCH2)	
98	+ts_88_StopRL (p_Cellid, tsc_8_CCPCH2)	
99	+1s_SS_StopRL (p_Cellid , tsc_PICH2)	
10	+ It_Release_BCCH	
0		
10	+ ts_SetCellCfg (p_Cellid, cell_NotConfigured)	
1		
10	[(tcv_TmpCellinfo.cellConfig = cell_FACH_3_BCCPCH_4_FACH_Cnfg1_NoConn) OR	
2	(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1) OR (tcv_TmpCelli	
	nfo.cellConfig =cell_FACH_3_SCCPCH_4_FACH_Cnfg2_NoConn) OR (fcy_TmpCellinfo.c	
	ellConfig =cell_FACH_3_SCCPCH_4_FACH_Cnfg2)]	

After:

After:			
77	[(tcv_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH_NoConn) OR		
	(tcv_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAlonePCH)		
	OR (tcv_TmpCellinfo.cellConfig = cell_FACH_2BCCPCH_StandAlonePCH_PS))		
78	+ It_ReiSRB1_4		
79	ts_CRLC_Rel (tsc_CellDedicated, tsc_RB20)		
80	+ ts_CRLC_Rei (p_Ceilid , tsc_RB_BCCH_FACH)		
81	+ ts_CRLC_Rel (p_Cellid, tsc_RB0)	2.	
82	+ ts_CMAC_Rel (p_Cellid, tsc_PRACH1)		
83	+ ts_CPHY_TrChRelNonDch (p_Cellid, tsc_PRACH1)		
84	+ 1s_SS_StopRL (p_Cellid , 1st_AICH1)		
85	+ ts_SS_StopRL (p_Cellid, tsc_PRACH1)		
86	+ts_CRLC_Rel(p_Celld, tsc_RB_PCCH2)	3.	
87	+ ts_CMAC_Rel (p_Cellid, tsc_8_CCPCH1)		
88	+ ts_CPHY_TrChReiNonDch (p_Cellid , tsc_S_CCPCH1)		
89	+ ts_SS_StopRL (p_Cellid, tsc_PICH1)		
90	+ts_SS_StopRL (p_Cellid , tsc_S_CCPCH1)		
91	+ ts_CMAC_Rel (p_Cellid, tsc_8_CCPCH2)		
92	+ ts_CPHY_TrChRelNonDch (p_Cellid , tsc_8_CCPCH2)		
93	+ts_SS_StopRL(p_Cellid, tsc_S_CCPCH2)		
94	* It_Release_BCCH		
95	+ ts_SetCellCtg (p_Cellid, cell_NotConfigured)		
96	[(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1_NoConn) OR		
	(tov_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Crifg1) OR (tov_TmpCellinfo.cellConfig		
	g =cell_FACH_3_SCCPCH_4_FACH_Crifg2_NoConn) OR (toy_TmpCellinfo.cellConfig =cell_FACH_3_ SCCPCH_4_FACH_Crifg2)]		

Branches executed in test case 14.4.2.1

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

5 Execution Log Files

5.1 Nokia 7600

The Nokia 7600 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]:

5.2 Sony Ericsson Z1010

The Sony Ericsson Z1010 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]:

6 References

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

CHANGE REQUEST						
[♯] TS 3	4.123-3 CR 383	3.6.1 ^{**}				
For <u>HELP</u> on us	sing this form, see bottom of this page or look at the pop-up text over t	the ¥ symbols.				
Proposed change a	affects: UICC apps第 ME Radio Access Network	Core Network				
Title: ₩	Addition of RAB Package 3 test case 14.2.38a to RAB ATS V3.6.1					
Source: #	Anite					
Work item code: ₩	N/A Date: ₩ 05/0)8/04				
	A (corresponds to a correction in an earlier release)R96(Release)B (addition of feature),R97(Release)C (functional modification of feature)R98(Release)	llowing releases: I Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5) ase 6) approved RAB				
Summary of chang Consequences if not approved:	ne: No Changes are required in the wk31 TTCN. Test case will not be added to ATS					
Clauses affected:	₩ H					
Other specs affected:	Y N X Other core specifications 策 Test specifications O&M Specifications					
Other comments:	\mathbf{x}					

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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004

T1s040432

01 Jan - 31 Dec 2004

Title: Changes to test cases 14.2.38a required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 14.2.38a, which is part of the RAB test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs.

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3 Verification Test Summary

Test Case: tc_14_2_38a

Test Group: RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd

ATS Version: iWD-TVB2003-03_D04wk31 + essential modifications

System Simulator used: Anite 3G CT

UE used: Nokia 7600, Sony Ericsson Z1010

Verification Status: PASS

4 Branches executed in test case 14.2.38a

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

5 Execution Log Files

5.1 Nokia 3G UE 7600

The Nokia 7600 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

5.2 Sony Ericsson UE Z1010

The Sony Ericsson Z1010 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

6 References

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

Tdoc #T1s040433

			C	HANC	GE RE	QUE	ST				CR-Form-v7
[#] TS:	34.1	23-3	CR	384	⊭re	v -	¥	Current vers	sion: 3.	6.1	ж
For <u>HELP</u> on t	using	this for	m, see	bottom of	this page	or look	at the	e pop-up text	over the	₩ syr	nbols.
Proposed change	e affec	ts: l	JICC ap	ops#	ME	Ra	dio A	ccess Netwo	rk C	ore Ne	etwork
Title:	₩ Add	ition of	RAB P	ackage 3	test case	14.2.38	Be to F	RAB ATS V3	6.1		
Source: 3	₩ <mark>Anit</mark>	е									
Work item code: 3	₩ N/A							Date: #	05/08/	04	
Category: 3	Deta	F (cord A (cord B (add C (fund D (edit iiled exp	rection) respond lition of t ctional n torial mo olanatior	wing categors to a corresponding	ection in an)		Release: #6 Use one of 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6		nase 2) 1996) 1997) 1998) 1999) 4)	eases:
Reason for chang	ge: Ж	ATS \ For th	/3.6.1 e origin	al version	(T1s040	393) of	this C	es 14.2.38e t R, MCC 160 ted those ch	had in pr	inciple)
Summary of chan	ıge: ૠ	No Ch	nanges	are requir	ed in the	wk31 T	TCN.				
Consequences if not approved:	Ж	Test of	case wil	I not be a	dded to A	ΓS					
Clauses affected:	· *										
Other specs affected:	ж	Y N X X	Test s	core spec pecificatio Specificati	ns	X					
Other comments:	* ¥										

How to create CRs using this form:

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

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

- downloaded from the 3GPP server under $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004

01 Jan - 31 Dec 2004

T1s040433

Title: Changes to test cases 14.2.38e required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 14.2.38e, which is part of the RAB test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs.

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5.1	Execution Log Files	4
6	References	4

3 Verification Test Summary

Test Case: tc_14_2_38e

Test Group: RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd

ATS Version: iWD-TVB2003-03_D04wk31 + essential modifications

System Simulator used: Anite 3G CT

UE used: Nokia 7600, Sony Ericsson Z1010

Verification Status: PASS

4 Branches executed in test case 14.2.38e

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

5 Execution Log Files

5.1 Nokia 3G UE 7600

The Nokia 7600 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

5.2 Sony Ericsson UE Z1010

The Sony Ericsson Z1010 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

6 References

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

CHANGE REQUEST				
TS 3	4.123-3 CR 385 #rev - #	Current version: 3.6.1		
For <u>HELP</u> on us	ring this form, see bottom of this page or look at the	e pop-up text over the \mathbb{K} symbols.		
Proposed change a	ffects: UICC apps器 ME Radio Ac	ccess Network Core Network		
Title: ૠ	Addition of RAB Package 2 test case 14.4.2.2 to RA	AB ATS V3.6.1		
Source: #	Anite			
Work item code: 器	N/A	Date: 第 13/08/04		
	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.	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
Summary of change	V3.6.1 This document lists all changes applied to test approval. See detailed change description for further info	·		
Consequences if not approved:	# Test case will not be added to ATS Test case will not be added to ATS			
Clauses affected:				
Other specs affected:	Y N X Other core specifications			
Other comments:	x			

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- just in front of the clause containing the first piece of changed text. which are not relevant to the change request.	-A to select it) into the specification Delete those parts of the specification

3GPP TSG-T1 E-Mail 2004

T1s040462

01 Jan - 31 Dec 2004

Title: Changes to test case 14.4.2.2 required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.4.2.2, 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.

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3 Verification Test Summary

Test Case: tc_14_4_2_2

Test Group: RAB/CombinationsOnSCCPCH

ATS Version: iWD-TVB2003-03_D04wk31 + essential modifications

System Simulator used: Anite 3G U-SAT

UE used: Nokia 7600, Motorola A835

Verification Status: PASS

4 Corrections required for test case 14.4.2.2

4.1 Introduction

This section describes the changes required to make test case 14.4.2.2 run correctly with a 3G UE. The ATS version used as basis was RAB_wk31.mp, which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Change 1

Test step	cb_SIB5_Def_3SCCPCH		
Reason for change	 a) Power offset Pp-m should be set 0. b) Gain factor ßc should be set to 11. c) AICH transmission timing should be set 0. d) The TFCS complete reconfiguration information should contain 0,1,2,3,4 as a part of CTFC information. In the TTCN implementation CTFC 5 is also used. e) TFS for FACH transport channel ID 1 used in TTCN is not correct. 		
f) TFCS for SCCPCH 1 is not correct. Summary of change Following changes are done in the constraint to be as per 34.108: a) Changed the value of Power offset Pp-m from -5 to 0. b) Changed the value of Gain factor ßc from 10 to 11. c) Changed the value of AICH transmission timing from e1 to e0. d) Removed CTFC 5 from the TFCS complete reconfiguration information e) Replaced "c_FACH_TFS_UE_2ndSCCPCH" with "c_FACH_TFS_UE_3rdSCCPCH" for FACH transport Channel ID 1. f) Updated the TFCS for SCCPCH 1 as per 34.108.			
Source of change	New change		

Before:

```
aich_mfo (
channelisationCode258 tsc_AlCH1_ChC,
sttd_Indicator FALSE,
(aich_TransmissionTiming e1)
}
```

```
tics.normalTECI_Signalling:.complete: (ctfcSize(ctfc2Bit ))
  {ctfc2 0 }, {ctfc2 1 }, {ctfc2 2 })},
 fach_PCH_InformationList{
  transportFormatSet commonTransChTFS: (_FACH_TFS_UE_2ndSCCPCH)
  transportChannelIdentity tsc_FACH1, -- FACH
  ctch_indicator FALSE
  transportFormatSet.commonTransChTFS:c_FACH_TFS_PS_UE,
  transportChannelIdentity tsc_FACH2, -- FACH
  ctch Indicator FALSE
1.
 secondaryCCPCH_Info(
 modeSpecificInfo fdd: {
  dummy1 mayBeUsed, -- mandatory ie
   secondaryScramblingCode OMIT,
   stid Indicator FALSE.
   sf_AndCodeNumbertsc_S_CCPCH3_ChC,
  pilatSymbolExistence FALSE,
  tfci_Existence TRUE,
  positionFixedOrFlexible flexible,
  timingOffset 90
tfcs normalTFCI_Signalling : complete: {ctfcSize ctfc4Bit : {
  {ctrc4 0 }, {ctrc4 1 }, {ctrc4 2 }, {ctrc4 3 }, {ctrc4 4},{ctrc4 5 }
 Ю.
```

```
aich_Info {
    channellisationCode256 tsc_AICH1_ChC,
    sttd_Indicator FALSE,
    aich_TransmissionTiming e0
}
```

```
tfcs normalTFCI_Signalling : complete: {ctfcSize@fc4Bit} (
 {ctfc4 0 }, (ctfc4 1 ), {ctfc4 2 }, (ctfc4 3 ), {ctfc4 4})),
 fach_PCH_InformationList (
  transportFormatSet.commonTransChTF8:(c_FACH_TF8_UE_3rd8CCPCH)
  transportChannelldentity tsc_FACH1, -- FACH
  ctch_Indicator FALSE
  transportFormatSet.commonTransChTFS:c_FACH_TFS_PS_UE,
  transportChannelIdentity tsc_FACH2, -- FACH
  ctch_Indicator FALSE
h.
 secondaryCCPCH_Info (
 modeSpecificInfo fdd : {
  dummy1 mayBeUsed, -- mandatory ie
   secondaryScramblingCode OMIT,
   sttd_Indicator FALSE,
   sf_AndCodeNumbertsc_S_CCPCH3_ChC,
   pilotSymbolExistence FALSE,
  tfci_Existence TRUE,
  positionFixedOrFlexible flexible,
  firmingOffset 90
 tfcs normalTFCI_Signalling: complete: (ctfcSize ctfc4Bit: (
  (ctfc4 0 ), (ctfc4 1 ), (ctfc4 2 ), (ctfc4 3 ), (ctfc4 4))
```

4.3 Change 2

Test step name	tc_14_4_2_2
Reason for change	According to 3GPP TS 34.123-1 RAB created should be of Interactive or Background type. In the current TTCN implementation only Interactive type is created.
	Test Step ts_RB_InitTest_3SCCPCH always create Interactive type RAB.
	The CRNTI used in Radio Bearer Setup message sent from Test Step
	ts_SendRB_SetUp_FACH_3SCCPCH_32k is not as per 34.108 default content for Radio Bearer Setup Message.
	4. The TFC list (c_TFC_Allowed_0_3) used for DL SS restriction is wrong.
	In the TTCN, tcv_CN_Domain is assigned based on the PIXIT
	px_CN_DomainTested in the test step ts_AssignCN_Domain.
	As this test case configures PS RAB, tcv_CN_Domain should be assigned to
	ps_domain independent of PIXIT px_CN_DomainTested. 1. Added local trees It_Interactive and It_Background to create Interactive and
Summary of change	Background type RAB based on the pc_Interactive and pc_Background.
	Test step ts_RB_InitTest_3SCCPCH is parameterised to take PagingCause and
	EstablishmentCause as an input parameter in order to create Interactive and
	Background RAB. The correct parameters are passed from It_Interactive and
	It_Background.
	3. Updated the value of Cell CRNTI with tsc_New_CRNTI2 ('1010101010101010'B),
	which will be used while sending the Radio Bearer Setup message to the Mobile in
	localtree It_Interactive and It_Background.
	 In It_Interactive added test steps ts_RRC_ConnRel and ts_GMM_DetachOnSwitchOff to handle Detach from the UE during power off after
	execution for Interactive RAB.
	5. Changed the TFC list to c_TFC_Allowed_0_1_3 to be used for DL SS restriction.
	6. At row 3 of the TTCN, instead of using test step ts_AssignCN_Domain,
	tcv_CN_Domain is assigned to ps_domain.

Source of change	New change
------------------	------------

1	START (_Guard(300)	
2	+ts_InitVariables	
3	+ts_AssignCN_Domain	Sets domain for testing
4	+ts_RB_initTest_3SCCPCH	
5	+ts_SendRB_SetUp_FACH_3SCCPCH_32k(tsc_CellA,tsc_RAB_DetPS,tcv_ActTime)	
6	+ ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1, (c_TFC_Allowed_0_3) c_UE_TestLoopMode1_LB_Setup (312, tsc_RB20), 312)	
7	TBE1 (tcv_TestBody := FALSE)	
8	+ts_TC_DeactivateRB_TestMode (tsc_CellA)	Steps 20-21
9	+ po_ConnectionAndSS_Rel (tsc_CellA)	

After:

START (_Guard(300)	
+ts_InitVariables	
((cv_CN_Domain:=ps_domain)	Sets domain for testing
+It_interactive	
+It_Background	
ctive	
[pc_interactive]	
+ts_RB_InitTest_3SCCPCH(terminatingInteractiveCall,terminatingInteractiveCall)	
(ficy_CellinfoA.cRtNTl := tsc_New_CRNTl2)	
+ts_SendRB_SetUp_FACH_3SCCPCH_32k(tsc_CellA,tsc_RAB_DetPS,tcv_ActTime)	
+ ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1,	
c_TFC_Allowed_0_1_3/c_UE_TestLoopMode1_LB_Setup (312,tsc_RB20), 312)	
E1 (tcv_TestBody = FALSE)	
+ ts_TC_DeactivateRB_TestMode (tsc_CellA)	Steps 20-21
+ts_RRC_ConnRel(tsc_CellA, cell_Fach_Doch)	
+ts_GMM_DetachOnSwitchOff(tsc_CellA)	
+ po_ConnectionAndSS_Rel (tsc_CellA)	
[TRUE]	
ground	
[pc_Background]	
+ts_RB_InitTest_3SCCPCH@erminatingBackgroundCall,terminatingBackgroundCall)	
(tcv_CellinfoA.cRtNTl := tsc_New_CRNTl2)	
+ts_SendRB_SetUp_FACH_3BCCPCH_32k(tsc_CellA,tsc_RAB_DefP8,txv_AcfTime)	
+ ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1, c_TFC_Allowed_0_1_3) c_UE_TestLoopMode1_LB_Setup (312.tsc_RB20), 312)	
	Steps 20-21
+ po ConnectionAndSS Rel(tsc CellA)	
	+ts_InitVariables (itx_CN_Domain :=ps_domain) +it_interactive +it_Background active [pc_Interactive] +ts_RB_InitTest_3SCCPCH(derminatingInteractiveCall,terminatingInteractiveCall) (itx_CellinfoA.cRNTl := tsc_New_CRNTl2) +ts_SendRB_SetUp_FACH_3SCCPCH_32k(tsc_CellAtsc_RAB_DetPs.ttv_ActTime) +ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1, c_TFC_Allowed_0_1, c_TFC_Allowed_0_1 act_TFC_Allowed_0_1, c_TFC_Allowed_0_1, c_TFC_Allowed_0_1, c_TFC_Allowed_0_1, c_TFC_DeactivateRB_TestMode (tsc_CellA) +ts_TC_DeactivateRB_TestMode (tsc_CellA) +ts_RRC_ConnRel (tsc_CellA, cell_Fach_Doth) +ts_GMM_DetachOnSwitchOff(tsc_CellA) [TRUE] ground [pc_Background] +ts_RB_InitTest_3SCCPCH(derminatingBackgroundCall,terminatingBackgroundCall) (itx_CellinfoA.cRNTl := tsc_New_CRNTl2) +ts_SendRB_SetUp_FACH_3SCCPCH_32k(tsc_CellAtsc_RAB_DetPS.ttv_ActTime) +ts_RB_SubTest_RB20_FACH_tsc_RB_TestData_3024, c_TFC_Allowed_0_1, c_T

4.4 Change 3

Test step	ts_RB_InitTest_3SCCPCH
Reason for change	 Test Step ts_RB_InitTest_3SCCPCH always create Interactive type RAB. In this test step the cell created based on the PIXIT px_PTMSI_Def assigned to UE at the beginning of the test case in order to know UE will select which SCCPCH. However at the beginning of the Test case it is not known which is the initial UE Identity UE has. Thus to overcome this issue for the idle update the cell is created as per the system information mentioned in 34.108 section 6.1.0b. Later System Information is modified as per section 6.1.3 of 34.108 and UE is Paged for the same. Finally Cell is Reconfigured based on the TMSI/P-TMSI and URNTI assigned to the mobile during Idle update
Summary of change	 Test step ts_RB_InitTest_3SCCPCH is parameterised to take PagingCause and EstablishmentCause as an input parameter and the same is passed to test step ts_RRC_PagType1_P_TMSI_Cause and ts_RRC_ConnEst as input parameter. Added new test step ts_SendDefSysInfo_withoutSIB6_3SCCPCH, which is similar to ts_SendDefSysInfo_withoutSIB6. In the new test step in order to send SIB5 a new constraint cb_SIB5_NoSib6 is added and also removed the call to ts_SendPage1_ModifySI. Added new test step ts_SendPage1_ModifySI_New to page the UE for the new system Information. This test step is similar to ts_SendPage1_ModifySI from which

	call to ts_SendSysInfoChangeInd_InFACHConfig is removed as UE is in Idle Mode. 4. Added a new local Tree lt_ReconfigureCell, which is used to reconfigure the cell based on System Information specified in 34.108 section 6.1.3 based on the TMSI/P-TMSI and URNTI assigned to the Mobile during Idle Update. 5. In order to modify the cell as per the new configuration two new test steps are added: ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg1 and ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg2.
Source of change	New change

Test S	itep ld: (ts RB InitTest 39CCPCH)		
	tep Group Ref. RB_Steps/Initialization/		
Object		st cases	
Defau	its: RRC_Defi		
Comn	nents: @SIC_NAPP		
	. Behaviour Description	Constraint Ref	Comments
1	[(BIT_TO_INT(o_OcfToBit(px_PTMSI_Deft))MOD 2) = 0]	,	
2	+ts_SS_CreateCell3_SCCPCH_4_FACH_Crifty 1 (tsc_CellA)		
3	(fcv_CellCnfg :=1)		
4	+it_NextSteps		
5	[(BIT_TO_INT(o_OcfToBit(px_PTMSI_Def))MOD 2) = 1]		
6	+ts_SS_CreateCell3_SCCPCH_4_FACH_Crifg 2 (tsc_CellA)		
7	(tcv_CellCnfg :=2)		
8	+it NextSteps		
tt_Nex	dSteps		
9	+ ts_SetTmpCellinfo (tsc_CellA.)		Fetch record corresponding to current cel
10	(+ts_SendDefSysInfo_withoutSiB6 (tsc_CelIA)		
11	+ ts_ldleUpdated (tsc_CellA)		
12 TE	BS (tcv_TestBody:=TRUE)		
13	+ts_RRC_PagType1_P_TMSI_Cause (tsc_C el/A, px_PTMSI_Def, terminatingInteractiveCall)		
14	+ ts_RRC_ConnEst (tsc_CellA, est_MT, ter minatingInteractiveCall)		Steps 2-5
15	Dt?RRC_DataInd (tov_Start = RRC_DataInd.start)	car_PS_initDirectTransfer (tsc_CellDedi cated, tsc_R83, cr_ServiceRequest(c_S erviceType_v(010'8), c_MobileIdPTMSI_I v(txv_AssignedPTMS0, ?))	Step 6

\ I L						
Tes	st Ste	p ld:	(ts_RB_InitTest_3SCCPCH(p_PagingCause #	agingCause ; p_Establishme	entC	ause EstablishmentCause)
Tes	st Ste	p Group	Ref. RB_Steps/Initialization/			
Obj	iective	BC	To setup the environement for PS test cases			
Det	faults	;	RRC_Deff			
Cor	mme	nts:	@SIC_NAPP			
			Behaviour Description	Constraint Ref		Comments
1		+ts_SS_	_CreateCellFACH (tsc_CellA)		$\overline{}$	Configuration has to be changed
2		+ ts_Se	rtTmpCellinfo (tsc_CellA.)			Fetch record corresponding to current cell
3		+ts_Se	endDefSysInfo_withoutSIB6_3SCCPCH (tsc_CellA)			-
4		+ ts_lc	dieUpdated (tsc_CellA)			
5			endSiB5(cb_SiB5_Def_38CCPCHi()cv_CellinfoA), ti tsc_Now)	90		
6		+18_8	SendMIB (1cv_MIB, tsc_CellA, tsc_Now)			
7		+ts_t alueTag	SendPage1_ModifySl_New(tsc_CellA, tcv_MIB.mib_i i)	v		
8		+It_F	ReConfigureCell			
9	TBS 1	(tev	_TestBody:=TRUE)			
10			:_RRC_PagType1_P_TMSI_Cause (tsc_CellA, px_F f, p_PagingCause)	ग		
11		+ t entCaus	s_RRC_ConnEst(tsc_CellA, est_MT, p_Establishr se)	n		Steps 2-5
12			c?RRC_Dataind rt := RRC_Dataind.start)	car_PS_InitDirectTransfer (tsc_CellDedicated, tsc_ RB3, cr_ServiceRequest(c_ServiceType_v(010'B), c_MobileIdPTMSI_lv(tcv_A ssignedPTMSI), ?))		Step 6
13		0	zv_CellIndInfo.start_PS := tzv_Start)			
14)	ts_SS_SecurityDownloadStart (ps_domain, tcv_Sta	rt		

_	ConfigureCell	
17	+ts_RRC_Delay(5000)	Give delay for UE to listen to new configuration
18	+It_ReleaseCell	
19	+t_ModifyCell	
-	easeCell	
20	+ ts_CRLC_Rel (tsc_CellA, tsc_RB0)	2.
21	+ts_CRLC_Rel (tsc_CellA, tsc_RB_BCCH_FACH)	
22	* ts_CRLC_Rel (tsc_CellDedicated, tsc_RB20)	
23	+ ts_CMAC_Rel (tsc_CellA, tsc_PRACH1)	
24	+ ts_CPHY_TrchRelNonDch (tsc_CellA, tsc_PRACH1)	
25	+ ts_SS_StopRL (tsc_CellA, tsc_AICH1)	
26	+ ts_SS_StopRL (tsc_CellA, tsc_PRACH1)	2
27 28	+ ts_CRLC_Rel (tsc_CellA, tsc_RB_PCCH) + ts_CMAC_Rel (tsc_CellA, tsc_S_CCPCH1)	3.
29	+ ts_CPHY_TrChReiNonDth (tsc_CellA, tsc_B_CCPCH1)	
30	+ts_SS_StopRL(tsc_CellA, tsc_PICH1)	
31	+ ts_SS_StopRL (tst_CellA, tst_S_CCPCH1)	
32	+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB1)	1.
33	+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB2)	
34	+ts_CRLC_Rel (tsc_CellDedicated, tsc_RB3)	
35	+ts_CRLC_Rel (tsc_CellDedicated, tsc_RB4)	
	ifrCell	
38	[pc_CS]	
37	[(BIT_TO_INT(o_OcfToBit(px_TMSI_Def))MOD 2) = 0]	
38	[(BIT_TO_INT(o_BitstringConcat(tcv_CellInfoA.uRINTLsrnc_Identity,tcv	
	_CellinfoA.uRNTl.s_RNTl,12,20))MOD 2) = 1]	
39	+ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg1 (tsc_CellA)	
40	(tcv_CellCnfg :=1)	
41	[(BIT_TO_INT(o_BitstringConcat()cv_CellinfoAuRNTLsmc_identity,tcv _CellinfoAuRNTLs_RNTI,12,20()MOD 2) = 0]	
42	(tcv_CellinfoA.uRNTl.s_RNTl := '000000000000000000001'9)	
43	+ts_SS_ModifyCell3_SCCPCH_4_FACH_Crifg1 (tsc_CellA)	
44	(trv_CellCnfg :=1)	
45	[(BIT_TO_INT(o_OctToBit(px_TMSI_Def))MOD 2) = 1]	
46	[(BIT_TO_INT(o_BitstringConcat(tcv_CellInfoA.uRNTLsrnc_Identity,tcv _CellInfoA.uRNTLs_RNTI,12,20))MOD 2) = 0)	
47	+ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg2 (tsc_CellA)	
48	(tcv_CellCnfg :=2)	
49	[(BIT_TO_INT(o_BitstringConcat);cv_CellinfoA.uRNTI.srnc_identity;tcv CellinfoA.uRNTI.s_RNTI.12.20))MOO 2) = 1]	ĺ
50	(txv_CellinfoA.uRNTl.s_RNTl := '00000000000000000000000000000000000	
51	+ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg2 (tsc_CellA)	
52	(fcv_CellCnfg := 2)	
53	[pc_P8]	
54	[(BIT_TO_INT(o_OcfToBit(px_PTMSt_Deft))MOD 2) = 0]	
55	[(BIT_TO_INT(o_BitstringConcat/tcv_CellinfoA.uRNTI.srnc_identity,tcv _CellinfoA.uRNTI.s_RNTI,12,20))MOO 2) = 1]	
56	+ts_B8_ModifyCell3_8CCPCH_4_FACH_Cnfg1 (tsc_CellA)	
57	(tcv_CellCnfg :=1)	
58	[(BIT_TO_INT(o_BitstringConcat/tov_CellInfoA.uRNTI.srnc_Identity;tov	
	_CellinfoA.uRNTl.s_RNTl,12,20))MOD 2) = 0]	
59	(txv_CellinfoA.uRtvTl.s_RtvTl := '00000000000000000001'B)	
60	+ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg1 (tsc_CellA)	
61	(icv_CellCnfg :=1)	
62	[(BIT_TO_INT(o_OctToBH(px_PTMSI_Def))MOD 2) = 1]	
63	[(BIT_TO_INT(o_BitstringConcat()cv_CellinfoA.uRNTI.srnc_Identity,tcv _CellinfoA.uRNTI.s_RNTI,12,20))MOD 2) = 0]	
64	+ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg2 (tsc_CellA)	
65	(try_CellCnfg = 2)	
66	[(BIT_TO_INT(o_BitstringConcat()cv_CellinfoA.uRNTl.srnc_Identity;tcv _CellinfoA.uRNTl.s_RNTl,12,20))MOD 2) = 1]	
67	(tcv_CellinfoA.uRNTLs_RNTl := '00000000000000000000000000000000000	
68	+ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg2 (tsc_CellA)	
69	(tcv_CellCnfg :=2)	
70	[TRUE]	I

New Test Step:

	Test Step							
Test Step ld:	ts_SendPage1_ModifySl_N p_Cellid:INTEGER; p_mib_valuetag: MIB_Value)	-						
Test Step Group Ref:	BasicM_SysInfoHandling_S	Steps/						
Objective:				, to informed UE the change of System Information, and Tran- diffication info" on the BCCH, to inform UE the change of Syst				
Defaults:	InitOtherwiseFail							
Comments:								
Bet	naviour Description	Constraint Ref		Comments				
1 +ts_RRC_D	elay(tsc_WaitBeforePaging)			Give delay before paging type1				
2 +ts_CMAC_	Pag1_Cfg(p_CellId)							
3 TMIRLC_T	R_DATA_REQ	cas_PagingType1 (p_Cellid, tsc_RB_PCCH, cs_RRC_PagingType1_ModifySI (p_mib_valuetag)		SS sends PAGING TYPE1 message containing IE "BCCH in odification info"on the PCCH to inform UE the change of sys tem information.				

New Test Step:

		ep ld:	ts_SendDefSysInfo_withoutSIB6_3SCCPCH (p_Cellid: IN	TEGER)		
			oup Ref. NewTestSteps/			
	jecth		To broadcast default system infomation.			
	fault	-	InitOtherwiseFall			
Ca	mm	ents:	@SIC_NAPP		_	
			Behaviour Description	Constraint Ref		Comments
1		+ 18,	SetTmpCellinfo (p_Cellid)			Fetch record or rresponding to current cell
2		+ ts	UTRAN_GERAN_Parainit(p_Cellid)			
3		+ts	CellDependentPara(p_CellId)			
4		+ts	_InitializeSIB2AndSIB18(tcv_TmpCellinfo)			
5			s_InitializeSIB11_SIB12 (p_Celld)			
6		4	s_initializeS8			
7		D	ox_RAT = fdd]			
8			It_FillNoneSchedulledBlocks			
9			+ts_SendNoSegDefSchedul(p_CellId)			
10		n	+ts_SendSiB1 (cb_SiB1_Def(tcv_TmpCellInfo), Cellid, tsc_Now)			
11	Н	P-	+ts_SendSIB2 (tcv_SIB2,			
		n	Celld, tsc_Now)			
12	-	-	+ts_SendSIB3(tov_SIB3,			
		D	Cellid, tsc_Now)			
13	-	110	+ts_SendSIB4(tcv_SIB4, p_Cellid, tsr_Now)			
14		Naw	*ts_SendSiB5(cb_SiB5_NoSib6(tcv_TmpCellInfo), p_Cellid, tsc_			
15	т		+ts_SendSIB7(c_SIB7_Def, p_Cellid, tsc_Now)			
16			+ts_SendSIB11_RAB@cv_SIB11, p_Cellid, tsc_Now)			
17			+ts_SendSiB12_RAB(tcv_SiB12, p_Cellid, tsc_Now)			
18			+ts_SendSiB18_RAB(tcv_SiB18, p_Cellid, tsc_Now)			
19			+ts_SendSB1_DefSchedul(tcv_SB1, p_Cellid, tsc_Now)			
20			+ts_SendMiB(tcv_MiB, p_Cellid, tsc_Now)			
21	ER R1	D	x_RAT = 100]		I	
22	ER R2	[RUE]		ı	
U		ones	chedulledBlocks			
23		+65_	Scheduling(p_Cellid, 6, 3, tsc_Now)			pos = 3
24		CM	AC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf(p_Cellid, tsc_RB_BCCH)		
25		TM	RLC_TR_DATA_REQ	ca_TR_DataReq(p_Cellid, tsc_RB_BCCH, cs_ SIB_MsgNoSegment)		
26		+15	Scheduling(p_Celld, 6, 5, tsc_Now)			pos = 5
27		C	MAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf(p_Cellid, tsc_RB_BCCH)		
28		Т	MRLC_TR_DATA_REQ	ca_TR_DataReq(p_Cellid, tsc_RB_BCCH, cs_		

New Constraint:

+ts_Scheduling(p_Cellid, 6, 6, tsc_Now)

+ts_Scheduling(p_Cellid, 6, 7, tsc_Now)

CMAC?CMAC_SYSINFO_Config_CNF

CMAC?CMAC_SYSINFO_Config_CNF

TMRLC_TR_DATA_REQ

TMIRLC_TR_DATA_REQ

29

30

31

32

33

34

Constraint Name:	cb_SIB5_NoSib6 (p_Cellinfo: CellinfoCfg)					
Group:						
Type Name:	SysinfoType5					
Derivation Path:	cb_BIB5_Det					
Encoding Variation:						
Comments:	nments: System information block type 5					
Constraint Value						
REPLACE sibbindio	ator BY FALSE					

pos = 6

pos = 7

SIB_MsgNoSegment)

SIB_MsgNoSegment)

ca_SysInfoCfgCnf(p_Cellid, tsc_RB_BCCH)
ca_TR_DataReq(p_Cellid, tsc_RB_BCCH, cs_

ca_SysinfoCfgCnf(p_Cellid, tsc_RB_BCCH) ca_TR_DataReq(p_Cellid, tsc_RB_BCCH, cs_ SIB_MsgNoSegment)

New Test Step:

Test St	ep ld:	ts_SS_ModifyCell3_SCCPCH_4_FACH_Crifg1 (p_Cellid:INTEGER)						
TestSt	est Step Group Ref: RB_Steps/initialization/							
Objective:		To create the cell with 3 SCCPCHs						
		map PCCH to PCH to SCCPCH1						
		map BCCH and CCCH,to FACH1 and DTCH to FACH2 and intum map FA						
		map BCCH,CCCH,DCCH,to FACH3 and map DTCH to FACh3 and inturn r	nap FA	CH3 and FACH4 to SCCPCH3				
Default		SS_Def						
Commi	ents:	@SIC_NAPP						
Nr		Behaviour Description		Comments				
1	+ts_SS_Fin	stSCCPCH_PCH_PCCH_Cfg(p_Cellid)		PCH->SCCPCH1				
2	*ts_88_2F/	ACH_CCCH_BCCH_DTCH_SCCPCH2_Cfg(p_Celld)		(BCCH,CCCH,⇒FACH1, DTCH⇒FACH2)>8 CCPCH2				
3	+ts_SS_2F	ACH_CCCH_BCCH_DCCH_DTCH_SCCPCH3_Cfg(p_Cellid)		(BCCH, CCCH, DCCH -> FACH3 , DTCH->FACH 4)> SCCPCH3				
4	+1s_SS_R	ACH_CCCH_DCCH_DTCH_Cfg (p_Cellid)						
5	+ts_88_R	B_PCCH_Cfg(p_Cellid)						
6	+ts_SS_F	RB0_Cfg(p_Cellid)						
7	+ts_SS_	RB29_Cfg(p_Cellid)						
8	+ts_88_	RB1_ToRB4_Cfg						
9	*ts_SS	_RB_BCCH_FACH_Cfg(p_Cellid)		RB9 is on BCCH-FACH				
10	+ts_SS	_RB_BCCH_FACH_RAB_Cfg(p_Cellid)		RB9 is on BCCH-FACH				
11	+ts_88	3_R820_AM_P8_Cfg (320)						
12	*ts_S	S_RB22_AM_PS_Cfg(320)						
13	+ ts_5	SetCellCfg (p_Cellid, cell_FACH_3_SCCPCH_4_FACH_Crifg1_NoConn)						

New Test Step:

Test Step Id:	st Step ld: ts_SS_ModifyCell3_SCCPCH_4_FACH_Cnfg2 (p_Cellid:INTEGER)						
Test Step Group Ref:	RB_Steps/Initialization/						
Objective:	To create the cell with 3 SCCPCHs						
	map PCCH to PCH to SCCPCH1 map BCCH and CCCH,to FACH1 and DTCH to FACH2 and inform map FACH1 and FACH2 to SCCPCH2 map BCCH,CCCH,DCCH,to FACH3 and map DTCH to FACH3 and inform map FACH3 and FACH4 to SCCPCH3						
Defaults:	SS_Def						
Comments: @SIC_NAPP							
Behaviour Description Comments							

	Behaviour Description	 	Comments
1	+ ts_SS_FirstSC(Behaviour Description (p_Cellid)		PCH->SCCPCH1
2	+1s_SS_2FACH_CCCH_BCCH_DTCH_SCCPCH3_Cfg(p_Cellid)		(BCCH,CCCH,->FACH1 , DTCH->FACH2)>SC CPCH2
3	+ts_SS_2FACH_CCCH_BCCH_DCCH_DTCH_SCCPCH2_Cfg(p_Cellid)		(BCCH,CCCH,DCCH-> FACH3 ,DTCH->FACH4)> BCCPCH3
4	+ts_SS_RACH_CCCH_DCCH_DTCH_Cfg (p_Cellid)		
5	+ts_SS_RB_PCCH_Cfg(p_Cellid)		
6	+ts_SS_RB0_Cfg(p_Cellid)		
7	+ts_SS_RB29_Cfg(p_Cellid)		
8	+ts_SS_RB1_ToRB4_Cfg		
9	+ts_88_RB_BCCH_FACH_Cfg(p_Cellid)		RB9 is on BCCH-FACH
10	+ts_SS_R8_BCCH_FACH_RAB_Cfg(p_Cellid)		RB9 is on BCCH-FACH
11	*ts_SS_RB20_AM_PS_Cfg (320)		
12	+ts_SS_RB22_AM_PS_Cfg (320)		
13	+ ts_SetCellCfg (p_Cellid, cell_FACH_3_SCCPCH_4_FACH_Cnfg2_NoConn.)		

4.5 Change 4

Test step	ts_SS_2FACH_CCCH_BCCH_DTCH_SCCPCH3_Cfg
Reason for change	As per 34.108 section 6.1.3 timing offset for 3 SCCPCH should be 90. In the TTCN it is set as 0.
Summary of change	At row 3 of the test step replaced "tcv_TmpCellInfo.timingsCCPCH1" with "90"
Source of change	New change

3	[px_RAT = fdd]		
3	CPHYICPHY_RL_Setup_REQ	ca_sCCPCH_info (p_Cellid, tsc_S_CCPCH 3, tsc_S_CCPCH_2ndScrCode, tsc_S_CCP CH3_ChC, tcv_TmpCellinfo.siafFormatsCCP CH1_0cv_TmpCellinfo.pawersCCPCH1), tcv_TmpCellinfo.timingsCCPCH1)	s-CCPCH1
4	CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH3)	

After:

2	[px_RAT = fdd]		
3	CPH/ACPHY_RL_Setup_REQ	ca_sCCPCH_info (p_Cellid, tsc_S_CCPCH 3, tsc_S_CCPCH_2ndScrCode, tsc_S_CCP CH3_ChC, tcv_TmpCellinfo.slotFormatsCCP CH1, (tcv_TmpCellinfo.powersCCPCH1), (90)	s-CCPCH1
4	CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH3)	

4.6 Change 5

Test step	Test step ts_SS_2FACH_CCCH_BCCH_DTCH_SCCPCH3_Cfg	
Reason for change	As per 34.108 section 6.1.3 timing offset for 3 SCCPCH should be 90. In the TTCN it is set as 0.	
Summary of change	At row 3 of the test step replaced "tcv_TmpCellInfo.timingsCCPCH1" with "90"	
Source of change	New change	

Before:

2	[px_RAT = fdd]		
3	CPHYICPHY_RL_Setup_REQ	ca_sccPcH_nfb (p_Cellid, tsc_S_ccPcH 3, tsc_S_ccPcH_2ndScrCode, tsc_S_ccP CH3_chc, tcv_TmpCellinfo.siotFormatsCcP CH1, dcv_TmpCellinfo.powersCcPcH1), (cv_TmpCellinfo.imingsCcPcH1)	s-CCPCH1
4	CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH3)	

After:

2	[px_RAT = fdd]		
3	CPHYICPHY_RL_Setup_REQ	ta_sccPcH_info (p_cellid, tsc_S_ccPcH 3, tsc_S_ccPcH_2ndScrCode, tsc_S_ccP CH3_chc, tcv_TmpCellinfo.statFormatsccP CH1, (tcv_TmpCellinfo.powersccPcH1), (90)	s-CCPCH1
4	CPHY?CPHY_RL_Setup_CNF	ra_RL_SetupCnf(p_Cellid, tsr_S_CCPCH3)	

4.7 Change 6

Test step	ts_SS_FirstSCCPCH_PCH_PCCH_Cfg
Reason for change	 As per 34.108 section 6.1.3, the slot format used for SCCPCH carrying PCH should be 4. In the TTCN used value is 8.
	 As per 34.123-3 section 8.3.23 and 8.3.24 RB used for PCCH should be tsc_RB_PCCH. However in the constraint "c_TrLogMappingPCH2" at row 7 uses tsc_RB_PCCH2.
Summary of change	At row 3 changed slot format from "tcv_TmpCellInfo.slotFormatsCCPCH1" to "4".
	 Created a new Constraint c_TrLogMappingPCH_NoFACH in which RB ID used for PCCH is set as tsc_RB_PCCH and same is used at row 7
Source of change	New change

1	+ ts_SefTmpCellinfo (p_Cellid)		
2	[px_RAT = fdd]		
3	CPHYICPHY_RL_Setup_REQ	ca_sccPcH_infoPcH_RAB_StandAlone (p _Cellid, tsc_S_ccPcH1, tsc_S_ccPcH_2n dStrCode, (try_TmpCellinfo.slotFormatsCCPCH1), (tcy_ TmpCellinfo.powersCCPCH1))	s-CCPCH2
4	CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Celld, tsc_S_CCPCH1)	
5	CPHYICPHY_TrCH_Config_REQ	ca_PCH_Info2 (p_CellId, tsc_8_CCPCH1)	connect PCH and FACH to s-CCPCH1
6	CPHY ? CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_Cellid, tsc_S_CCPCH1)	
7	CMAC CMAC_Config_REQ	ca_CMAC_Cfginfo (p_Ceilid, tsc_B_CCPCH 1, c_UE_info (OMIT, OMIT), c_TrcHinfoPCH, (c_TrLogMappingPCH2)	map PCCH to PCH,
8	CMAC 7 CMAC_Config_CNF	ca_CMAC_CtgCnt(p_Cellid, tsc_8_CCPCH 1)	

After:

1	* ts_SetTmpCellinfo (p_Cellid)		
2	[px_RAT = fdd]		
3	CPHMCPHY_RL_Setup_REQ	ca_sccpcH_infoPcH_RAB_StandAlone (p _Cellid, tsc_8_ccPcH1, tsc_8_ccPcH_2n d8crCode, (4)(tcr_TmpCellinfo.powersccPcH1))	s-CCPCH2
4	CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH1)	
5	CPHYICPHY_TrCH_Config_REQ	ca_PCH_info2 (p_Cellid, tsc_S_CCPCH1)	connect PCH and FACH to s-CCPCH1
6	CPHY? CPHY_TrCH_Canfig_CNF	ca_TrChCfgCnf (p_Cellid, tsc_8_CCPCH1)	
7	CMAC!CMAC_Config_REQ	ca_CMAC_Cfgirfo (p_Cellid, tsc_S_CCPCH 1_c_UE_info (OMIT, OMIT), c_TrCHInfoPCH, (c_TrLogMappingPCH_NoFACH)	map PCCH to PCH,
8	CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCrrf(p_Celld, tsc_S_CCPCH 1)	

New Constraint:

```
Constraint Name: c_TrLogMappingPCH_NoFACH
Group:
Type Name: TrCH_LogCHMappingList1
Derivation Path:
Encoding Variation:
Comments: @SIC_NAPP
For FDD mode only, map PCCH to PCH
Used for the configuration cell_FACH_2SCCPCH_StandMonePCH.
```

4.8 Change 7

Test step	c_TrLogMappingFACH_BCCH_CCCH_SCCPCH3_PS,
	c_TrLogMappingFACH_BCCH_DCCH_CCCH_SCCPCH2_PS,
	c_TrLogMappingFACH_BCCH_CCCH_PS and

	c_TrLogMappingFACH_BCCH_DCCH_CCCH_PS	
Reason for change Wrong logicalChannelType of "dCCH" is used for logical Channel tsc_DL_CCCH6. Note: The changes shown below are only for the constraint		
	c_TrLogMappingFACH_BCCH_CCCH_SCCPCH3_PS.	
Summary of change Changed logicalChannelType from "dCCH" to "cCCH" to tsc_DL_CCCH5/tsc_DL_CCCH6.		
Source of change	New change	

```
{
    logicalChannel_Mapping dl_LogicalChannelMapping : {
        macHeaderManipulation normalMacHeader,
        dl_TransportChannelType fach,
        logicalChannelIdentfly.tsc_DL_CCCH5,
        logicalChannelType dCCH,
        rtc_SizeList configured : NULL,
        mac_LogicalChannelPriority 1
    },
    rB_identity tsc_RB0
}
```

After:

4.9 Change 8

Test step	ts_SS_2FACH_CCCH_BCCH_DCCH_DTCH_SCCPCH2_Cfg
Reason for change	As per 34.108 section 6.1.3 channelization code used for SCCPCH 2 should be sf64:1. In TTCN it is used as sf64:2
Summary of change	At row 3, replaced "tsc_S_CCPCH2_ChC" with "tsc_S_CCPCH2_DL_ChC"
Source of change	New change

Before:

2	[px_RAT = fdd]		
3	CPHYICPHY_RL_Setup_REQ	ca_sccPcH_info (p_cellid, tsr_S_ccPcH 2, tsr_S_ccPcH_2ndScrCode, tsr_S_ccPcH2_chc, tcr_TmpCellinfo.slofF ormatsccPcH1, (tcr_TmpCellinfo.powersc cPcH1), tcr_TmpCellinfo.timingsccPcH1)	s-CCPCH1
4	CPHY?CPHY RL Setup CNF	ca RL SetupOnf(p Cellid.tsc S CCPCH2)	

2	[px_RAT = fdd]			
3	CPHYCPHY_RL_Setup_REQ	ca_sccPcH_info (p_Cellid, tsc_S_ccPcH 2, tsc S_ccPcH_2ndSgrCode, tsc_S_ccPcH2_DL_chd, tcv_TmpCellinfo. slotFormatsccPcH1, (tcv_TmpCellinfo.pow ersccPcH1), tcv_TmpCellinfo.timingsccP CH1)	s-CCPCH1	
4	CPHY7CPHY_RL_Setup_CNF	ca_RL_SetupOnf(p_Cellid, tsc_S_CCPCH2)		

4.10 Change 9

Test step	ca_2_FACH_BCCH_CCCH_SCCPCH3_InfoActNow	
Reason for change	1. The TFS used for FACH3 is not as per the 34.108 section 6.1.3	
	2. The TFCS used is not as per the 34.108 section 6.1.3	
Summary of change	1. Replaced "c_FACH_BCCH_CCCH_TFS" with "c_FACH_TFS" for FACH3.	
	Replaced "c_TFCS_CmplFACH_BCCH_CCCH_Tx" with	
	"c_TFCS_CmplFACH_NoPCH_Tx"	
Source of change	New change	

Before:

```
cellid p_Cellid,
routingInfo physicalChannelIdentity: p_PhyChild,
ratType fdd,
trchConfigType nonDch : NULL ,
configMessage (
activationTime activateNow : NULL,
ulconnectedTrCHList OMIT,
ulTFCS OMIT,
diconnectedTrCHList {
{ trchid tsc_FACH3,
    d_TransportChannelType fach,
    bransportChannelType fach,
    dl_TransportChannelType fach,
    dl
```

After:

```
{
    cellid p_Cellid,
    routingInfo physicalChannelidentily: p_PhyChid,
    ratType fdd,
    trchConfigType nonDch : NULL,
    configMessage {
        activationTime activateNow : NULL,
        ulconnectedTrCHList OMIT,
        ulTFCS OMIT,
        dlconnectedTrCHList {
            { trchid tsc_FACH3,}
            dl_TransportChannelType fach,
            transportChannelInfo(_FACH_TFS),
            { trchid tsc_FACH4,}
            dl_TransportChannelType fach,
            transportChannelInfo c_FACH_TFS_PS} },
            dlTFCS(_TFCS_CmplFACH_NoPCH_Ts)( c_PowerOffsetInfoBelow64k)
        }
}
```

4.11 Change 10

Test case Variable	ca_2_FACH_BCCH_CCCH_InfoActNow
Reason for change	3. The TFS used for FACH3 is not as per the 34.108 section 6.1.34. The TFCS used is not as per the 34.108 section 6.1.3
Summary of change	 Replaced "c_FACH_BCCH_CCCH_TFS" with "c_FACH_TFS" for FACH3. Replaced "c_TFCS_CmplFACH_BCCH_CCCH_Tx" with "c_TFCS_CmplFACH_NoPCH_Tx"
Source of change	New change

Before:

```
cellid p_Cellid,
routinginfo physicalChannelIdentity: p_PhyChid,
ratType fdd,
trchConfigType nonDch : NULL,
configMessage (
activationTime activateNow: NULL,
ulconnectedTrCHList OMIT,
UITFCS OMIT,
diconnectedTrCHList{
{ trchid tsc_FACH1,
  dl_TransportChannelType fach,
 transportChannelinfo(c_FACH_BCCH_CCCH_TFS),
 { trchid tsc_FACH2,
  dl_TransportChannelType fach,
  transportChannelinfo c_FACH_TFS_PS) ),
dITFCS (_TFCS_CmpIFACH_BCCH_CCCH_Tx)(c_PowerOffsetInfoBelow64k)
```

4.12 Change 11

Test step ts_SS_DownloadSecurityKey		
Reason for change At row 12 check for cell state cell_FACH_3_SCCPCH_4_FACH_Cnfg1 cell_FACH_3_SCCPCH_4_FACH_Cnfg2		
Summary of change At row 12 added check for the above cell states.		
Source of change New change		

11	[NOT px_CipheringOnOff]	
11 12	[NOT px_CipheringOnOff] [(tov_TmpCellinfo.cellConfig = cell_FAC H_NoConn) OR (tov_TmpCellinfo.cellConfig = cell_FACH) OR (tov_TmpCellinfo.cellConfig = cell_FACH _NoDedicated) OR (tov_TmpCellinfo.cellConfig = cell_FACH _PS) OR (tov_TmpCellinfo.cellConfig = cell_FACH _BMC) OR (tov_TmpCellinfo.cellConfig = cell_FACH _BMC) OR (tov_TmpCellinfo.cellConfig = cell_FACH _BMC _NoConn) OR (tov_TmpCellinfo.cellConfig = cell_FACH _BMC _NoConn) OR	Cell FACH
	(tov_TmpCellInfo.cellConfig = cell_FACH _2_PRACH) OR (tov_TmpCellInfo.cellConfig = cell_FACH _2_SCCPCH_NoConn) OR	
	(tov_TmpCellInfo.cellConfig = cell_FACH _2_SCCPCH) OR (tov_TmpCellInfo.cellConfig = cell_FACH _2SCCPCH_StandAlonePCH_NoConn) OR	
	(tcv_TmpCellinfo.cellConfig = cell_FACH _2SCCPCH_StandAlonePCH) OR (tcv_TmpCellinfo.cellConfig = cell_FACH _2SCCPCH_StandAlonePCH_PS) OR	
	(tov_TmpCellInfo.cellConfig = cell_FACH) _3_SCCPCH_4_FACH_Cnfg1)	
13	+ It_DownloadKeyCRLC (1cv_HFN,OMIT p_IK)	

4.13 Change 12

Test step	ts_SendRB_SetUp_FACH_3SCCPCH_32k	
Reason for change	Radio Bearer Setup message sent is not correct.	

	2. In the Radio Bearer Setup message new CRNTI value of	
	'1010101010101010'B is sent. The same value needs to be updated in the SS.	
	No Need to Modify the cell for the mapping info.	
	At row 3 and 9 call to test step ts_CPHY_ActTime is not required.	
Summary of change	 Instead of "cs_RRC_RB_SetUp" use cbs_108_RB_SetUpFACH_PS. 	
	Created a new test step ts_CMAC_New_RNTI_Reconf_3SCCPCH and is called at row 4 and 9.	
	 Removed call to test step ts_SS_Modify3_SCCPCH_4_FACH_Cnfg1 and ts_SS_Modify3_SCCPCH_4_FACH_Cnfg2. 	
	. At row 3 and 9 call to test step ts_CPHY_ActTime is removed.	
Source of change	change	

```
+ ts_SetTmpCellinfo (p_Cellid)
       [tcv_CellCnfg = 1]
       + ts_CPHY_ActTime (p_Cellid, tsr_S_CCPCH3, 1)
3
        AM!RLC_AM_DATA_REQ
                                                               cas_RB_SetUpAM_WithCnf(
                                                               tsc_CellDedicated,
tsc_RB2,
                                                               OMIT
                                                               cs_RRC_RB_SetUp(
                                                                 tcv_CellIndinfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,
                                                                 OMIT,
                                                                 cell_FACH,
                                                                 OMIT.
                                                                c_RAB_infoListFACH_PS (
                                                                   c_ReEstTimerT314, p_RAB_ld, c_RLC_InfoAM_Def),
                                                                 c_UL_CommTrChinfo_AM0To1(c_PowerOffsetinfoBelow64k),
                                                                 c_UL_AddReconfTransChinfoListFACH_P8,
                                                                 c_DL_CommonTransChinfo_AM_0_4,
                                                                c_DL_AddReconfTransChInfoListFACH_PS_2SCCPCH_Cnfg1,
                                                                 c_DL_InformationPerRL_FACH(tcv_TmpCellInfo.priScrmCode),
                                                                OMIT.
                                                                OMIT,
                                                                OMIT
         +ts_SS_Modify3_SCCPCH_4_FACH_Crifg1 (tst_CellA)
5
         + ts_RRC_ReceiveRB_SetupCmpl (p_CellId , cell_FACH_3_
6
   TS
   P1 SCCPCH_4_FACH_Cnfg1)
         + ts_SetCellCfg (tsc_CellA, cell_FACH_3_SCCPCH_4_FAC
       H_Cnfg1)
8
       [tcv_CellCnfg = 2]
9
       +ts_CPHY_ActTime (p_Cellid, tsc_8_CCPCH2, 1)
10
        AM ! RLC_AM_DATA_REQ
                                                                cas_RB_SetUpAM_WithCnf(
                                                                tsr_CellDedicated,
                                                               tsc_R82,
                                                                OMIT,
                                                                cs_RRC_RB_SetUp(
                                                                 tcv_CellIndinfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,
                                                                 OMIT.
                                                                 cell_FACH,
                                                                 OMIT.
                                                                c_RAB_InfoListFACH_PS (
                                                                   c_ReEstTimerT314, p_RAB_ld, c_RLC_InfoAM_Def),
                                                                 c_UL_CommTrChinfo_AM0To1(c_PowerOffsetinfoBelow64k),
                                                                 c_UL_AddReconfTransChinfoListFACH_PS,
                                                                 c_DL_CommonTransChinfo_AM_0_4,
                                                                c_DL_AddReconfTransChInfoListFACH_PS_2SCCPCH_Cnfg2,
                                                                 c_DL_InformationPerRL_FACH(tcv_TmpCellinfo.priScrmCode),
                                                                OMIT,
                                                                OMIT,
                                                                OMIT
         +ts_SS_Modify3_SCCPCH_4_FACH_Crifg2(p_Cellid)
         + ts_RRC_ReceiveRB_SetupCmpl ( p_Cellid , cell_FACH_3_
12 TS
   P2 SCCPCH_4_FACH_Cnfg2)
13
         + ts_SetCellCfg (tsc_CellA, cell_FACH_3_SCCPCH_4_FAC
       H_Cnfg2)
```

	UI .		
1		+ ts_SefTmpCelInfo (p_Cellid)	
2		[tcv_CellCnfg = 1]	
3		AMTRLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, cbs_108_RB_SetUpFACH_PS (tsv_CellIndinfo.dl_integrityCheckinfo, tsv_RRC_Ti, p_RAB_id, tcv_TmpCellInfo.cRtNTI))
4		+ts_CMAC_New_RNTI_Reconf_3SCCPCH (FALSE, p_Cellid, tcv_TmpCellinfo.uRNTi.tcv_TmpCellinfo	
5	TS P1	+ts_RRC_ReceiveRB_SetupCmpl (p_Cellid , cell_FACH_3_ SCCPCH_4_FACH_Cmg1)	
6		+ ts_SetCellCfg (tsc_CellA, cell_FACH_3_SCCPCH_4_FAC H_Crifg1)	
7		[tcv_CellCnfg = 2]	
8		AMTRLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, cbs_108_RB_SetUpFACH_PB (trv_Cellindinfo.di_integrityCheckinfo, trv_RRC_Ti, p_RAB_id, tcv_TmpCellinfo.cRtvTi))
9		+ts_CMAC_New_RNTI_Reconf_3SCCPCH (FALSE, p_Cellid,	
		tcv_TmpCellinfo.uRNTLtcv_TmpCellinfo.cRtNTl)	
10	TS P2	+ ts_RRC_ReceiveRB_SetupCmpl (p_Cellid , cell_FACH_3_ BCCPCH_4_FACH_Cntg2)	
11		ts_SetCellCfg (tst_CellA, tell_FACH_3_SCCPCH_4_FACH_Crifg2)	

4.14 Change 13

Test step	ts_CMAC_New_RNTI_Reconf_3SCCPCH	
Reason for change 1. In the Radio Bearer Setup message new CRNTI value of '10101010101010101010101010101010101010		
Summary of change	1. Created a new test step ts_CMAC_New_RNTI_Reconf_3SCCPCH. This new test step is required as in this case in the DL, physical channel Id required is tsc_S_CCPCH2 or tsc_S_CCPCH_3 and also the transport channel Mapping information is different than the normal configuration.	
Source of change	New change	

Test St			Ti_Reconf_38CCPCH (p_urnti:BOOLEAN; p_Cellid : INTEGER; p_U_RINTI : U_I	RNTI; p_C_RNTI : BITSTRING)	
Test Step Group Ref. BasicM_SS_Configu Objective: Reconfigure MAC with					
			nen a new U_RNTI or C_RNTI is assigned to UE.		
U-RNTI and C-RNTI		U-RNTI and C-RNTI U-RNTI and C-RNTI	1 are not required on DPCH. 1 is necessary when DCCH/DTCH mapped on S-CCPCH. 1 is necessary when DCCH/DTCH mapped on PRACH.		
	Behavi	our Description	Constraint Ref	Comments	
1 2	+ ts_CRLC_	Cellinfo (p_Cellid) ReconfRLC_Size (p			
3	_umti)	Reconf (p_umti)			
_		umis: BOOLEAN)			
4	[p_umti]				
5	[(tov_TmpC	ellnfo.cellConfig = 8_SCCPCH_4_FACH			
6	CMACTOM	AC_Config_REQ	ca_CMAC_ReconfigInfoActNow(p_Cellid , tsc_S_CCPCH3, c_UE_info(p_U _RNTI, OMIT), c_TrChInfoFACH_BCCH_CCCH_DCCH_PS, c_TrLogMappin gFACH_BCCH_DCCH_CCCH_PS)	SS has valid U-RNTI, C-RNT is not valid	
7		AAC_Config_CNF	ta_CMAC_CfgCnf(p_Celld, fst_S_CCPCH3)		
8	[(tcv_TmpCellrfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH _Cnfg2)]				
9	CMACTOMAC_Config_REQ		<pre>ca_CMAC_ReconfiginfoActNow(p_Cellid, tsc_B_CCPCH2, c_UE_info(p_U _RNTI, OMIT), c_TrChinfoFACH_BCCH_CCCH_DCCH_SCCPCH2_PS, c_T rLogMappingFACH_BCCH_DCCH_CCCH_BCCPCH2_PS)</pre>	SS has valid U-RNTI, C-RNT is not valid	
10	0 CMAC ? CMAC_Config_CNF		ca_CMAC_CfgCnf(p_Celld, tsc_S_CCPCH2)		
11	[NOT p_umti]				
12	[(txy_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH _Cnfg1)]				
13	CMACICMAC_Config_REQ		ca_CMAC_ReconfiginfoActNow (p_Cellid , 1sc_PRACH1, c_UE_Info (OMIT, p_C_RNTI), cb_TrChinfoRACH1, c_TrLogMappingRACH_DTCH)	SS has valid C-RNTI, U-RNTI is not valid Only C-RNTI is required on P RACH	
14	CMAC ? CN	AC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid,tsc_PRACH1)		
15	CMACICMAC_Config_REQ		ca_CMAC_ReconfiginfoActNow (p_Cellid , tsc_8_CCPCH3, c_UE_info(OM IT, p_C_RNTI), c_TrChinfoFACH_BCCH_CCCH_DCCH_PS, c_TrLogMappi ngFACH_BCCH_DCCH_CCCH_P8)		
16	CMAC ? C	MAC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, tsc_S_CCPCH3)		
17	[(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH Cnfig2)]				
18		AC_Config_REQ	ca_CMAC_ReconfiginfoActNow (p_Cellid , tsc_PRACH1, c_UE_Info (OMIT, p_C_RNTI), cb_TrChinfoRACH1, c_TrLogMappingRACH_DTCH)	SS has valid C-RNTI, U-RNT is not valid Only C-RNTI is required on P RACH	
19		AC_Config_CNF	ca_CMAC_CfgCnf (p_Cellid , tsc_PRACH1)		
20	0 CMAC!CMAC_Config_REQ		ca_CMAC_ReconfiginfoActNow (p_Cellid , tsc_S_CCPCH2, c_UE_info(0M IT, p_C_RNTI), c_TrChinfoFACH_BCCH_CCCH_DCCH_SCCPCH2_PS, c_ TrLogMappingFACH_BCCH_DCCH_CCCH_SCCPCH2_PS)		
21	CMAC ? C	MAC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, fst_S_CCPCH2)		
22	[TRUE]				

4.15 Change 14

Test step	ts_SS_Rel		
Reason for change At row 106 cell ID used for the release of tsc_RB29 should be CellId_A instac_CellDedicated Summary of change At row 106 cell ID used for the release of tsc_RB29 should be CellId_A instac_CellDedicated At row 106 cell ID used for the release of tsc_RB29 should be CellId_A instac_CellDedicated At row 106 cell ID used for the release of tsc_RB29 should be CellId_A instac_CellDedicated			
		Source of change	New change

102	[(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1_NoConn) OR
	(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig1) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig2_NoConn) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfig2)]
103	+ It_ReISRB1_4
104	+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB20)
105	+ts_CRLC_Rel (tsr_CellDedicated, tsr_R822)
108	+ts_CRLC_Ret(sc_CellDedicated) tsc_RB29)
107	+ts CRLC Rel(p Cellid, tsc RB BCCH FACH)

102	[(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1_NoConn) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1) OR (tcv_TmpCellinfo .cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg2_NoConn) OR (tcv_TmpCellinfo.cellCon fig = cell_FACH_3_SCCPCH_4_FACH_Cnfg2)]	
103	+ It_RelSRB1_4	
104	+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB20)	
105	+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB22)	
106	+ ts_CRLC_Rel (p_Cellid,) 1sc_RB29)	
107	+ ts_CRLC_Rel (p_Cellid, tsc_RB_BCCH_FACH)	

Branches executed in test case 14.4.2.2

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

5 Execution Log Files

5.1 Nokia 7600

The Nokia 7600 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]:

5.2 Motorola A835

The Motorola A835 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]:

6 References

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

CHANGE REQUEST				
♯ TS 3	4.123-3 CR 386 #rev - #	Current version: 3.6.1		
For <u>HELP</u> on us	sing this form, see bottom of this page or look at the	e pop-up text over the ₩ symbols.		
Proposed change a	nffects: UICC apps ■ ME Radio Ac	ccess Network Core Network		
Title: ∺	Addition of RAB Package 2 test case 14.4.2.3 to RA	AB ATS V3.6.1		
Source: #	Anite			
Work item code: ∺	N/A	Date: 第 13/08/04		
	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.	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
Summary of chang	V3.6.1 E: This document lists all changes applied to test approval. See detailed change description for further info	·		
Consequences if not approved:	₩ Test case will not be added to ATS			
Clauses affected:				
Other specs affected:	Y N			
Other comments:	x			

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- just in front of the clause containing the first piece of changed text. which are not relevant to the change request.	-A to select it) into the specification Delete those parts of the specification

3GPP TSG-T1 E-Mail 2004

T1s040464

01 Jan - 31 Dec 2004

Title: Changes to test case 14.4.2.3 required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.4.2.3, 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.

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3 Verification Test Summary

Test Case: tc_14_4_2_3

Test Group: RAB/CombinationsOnSCCPCH

ATS Version: iWD-TVB2003-03_D04wk31 + essential modifications

System Simulator used: Anite 3G U-SAT

UE used: Nokia 7600, Motorola A835

Verification Status: PASS

4 Corrections required for test case 14.4.2.3

4.1 Introduction

This section describes the changes required to make test case 14.4.2.3 run correctly with a 3G UE. The ATS version used as basis was RAB_wk31.mp, which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Change 1

Tool ston	L OIDS D (COCODOLL)
Test step	cb_SIB5_Def_3SCCPCH_1
Reason for change	As per 34.108 section 6.1.2 default content for SIB5: a) Sib6indicator is set to TRUE. In the TTCN it is set to FASLE b) pich_PowerOffset and aich_PowerOffset should be -5.(This is as per T1-24 Approved CR T1-041253) c) Power offset Pp-m should be set 0. d) Gain factor ßc should be set to 11. e) AICH transmission timing should be set 0. f) The TFCS complete reconfiguration information should contain 0,1,2 as a part of CTFC information. In the TTCN implementation CTFC 3, 4 and 5 is also used. g) TFS for FACH transport channel ID 2 used in TTCN is not correct. h) Ctch_indicator should be TRUE. i) Cbs_DRX_ Level1Information should be present.
Summary of change	Following changes are done in the constraint to be as per 34.108: a) Changed sib6indicator from FALSE to TRUE b) Updated values of pich_PowerOffset and aich_PowerOffset. c) Changed the value of Power offset Pp-m from –5 to 0. d) Changed the value of Gain factor ßc from 10 to 11. e) Changed the value of AICH transmission timing from e1 to e0. f) Removed CTFC 3, 4 and 5 from the TFCS complete reconfiguration information. g) Replaced "c_FACH_TFS_PS_UE" with "c_FACH_TFS_UE_2ndSCCPCH" for FACH transport Channel ID 2. h) Changed ctch_indicator to TRUE i) Added cbs_DRX_Level1Information.
Source of change	New change

```
(sibSindicator FALSE)
pich_PowerOffset( p_Cellinfo.powerPICH - p_Cellinfo.powerpCPICH ))
modeSpecificInfo fdg : (
aich_PowerOffset( p_Cellinfo.powerAICH - p_Cellinfo.powerpCPICH )
),
```

```
aich_Info (
channelisationCode256 tsc_AlCH1_ChC,
sttd_Indicator FALSE,
(aich_TransmissionTiming e1)
}
```

```
fics normalTFCL_Signalling : complete: {ctfcASize ctfcABit : {
    {ctfc4 0 }, {ctfc4 1 }, {ctfc4 2 }, {ctfc4 3 }, {ctfc4 4 }, {ctfc4 5 }
},

fach_PCH_InformationList {
    {
        transportFormatSet commonTransChTFS : c_FACH_TFB_UE_2ndSCCPCH,
        transportChannelidentity tsc_FACH1, -- FACH
        ctch_Indicator FALSE
    }
    {
        transportFormatSet commonTransChTFS (c_FACH_TFS_PS_UE)
        transportChannelidentity tsc_FACH2, -- FACH
        ctch_Indicator FALSE
    }
}

IL
(tbs_DRX_Level1Information OMIT)
nonCriticalEidensions OMIT - @sic ER 1497 sic@
}
```

```
(
sib6indicator TRUE)
pich_PowerOffset[p_CellInfo.powerPICH]
modeSpecificInfo rdd : (
aich_PowerOffset[p_CellInfo.powerAICH]
},
```

```
aich_Info {
     channelisationCode256 tst_AICH1_ChC,
     sttd_Indicator FALSE,
    (aich_TransmissionTiming e0)
  tfcs normalTFCI_Signalling : complete: (ctfcSize ctfc2Bit : {
{ctfc2 0 }, (ctfc2 1 }, {ctfc2 2 }
  fach_PCH_InformationList(
    transportFormatSet.commonTransChTFS:c_FACH_TFS_UE_2ndSCCPCH,
    transportChannelIdentity tsc_FACH1, -- FACH
    ctch_Indicator FALSE
   transportFormatSet commonTransChTFS:(c_FACH_TFS_UE_2ndSCCPCH)
transportChannelIdentity:tsc_FACH2, -- FACH
ctch_Indicator TRUE
  )
II.
cbs_DRX_Level1Information
 ctch_AllocationPeriod 2,
 cbs_FrameOffset 0
nonCriticalExtensions OMIT -- @sic ER 1497 sic@
```

4.3 Change 2

Test step	cb_SIB6_Def_3SCCPCH			
Reason for change	As per 34.108 section 6.1.2 default content for SIB5:			
	 a) pich_PowerOffset and aich_PowerOffset should be -5. (This is as per T1- 24 Approved CR T1-041253) 			
	b) prach_SystemInformationList should be OMIT.			
	c) The TFCS complete reconfiguration information should contain 0,1,2,3,4 as a part of CTFC information. In the TTCN implementation CTFC 5 is also used.			
	d) TFS for FACH transport channel ID 3 used in TTCN is not correct.			
Summary of change	Following changes are done in the constraint to be as per 34.108:			
	 a) Updated values of pich_PowerOffset and aich_PowerOffset. 			
	b) Changed prach_SystemInformationList to OMIT.			
	 Removed CTFC 5 from the TFCS complete reconfiguration information. 			
	d) Replaced "c_FACH_TFS_UE_2ndSCCPCH" with "c_FACH_TFS_UE" for FACH transport Channel ID 3.			
Source of change	New change			

```
pich_PowerOffset([p_Cellinfo.powerPICH - p_Cellinfo.powerpCPICH))
modeSpecificInfo fdd : {
 aich_PowerOffset(p_CellInfo.powerAICH - p_CellInfo.powerpCPICH)
primaryCCPCH_Info OMIT,
prach_SysteminformationList {{
 prach_RACH_info {
  modeSpecificInfo fdd:{
   availableSignatures tsc_PRACH1_Signatures,
   availableSF tsc_PRACH1_SF,
   preambleScramblingCodeWordNumbertsc_PRACH1_StrC,
   puncturingLimit pl1.
   transportChannelldentity tsc_RACH1,
  rach_TransportFormatSet commonTransChTFS: c_RACH_TFS_UE,
 rach_TFCS normalTFCI_Signalling : complete : (
  ctfcSize ctfc2Bit: ({
    ctfc2 0.
    powerOffsetInformation { gainFactorInformation computedGainFactors : 0,
     powerOffsetPp_m -5
   { ctfc21,
    powerOffsetInformation {
      gainFactorInformation signalledGainFactors:{
      modeSpecificInfo fdd : {
       gainFactorBetaC 10
      gainFactorBetaD 15,
      referenceTFC_ID 0 ),
      powerOffsetPp_m -5
  1),
  prach_Partitioning fdd : ((
    accessServiceClass_FDD OMIT
```

```
assignedSubChannelNumber 1111'8
persistenceScalingFactorList { psf0_9, psf0_9, psf0_9, psf0_9, psf0_9, psf0_9, psf0_9 },
modeSpecificInfo fdd : {
primaryCPICH_TX_Power 31,
 constantValue -10,
 prach_PowerOffset(
 powerRampStep 3, -- db
  preambleRetransMax 4
 rach_TransmissionParameters (
 mmax 2,
  nb01Min 3,
 nb01Max 10
 aich_Info (
 channelisationCode256 tsc_AICH1_ChC,
  sttd_Indicator FALSE,
  aich_TransmissionTiming e1
```

```
pich_PowerOffset(p_Cellinfa.powerPICH)
modeSpecificInfo fdd : (
aich_PowerOffset@_CellInfo.powerAJCH
primaryCCPCH_Info OMIT,
prach_SysteminformationList OMIT,)
sCCPCH_SystemInformationList (
  secondaryCCPCH_Info (
  modeSpecificInfo fdd : {
   dummy1 mayBeUsed, -- mandatory ie
    secondaryScramblingCode OMIT,
    sttd_Indicator FALSE,
    sf_AndCodeNumbertsc_S_CCPCH1_ChC,
    pilotSymbolExistence FALSE,
    tfci_Existence TRUE,
    positionFixedOrFlexible flexible,
    timingOffset 90
  tfcs normalTFCI_Signalling : complete: {ctfcSize ctfc4Bit : {
   {ctfc4 0 ), {ctfc4 1 ), {ctfc4 2 ), {ctfc4 3 ), {ctfc4 4}
  10.
  fach_PCH_InformationList(
    transportFormatSet.commonTransChTFS: E_FACH_TFS_UB
    transportChannelIdentity tsc_FACH3, -- FACH
    ctch_Indicator FALSE
    transportFormatSet.commonTransChTFS:c_FACH_TFS_PS_UE,
    transportChannelIdentity tsc_FACH4, -- FACH
    ctch_Indicator FALSE
```

4.4 Change 3

Test step name	tc_14_4_2_3
Reason for change	According to 3GPP TS 34.123-1 RAB created should be of Interactive or Background type. In the current TTCN implementation only Interactive type is
	created. 2. Test Step ts_RB_InitTest_3SCCPCH_CTCH always create Interactive type RAB. 3. The CRNTI used in Radio Bearer Setup message sent from Test Step ts_SendRB_SetUp_FACH_3SCCPCH_32k_1 is not as per 34.108 default content
	for Radio Bearer Setup Message. 4. The TFC list (c_TFC_Allowed_0_3) used for DL SS restriction is wrong. 5. In the TTCN, tcv_CN_Domain is assigned based on the PIXIT
	px_CN_DomainTested in the test step ts_AssignCN_Domain. As this test case configures PS RAB, tcv_CN_Domain should be assigned to ps_domain independent of PIXIT px_CN_DomainTested.
Summary of change	Added local trees It_Interactive and It_Background to create Interactive and Background type RAB based on the pc_Interactive and pc_Background.

	 Test step ts_RB_InitTest_3SCCPCH_CTCH is parameterised to take PagingCause and EstablishmentCause as an input parameter in order to create Interactive and Background RAB. The correct parameters are passed from It_Interactive and It_Background. Updated the value of Cell CRNTI with tsc_New_CRNTI2 ('101010101010101010'B), which will be used while sending the Radio Bearer Setup message to the Mobile in localtree It_Interactive and It_Background. In It_Interactive added test steps ts_RRC_ConnRel and ts_GMM_DetachOnSwitchOff to handle Detach from the UE during power off after execution for Interactive RAB. Changed the TFC list to c_TFC_Allowed_0_1_3 to be used for DL SS restriction. At row 3 of the TTCN, instead of using test step ts_AssignCN_Domain, tcv_CN_Domain is assigned to ps_domain.
Source of change	New change

Before:

1	START t_Guard(300)	
2	*ts_Init/ariables	
3	+ts_AssignCN_Domain	Sets domain for testing
4	+ts_R8_InitTest_38CCPCH_CTCH	
5	*ts_SendRB_SelUp_FACH_3SCCPCH_32k_1(tsc_CellA,tsc_RAB_DefPS,tcv_ActTime)	
6	+ ts_SetCellCfg (tsc_CellA, cell_FACH_3_SCCPCH_3_FACH_CTCH)	
7	+ ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1,	
	[c_TFC_Allowed_0_3; c_UE_TestLoopMode1_LB_Setup (312, tsc_RB20), 312)	
8 TBE1	(tcv_TestBody := FALSE)	
9	+ ts_TC_DeactivateRB_TestMode (tsc_CellA)	Steps 20-21
10	+ po_ConnectionAndSB_Rel (tsc_CellA)	

After:

1	START t_Guard(300)	
2	+fs_inif/ariables	
3	(tcv_CN_Domain := ps_domain)	Sets domain for testing
4	+It_interactive	
5	+it Background	
It_Interacti	ve	
6	[pc_Interactive]	
7	+ts_RB_InitTest_3SCCPCH_CTCH(terminatingInteractiveCall,terminatingInteractiveCall)	
8	(tcv_CellinfoA.cRNTl := tsc_New_CRNTl2)	
9	+ts_SendRB_SetUp_FACH_3SCCPCH_32k_1(tsc_CellAtsc_RAB_DetPS,tcv_AcfTime)	
10	+ ts_SetCellCfg (tsc_CellA, cell_FACH_3_SCCPCH_3_FACH_CTCH)	
11	+ ts_RB_SubTest_RB20_FACH(1sc_RB_TestData_3024, c_TFC_Allowed_0_1,	
40 TOE4	(c_TFC_Allowed_0_1_3, c_UE_TestLoopMode1_LB_Setup (312, tsc_RB20), 312)	
12 TBE1	(tov_TestBody = FALSE)	Otono 20 24
	+ts_TC_DeactivateRB_TestMode (tsc_CellA)	Steps 20-21
14	+ts_RRC_ConnRel (tsc_CellA , cell_Fach_Dcch)	
	+ts_GMM_DetachOnSwitchOff(tsc_CellA)	
16	+ po_ConnectionAndSS_Rel (tsc_CellA)	
	[TRUE]	
It_Backgro		
18	[pc_Background]	
19	+ts_RB_InifTest_3SCCPCH_CTCH(terminatingBackgroundCall,terminatingBackgroundCall)	
20	(lcv_CellinfoA.cRNTl := lsc_New_CRNTl2)	
21	+ts_SendRB_SetUp_FACH_3SCCPCH_32k_1(fsc_CellA,tsc_RAB_DefPS,tcv_ActTime)	
22	+ts_SetCellCfg (tsc_CellA, cell_FACH_3_SCCPCH_3_FACH_CTCH)	
23	+ ts_RB_SubTest_RB20_FACH(tsc_RB_TestData_3024, c_TFC_Allowed_0_1,	
	(c_TFC_Allowed_0_1_3, c_UE_TestLoopMode1_LB_Setup (312, tsc_RB20), 312)	
24 TBE1	(tcv_TestBody = FALSE)	01 00 04
26	+ ts_TC_DeactivateRB_TestMode (tsc_CellA)	Steps 20-21
26	+ po_ConnectionAndSS_Rel (1sc_CellA)	
27	[TRUE]	

4.5 Change 4

Test step ts_RB_InitTest_3SCCPCH_CTCH	
Reason for change	Test Step ts_RB_InitTest_3SCCPCH_CTCH always create Interactive type RAB. The state of the
	 Test Step ts_SendSysInfoWithSpecialSIB5_And6 sends the paging Message to the UE at the end. This is not required during the creation of cell.

Summary of change	 Test step ts_RB_InitTest_3SCCPCH_CTCH is parameterised to take PagingCause and EstablishmentCause as an input parameter and the same are passed to test step ts_RRC_PagType1_P_TMSI_Cause and ts_RRC_ConnEst as input parameter.
	 Created a new test step ts_SendSysInfoWithSpecialSIB5_And6_3CCPCH, similar to ts_SendSysInfoWithSpecialSIB5_And6, which does not the sends the paging Message to the UE. This test step is sued at row 3.
Source of change	New change

Before:

-	IUI C	•					
Te	st Step	ld:	(s_RB_InitTest_3SCCPCH_CTCH)				
Te	st Step	Group Ref:	RB_Steps/initialization/				
Objective:			To setup the environement for PS test cases				
De	faults:		RRC_Deft				
Comments:		its:	@SIC_NAPP				
	L		Behaviour Description	Constraint Ref		Comments	
1		+ts_88_C	reateCell3_SCCPCH_3_FACH_CTCH (tsc_CellA)			Configuration has to be changed	
2		+ ts_SefTr	mpCellinfo (tsc_CellA.)			Fetch record corresponding to current ell	
3		-	SysImfoWithSpecialSiB5_And6ttsr_CellA.cb_SiB5_Def_ _1(ftrv_TmpCellinfo),cb_SiB6_Def_3SCCPCH(tcv_Tmp				
4 + ts_idleUpdated (tsc_CellA)							
5	TBS	(tov_Tes	dBody=TRUE)				
6			C_PagType1_P_TMSI_Cause (tsc_CellA, px_PTMSI_D tinginteractiveCat)				
7			RC_ConnEst (tsc_CellA, est_MT, pinteractiveCall))			Steps 2-5	
8			RC_Dataind = RRC_Dataind.start)	car_PS_initDirectTransfer (tsc _CellDedicated, tsc_RB3, cr_S erviceRequest(c_ServiceType_ v('010'8), c_MobileIdPTMSI_W(t cv_AssignedPTMS(), ?))		Step 6	

After:

Te:	st Ste	p ld:	ts_RB_initTest_3BCCPCH_CTCH(p_PagingCause:	PagingCause ; p_Establishmen	tCa	use :EstablishmentCause)
Tes	st Ste	p Group Ref:	RB_Steps/Initialization/			
Objective:		BC .	To setup the environement for PS test cases			
Defaults:			RRC_Def1			
Co	mme	nts:	@SIC_NAPP			
	***		Behaviour Description	Constraint Ref	***	Comments
1		+ts_SS_Cre	ateCell3_SCCPCH_3_FACH_CTCH (tsc_CellA)			Configuration has to be changed
2		+ ts_SetTm	pCellinfo (tsc_CellA)			Fetch record corresponding to current ce
3			ysinfoWithSpecialSIB5_And6_3SCCPCHitsc_CellA,c _3SCCPCH_1(tcv_TmpCellInfo),cb_SIB6_Def_3SCC ipCellInfo))			
4		+ ts_ldleUp	pdated (tsc_CellA)			
5	TBS	(tcv_TestE	Body:=TRUE)			
6		+ts_RRC et(p_Paging	_PagType1_P_TMSI_Cause (tsc_CellA, px_PTMSI_D Cause)			
7			C_ConnEst (tsc_CellA, est_MT, mentCause))			Steps 2-5
8			C_Dataind RRC_Dataind.start)	car_PS_initDirectTransfer (tsc _CellDedicated, tsc_RB3, cr_S enriceRequest(c_ServiceType_ v(010'B), c_MobileIdPTMSI_lx(tcv_AssignedPTMSI),?))		Step 6

New Test Step:

	: Step		ts_SendBysInfoWithSpecialSIB5_And6_3BCCPCH (p_C	ellid: INTEGER; p_SIB5:	SysinfoTy	ype5; p_SIB6: SysInfoType6)
Test	Step	Group Ref.	L3M_SysInfoHandling/Default/			
Obje	ctive		To broadcast default system information except the conte	nts of SIB5 and SIB6 are:	specified	by the caller
Defa	iults:		InitOtherwiseFail			
Con	nmen	its:	@SIC_NAPP			
			Behaviour Description	Constraint Ref		Comments
1		• ts_SetTm;	pCellinfo (p_Cellid)			
2		+ts_UTRAN	L_GERAN_Parainit(p_Cellid)			
3		+ts_Initializ	reSIB2AndSIB18(tcv_TmpCellInfo)			
4		+ ts_Initial	izeSiB11_SiB12 (p_Cellid)			
5		[px_RAT =	fdd]			
6		+ts_Send	tNoSegDefSchedul(p_Cellid)			
7		+ts_Sen ow)	dSIB1 (cb_SIB1_Deff)cv_TmpCellinfo), p_Cellid, tsc_N			
8		+ts_Cel	DependentPara(p_Cellid)			
9		+ts_SendSiB2(tcv_SiB2,p_Cellid,tsc_Now)				
10		+ts_Se	ndSIB3(tcv_SIB3, p_Cellid, tsc_Now)			
11		+ts_8e	endSIB4(tcv_SIB4, p_CellId, tsc_Naw)			
12		+ts_S	endSiB5(p_SiB5, p_Cellid, tsc_Now)			
13		+ts_5	SendSIB6(p_SIB6, p_Cellid, tsc_Now)			
14		+ts_1	SendSIB7(c_SIB7_Def, p_Cellid, tsc_Now)			
15		*ts_	SendSIB11(txv_SIB11, p_Cellid, tsc_Now)			
16		+ts,	SendSiB12(trv_SiB12, p_Cellid, tsc_Now)			
17		+bs	_SendSIB18(tcv_SIB18 , p_Cellid, tsc_Now)			
18		*ts	s_SendSB1_DefSchedui(trv_SB1, p_Cellid, tsc_Now)			
19		+1	s_SendMIB(tcv_MIB, p_Cellid, tsc_Now)			
20	ER R1	[px_RAT=	ttdj		1	
21	ER R2	[TRUE]			1	

4.6 Change 5

Test step	ts_SS_FirstSCCPCH_PCH_PCCH_Cfg				
Reason for change	 As per 34.108 section 6.1.3, the slot format used for SCCPCH carrying PCH should be 4. In the TTCN used value is 8. 				
	2. As per 34.123-3 section 8.3.25 RB used for PCCH should be tsc_RB_PCCH. However at row 7 in the constraint "c_TrLogMappingPCH2" uses tsc_RB_PCCH2.				
Summary of change	At row 3 changed slot format from "tcv_TmpCellInfo.slotFormatsCCPCH1" to "4".				
	 Created a new Constraint c_TrLogMappingPCH_NoFACH in which RB ID used for PCCH is set as tsc_RB_PCCH and same is used at row 7 				
Source of change	New change				

Before:

CIOI	-		
1	+ ts_SefTmpCellinfo (p_Cellid)		
2	[px_RAT = fdd]		
3	CPHYICPHY_RL_Setup_REQ	ca_sccPcH_infoPcH_RAB_StandAlone (p _Cellid, tsc_S_ccPcH1, tsc_S_ccPcH_2n dStrCode, (try_TmpCellinfo.slotFormatsCcPcH1), (tcy_ TmpCellinfo.powersCcPcH1))	s-CCPCH2
4	CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH1)	
5	CPHYICPHY_TrCH_Config_REQ	ca_PCH_Info2 (p_Cellid, tsc_8_CCPCH1)	connect PCH and FACH to s-CCPCH1
6	CPHY ? CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_Cellid, tsc_S_CCPCH1)	
7	CMAC I CMAC_Config_REQ	ca_CMAC_Cfginfo (p_Ceillid, tsc_B_CCPCH 1, c_UE_info (OMIT, OMIT), c_TrCHinfoPCH, (c_TrLogMappingPCH2)	map PCCH to PCH,
8	CMAC 7 CMAC_Config_CNF	ca_CMAC_CfgCnt(p_Cellid, tsc_8_CCPCH 1)	

After:

1	* ts_SetTmpCellinfo (p_Cellid)		
2	[px_RAT = fdd]		
3	CPH11CPHY_RL_Setup_REQ	ca_sCCPCH_infoPCH_RAB_StandAlone (p _Cellid, tsc_8_CCPCH1, tsc_8_CCPCH_2n dStrCode, (4)(tcv_TmpCellinfo.powersCCPCH1))	s-CCPCH2
4	CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH1)	
5	CPHYICPHY_TrCH_Config_REQ	ca_PCH_info2 (p_Cellid, tsc_S_CCPCH1)	connect PCH and FACH to s-CCPCH1
6	CPHY ? CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_Cellid, tsc_S_CCPCH1)	
7	CMAC CMAC_Config_REQ	ca_CMAC_Cfgirfo (p_Cellid, tsc_S_CCPCH 1_c_UE_info (OMIT, OMIT), c_TrCHInfoPCH, (c_TrLogMappingPCH_NoFACH)	map PCCH to PCH,
8	CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCrrf(p_Celld, tsc_S_CCPCH 1)	

New Constraint:

```
Constraint Name: c_TrLogMappingPCH_NoFACH

Group:
Type Name: TrCH_LogCHMappingList1

Derivation Path:
Encoding Variation:
Comments: @SIC_NAPP
For FDD mode only, map PCCH to PCH
Used for the configuration cell_FACH_2SCCPCH_StandNonePCH.
```

4.7 Change 6

Test step	ts_SS_CreateCell3_SCCPCH_3_FACH_CTCH,ts_SS_2FACH_CCCH_BCCH_DCCH_DTC H_SCCPCH3_CTCH_Cfg	
Reason for change	 At row 5 ts_SS_2FACH_CCCH_BCCH_DCCH_DTCH_SCCPCH3_Cfg test step is sued to configure 3rd SCCPCH. As per 34.108 section 6.1.2 timing offset for 3 SCCPCH should be 90 and channelization code should be sf64:1. In the TTCN it is set as 0 and sf64:2. 	
	At row 8 ts_SS_RB_2ndPCCH_Cfg is used which configures tsc_RB_PCCH2 for PCCH.	
Summary of change	Created a new test step ts_SS_2FACH_CCCH_BCCH_DCCH_DTCH_SCCPCH3_CTCH_Cfg which is similar to ts_SS_2FACH_CCCH_BCCH_DCCH_DTCH_SCCPCH3_Cfg except for the Channelization Code and timing offset of sf64:1 and 90. The new test step is required as ts_SS_2FACH_CCCH_BCCH_DCCH_DTCH_SCCPCH3_Cfg is used for test case 14.4.2.2. 2. At row 8 instead of "ts_SS_RB_2ndPCCH_Cfg" call "ts_SS_RB_PCCH_Cfg"	
	2. Action of instead of is_55_Nb_zindFCCH_Cig Call is_55_Nb_FCCH_Cig	
Source of change	New change	

5	+ts_SS_2FACH_CCCH_BCCH_CTCH_Cfg(p_Cellid)
5	(+ts_88_2FACH_CCCH_BCCH_DCCH_DTCH_8CCPCH3_Ctg(p_Cellid))
6	+ts_SS_RACH_CCCH_DCCH_DTCH_Cfg (p_Cellid)
7	+ts_SS_RB_BCCH_BCH_Ctg(p_Cellid)
8	Hts_SS_RB_2ndPCCH_Cfg(p_Cellid)
9	+ts_SS_RB0_Cfg(p_Cellid)

4	*ts_SS_2FACH_CCCH_BCCH_CTCH_Cfg(p_Cellid)
5	(+ts_88_2FACH_CCCH_BCCH_DTCH_BCCPCH3_CTCH_Ctg(p_Cellid)
6	+ts_SS_RACH_CCCH_DCCH_DTCH_Cfg (p_Cellid)
7	*ts_SS_RB_BCCH_BCH_Cfg(p_Cellid)
8	+ts_B8_RB_PCCH_Cfg(p_Cellid)
9	+ts SS RB0 Cfg(p Cellid)

New test Step:

Te:	st Step Id	ts_88_2FACH_CCCH_BC	CH_DCCH_DTCH_BCCPCH3_CTCH_Cfg (p_Cellid : IN	(TE	GER)
Te	st Step G	roup Ref. RB_Steps/Initialization/			
Objective: To configure a secondary CC		To configure a secondary C	CPCH (tsc_S_CCPCH3), then connect 2 FACH's to the	800	ondary CCPCH.
		Finally to map CCCH,DCC	H1,DCCH2,DCCH3,DCCH4, BCCH(for BCCH_FACH) to) FA	CH1 and DTCH to FACH2.
De	faults:	SS_Def			
Ċа	mments	@SIC_NAPP			
			_B_CCPCH2) for FACH. CCCH,DCCH1, DCCH2,DCCH	13,D	CCH4,BCCH (for BCCH_FACH) mapping to
		FACH1, and DTCH to FACH	2.		
	Label	Behaviour Description	Constraint Ref		Comments
1		+ ts_SetTmpCellinfa (p_Cellid)			
2		[px_RAT = fdd]			
3		CPHYICPHY_RL_Setup_REQ	ca_sCCPCH_info (p_Cellid, tsc_S_CCPCH3, tsc_ S_CCPCH_2ndScrCode, tsc_S_CCPCH1_ChC, tcv _TmpCellinfo.slotFormatsCCPCH1, (tcv_TmpCellinf o.powersCCPCH1), 90)		s-CCPCH1
4		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_B_CCPCH3)		
5		CPHYICPHY_TrCH_Config_REQ	ca_2_FACH_BCCH_DCCH_CCCH_DTCH_infoActN ow (p_Cellid, tsc_S_CCPCH3)		connect FACH3 and 4to s-CCPCH3
6		CPHY?CPHY_TrCH_Config_CNf	ca_TrChCfgCnf (p_Cellid, tsc_S_CCPCH3)		
7		CMACICMAC_Config_REQ	ca_CMAC_CfgInfo (p_Cellid, tsc_S_CCPCH3, c_U E_Info (tcv_TmpCellinfo.uRNTI, tcv_TmpCellinfo.cR NTI), c_TrChinfoFACH_BCCH_CCCH_DCCH_PS, c_TrLo gMappingFACH_BCCH_DCCH_CCCH_PS)		map CCCH, BCCH, DTCH C-RNTI and U- RNTI are required.
8		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, tsc_8_CCPCH3)		
9	ERR1	[px_RAT = tdd]		1	
4.75	ERR2	[TRUE]			

4.8 Change 7

Test step	ts_SS_2FACH_CCCH_BCCH_CTCH_Cfg		
Reason for change	 As per 34.108 section 6.1.2 for 2nd SCCPCH channelization code should be sf128:5 and slot format should be 6. In the TTCN during local end configuration it is set as sf64:1 and 8. In this case the 2nd SCCPCH is carrying FACH only. In the TTCN PICH is also configured for this SCCPCH. This is not required. 		
Summary of change	At row 3 on the test step replaced "tsc_S_CCPCH2_DL_ChC" with "sf128:5" and "tcv_TmpCellInfo.slotFormatsCCPCH1" with "8". Removed row 9 and 10 remove the PICH configuration.		
Source of change New change			

1		+ ts_SetTmpCellinfo (p_Cellid)			
2		[px_RAT = fdd]			
3		CPHYICPHY_RL_Setup_REQ	Ea_sCCPCH_Info (p_Cellid, tsc_S_CCPCH2, tsc_S _CCPCH_2ndScrCode(tsc_S_CCPCH2_DL_ChC) (tcv_TmpCellinfo.slofFormatsCCPCH1) (tcv_TmpCell Info.powersCCPCH1), tcv_TmpCellinfo.timingsCCP CH1)		s-CCPCH1
4		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf(p_Cellid, tsc_S_CCPCH2)		
5		CPHYICPHY_TrCH_Config_REQ	ca_FACH_Info_BMC_ActNow (p_Cellid, tsc_S_CCPC H2)		connect FACH1 and FACH2 to s-CCPCH 2
6		CPHY ? CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_Cellid, tsc_S_CCPCH2)		
7		CMAC CMAC_Config_REQ	ca_CMAC_CfgInfo (p_Cellid, tsc_S_CCPCH2, c_UE _info(tcv_TmpCellinfo.uRNTi, tcv_TmpCellinfo.cRNT I), c_TrChinfo_FACH_BMC, c_TrLogMapping_FACH _BMC)		map CCCH, BCCH, to FACH1 and CTC Ht o FACH2
8		CMAC 7 CMAC Config CNF	ca CMAC CfqCnf(p Cellid, tsc S CCPCH2)		
9		CPHYICPHY_RL_Setup_REQ	ca_PICH_info2(p_Cellid, c_Pichinfo, (icv_TmpCellinf o.powerPICH), 2)		PICH Fortsc_S_CCPCH is at index 2, thats why value 2 is passed.
10		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_Cellid, tsc_PICH2)		
11	ERR1	[px_RAT = tdd]		I	
12	ERR2	[TRUE]		1	

1		+ ts_SetTmpCellinfo (p_Cellid)		
2		[px_RAT = fdd]		
3		CPHYICPHY_RL_Setup_REQ	ca_sCCPCH_info(p_Cellid_tsc_S_CCPCH2, tsc_ S_CCPCH_2ndScrCode_sf128.5, 6)@cv_TmpCellin fo.powersCCPCH1), tcv_TmpCellinfo.timingsCCPC H1)	s-CCPCH1
4		CPHY?CPHY_RL_Setup_CNF	ca_Rt_SetupCnf(p_Cellid, tsc_S_CCPCH2)	
5		CPHYICPHY_TrCH_Config_REQ	ca_FACH_info_BMC_ActNow (p_Cellid, tsc_S_CCP CH2)	connect FACH1 and FACH2 to s-CCPCH2
6		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_Cellid, tsc_8_CCPCH2)	
7		CMAC!CMAC_Config_REQ	ca_CMAC_Cfginfo (p_Cellid, tsc_S_CCPCH2, c_U E_info(tcv_TmpCellinfo.uRNTI, tcv_TmpCellinfo.cR NTI), c_TrChinfo_FACH_BMC, c_TrLogMapping_FA CH_BMC)	map CCCH, BCCH, to FACH1 and CTCHt o FACH2
8		CMAC ? CMAC_Config_CNF	ra_CMAC_CfgCnf(p_Cellid, tsc_S_CCPCH2)	
9	ERR1	[px_RAT = tdd]		
10	ERR2	[TRUE]		

4.9 Change 8

Test step	c_TrLogMappingFACH_BCCH_DCCH_CCCH_PS
Reason for change	Wrong logicalChannelType of "dCCH" is used for logical Channel tsc_DL_CCCH6
Summary of change	Changed logicalChannelType from "dCCH" to "cCCH" to tsc_DL_CCCH6.
Source of change	New change

Before:

```
logicalChannel_Mapping dl_LogicalChannelMapping: {
    macHeaderManipulation normalMacHeader,
    dl_TransportChannelType fach,
    logicalChannelItype fach,
    logicalChannelType dCCH,
    ric_SizeList configured: NULL,
    mac_LogicalChannelPriority 1
    ),
    rB_Identity tsc_RB29
},
```

After:

```
(
| logicalChannel_Mapping dl_LogicalChannelMapping : {
| macHeaderManipulation normalMacHeader, |
| dl_TransportChannelType fach, |
| logicalChannelIdentity is: DL_CCCH6, |
| logicalChannelType cCCH| |
| ric_SizeList configured : NULL, |
| mac_LogicalChannelPriority 1 |
| k, |
| rB_identity tsc_RB29 |
| rB_identity tsc_RB29
```

4.10 Change 9

Test step	c_TrLogMapping_FACH_BMC
Reason for change	Wrong rB_Identity of "tsc_RB_BCCH" is used for logical channel carrying BCCH data mapped to FACH.
Summary of change	Changed rB_Identity from "tsc_RB_BCCH" to "tsc_RB_BCCH_FACH"
Source of change	New change

```
Before:
```

```
logicalChannel_Mapping dl_LogicalChannelMapping : (
macHeaderManipulation normalMacHeader,
dl_TransportChannelType fach,
logicalChannelIdentity tsc_BCCH6,
logicalChannelType bCCH,
rtc_SizeList configured : NULL,
mac_LogicalChannelPriority 6

(rB_Identity tsc_RB_BCCH)
}
```

After:

```
logicalChannel_Mapping dl_LogicalChannelMapping : (
macHeaderManipulation normalMacHeader,
dl_TransportChannelType fach,
logicalChannelIdentity tsc_BCCH6,
logicalChannelType bCCH,
ric_SizeList configured : NULL,
mac_LogicalChannelPriority 6
),
(rB_Identity tsc_RB_BCCH_FACH)
),
```

4.11 Change 10

Test step	ts_SS_DownloadSecurityKey
Reason for change	At row 12 check for cell state cell_FACH_3_SCCPCH_3_FACH_CTCH is required.
Summary of change	At row 12 added check for the above cell state.
Source of change	New change

11	[NOT px_CipheringOnOff]	
12	[(tov_TmpCellinfo.cellConfig = cell_FACH_NoConn) OR (tov_TmpCellinfo.cellConfig = cell_FACH_NoConn) OR (tov_TmpCellinfo.cellConfig = cell_FACH_NoDedicated) OR (tov_TmpCellinfo.cellConfig = cell_FACH_PS) OR (tov_TmpCellinfo.cellConfig = cell_FACH_BMC) OR (tov_TmpCellinfo.cellConfig = cell_FACH_BMC_NoConn) OR (tov_TmpCellinfo.cellConfig = cell_FACH_2_PRACH_NoConn)	Cell FACH
	OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2_PRACH) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2_SCCPCH_NoConn)) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2_SCCPCH) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2_SCCPCH) StandAlo	
	nePCH_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAlo nePCH) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAlo	
13	nePCH_PS)] + it_DownloadKeyCRLC (tcv_HFN,OMIT,p_IK)	

ıteı	•	
1	[NOT px_CipheringOnOff]	
2	[(tcv_TmpCellnfo.cellConfig = cell_FACH_NoConn)OR	Cell FACH
	(tcv_TmpCellinfo.cellConfig = cell_FACH) OR	
	(tcv_TmpCellinfo.cellConfig = cell_FACH_NoDedicated) OR	
	(tcv_TmpCelInfo.cellConfig= cell_FACH_PS) OR	
	(tcv_TmpCellnfo.cellConfig = cell_FACH_BMC) OR	
	(trv_TmpCellinfo.cellConfig = cell_FACH_BMC_NoConn) OR	
	(txv_TmpCellinfo.cellConfig = cell_FACH_2_PRACH_NoConn) OR	
	(tcv_TmpCellinfo.cellConfig = cell_FACH_2_PRACH) OR	
	(tcv_TmpCellinfo.cellConfig = cell_FACH_2_SCCPCH_NoCo	
	nn) OR	
	(tcv_TmpCellnfp.cellConfig = cell_FACH_2_SCCPCH) OR	
	(tcv_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAl	
	onePCH_NoConn) OR	
	(try_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAl	
	onePCH) OR	
	(tcv_TmpCellinfo.cellConfig = cell_FACH_2SCCPCH_StandAll onePCH_PS) OR	
	(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FAC H_CTCH)]	
3	+ It_DownloadKeyCRLC (tcv_HFN,OMIT,p_IK)	
_		

4.12 Change 11

Test step	ts_SendRB_SetUp_FACH_3SCCPCH_32k_1
Reason for change	 Radio Bearer Setup message sent is not correct. In the Radio Bearer Setup message new CRNTI value of '1010101010101010101018 is sent. The same value needs to be updated in the SS.
Summary of change	 At row 2 instead of "cs_RRC_RB_SetUp" use cbs_108_RB_SetUpFACH_PS. Created a new test step ts_CMAC_New_RNTI_Reconf_3SCCPCH_CTCH and is called at row 3.
Source of change	New change

```
+ ts_SefTmpCellInfo (p_Cellid)
         AMIRLO_AM_DATA_REQ
                                                        cas_RB_SetUpAM_WithCnf(
                                                        tsc_CellDedicated,
tsc_RB2,
                                                        OMIT,
                                                        cs_RRC_RB_SetUp(
                                                          tcv_CellIndinfo.dl_integrityCheckInfo, tcv_RRC_Ti,
                                                          OMIT.
                                                          cell_FACH,
                                                          OMIT,
                                                         c_RAB_infoListFACH_PS (
                                                          c_ReEstTimerT314, p_RAB_ld, c_RLC_infoAM_Def),
c_UL_CommTrChinfo_AM0To1(c_PowerOffsetInfoBelow64k),
                                                          c_UL_AddReconfTransChinfoListFACH_P8,
                                                         c_DL_CommonTransChinfo_AM_0_4,
c_DL_AddReconfTransChinfoListFACH_P8_28CCPCH_Cnfg2,
                                                          c_DL_InformationPerRL_FACH@cv_TmpCellInfo.priScrmCode
                                                         OMIT.
                                                        OMIT,
                                                        OMIT
3 TS +ts_RRC_ReceiveRB_SetupCmpl(p_Celli
P d, cell_FACH_3_SCCPCH_3_FACH_CTCH)
                                                                                                                                 cell_FACH_3_SCCPCH ne
                                                                                                                                 ed to be used
```

1		+ts_SetTmpCellinfo (p_Cellid)		
2		AM!RLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, tsc_RB2, cbs_108_RB_SetUpFACH_PS (trv_CellIndInfo.dL_integrityCheckInfo, trv_RRC_Ti, p_RAB_Id, trv_TmpCellInfo.cRNTI))	
3		+ts_CMAC_New_RNTI_Reconf_3SCCPCH _CTCH (FALSE, p_Cellid, tcv_TmpCellinfo.uRNTI,tcv_TmpCellinfo.cRN Ti)		
4	TS P	+ ts_RRC_ReceiveRB_SetupCmpl (p_Ce llid, rell_FACH_3_SCCPCH_3_FACH_CTC H)		cell_FACH_3_SCCPCH nee d to be used

4.13 Change 12

Test step	ts_CMAC_New_RNTI_Reconf_3SCCPCH_CTCH
Reason for change 1. In the Radio Bearer Setup message new CRNTI value of '10101010101010101010101010101010101010	
Summary of change	Created a new test step ts_CMAC_New_RNTI_Reconf_3SCCPCH_CTCH.
	This new test step is required as in this case in the DL the transport channel Mapping information is different than the normal configuration.
Source of change	New change

Test 8	Step ld:	ts_CMAC_New_RNTI_Recor RING)	rf_3SCCPCH_CTCH(p_urrft:BOOLEAN; p_Cellid : INTEGER; p_U_	RN	TI : U_RNTI; p_C_RNTI : BITST	
Test Step Group Ref. BasicM_SS_			teps/			
Object			WU_RNTI or C_RNTI is assigned to UE.			
Defau		SS Def				
Comr	nents:	U-RNTI and C-RNTI are not n U-RNTI and C-RNTI is neces	S_DEN LERNTI and C-RINTI are not required on DPCH. LERNTI and C-RINTI is necessary when DCCHIDTCH mapped on S-CCPCH. LERNTI is necessary when DCCHIDTCH mapped on PRACH.			
	В	ehaviour Description	Constraint Ref		Comments	
1	+ ts_SetTmg	Cellinfo (p_Cellid)		$\overline{}$		
2		ReconfRLC_Size (p_umti)				
3		Reconf (p_umb)				
t_CM		umti: BOOLEAN)				
4	[p_umti]					
5	CMAC CMAC_Config_REQ		ca_CMAC_ReconfiginfoActNow(p_Cellid, tsc_S_CCPCH3,c_ UE_Info(p_U_RNTI, OMIT), c_TrChinfoFACH_BCCH_CCCH_D CCH_PS,c_TrLogMappingFACH_BCCH_DCCH_CCCH_PS)		SS has valid U-RNTI, C-RNTI s not valid	
8	CMAC ? CN	MAC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, tsc_S_CCPCH3)			
7	[NOT p_umi	11				
8	CMAC CMAC_Config_REQ		ca_CMAC_ReconfightfoActNow(p_Cellid, tsc_PRACH1,c_UE_ _info(OMIT,p_C_RNTI),cb_TrChinfoRACH1,c_TrLogMapping RACH_DTCH)		SS has valid C-RNTI, U-RNTI s not valid Only C-RNTI is required on PR ACH	
9	CMAC ? CN	fAC_Config_CNF	ca_CMAC_CfgCrrf (p_Cellid , tsc_PRACH1)			
10	CMACION	MC_Config_REQ	ca_CMAC_ReconfiginfoActNow(p_Cellid, tsc_S_CCPCH3, c_ UE_info(OMIT, p_C_RNTI), c_TrChinfoFACH_BCCH_CCCH_D CCH_PS, c_TrLogMappingFACH_BCCH_DCCH_CCCH_PS)			
11	CMAC ? C	MAC_Config_CNF	ca_CMAC_CfgCnf(p_Cellid, tsc_8_CCPCH3)			

4.14 Change 13

Test step	ts_SS_Rel
Reason for change	At row 130 and 131 cell ID used for the release of tsc_RB30 and tsc_RB29 should be CellId A instead of tsc CellDedicated
Summary of change	At row 130 and 131 replaced "tsc_CellDedicated" with "p_CellId"
Source of change	New change

Before:

127	[(try_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH_NoConn) OR (tcy_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH))	
128	+ It_ReiSRB1_4	
129	+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB20)	
130	+ ts_CRLC_Rel (tsc_CellDedicated), tsc_RB30)	
131	+ts CRLC Rei (tsc CellDedicated) tsc RB29)	

After:

127	[(tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH_NoConn) OR (tcv_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH)]
128	+ It_ReISR81_4
129	+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB20)
130	+ ts_CRLC_Rel (p_Cellid) tsc_RB30)
131	+ts_CRLC_Rel (p_Cellid) tsc_RB29)
132	+ts_CRLC_Rel(p_Cellid_tsc_RB_BCCH_FACH)

Branches executed in test case 14.4.2.3

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

5 Execution Log Files

5.1 Nokia 7600

The Nokia 7600 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]:

5.2 Motorola A835

The Motorola A835 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]:

6 References

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

CHANGE REQUEST				
[♯] TS 3 ⁴	4.123-3 CR 387	.0		
For <u>HELP</u> on us	ing this form, see bottom of this page or look at the pop-up text over the \#	symbols.		
Proposed change a	ffects: UICC apps器 ME Radio Access Network Core	e Network		
Title: 第 /	Addition of RAB test case 14.2.51.1 to RAB ATS V3.6.0			
Source: # 1	Rohde & Schwarz			
Work item code: 光!	N/A Date: 第 <mark>16/08/20</mark>	04		
Reason for change:	Release: # R99 Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) Pote found in 3GPP TR 21.900. Release 3 RAB test case 14.2.51.1 to the approach of the following and the following applied to test case 14.2.51.1 require	e 2) 996) 997) 998) 999) ved RAB		
Summary of change	approval. See detailed change description for further information.	a tor		
Consequences if not approved:	# Test case will not be added to ATS # Test case will not be added to ATS # Test case will not be added to ATS			
Clauses affected:	₩ N/A			
Other specs affected:	Y N X Other core specifications			
Other comments:	x			

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:

- 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

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

T1s040466

Title: Changes to test case 14.2.51.1 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

thomas.moosburger@rsd.rohde-schwarz.com

Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.51.1 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.

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3 Verification Test Summary

Test Case: TC_14_2_51_1

Test Group: CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
ATS Version: iWD-TVB2003-03_D04wk31 + essential modifications

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

UE used: Ericsson U100

Verification Status: PASS

4 Corrections required for test case 14.2.51.1

4.1 Introduction

This section describes the changes required to make test case 14.2.51.1 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_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.51.1:

WA#RAB4218, WA#RAB4407, WA#RAB4378, WA#RAB4463, WA#RAB4387, WA#RAB4394, WA#RAB4397, WA#RAB4383, WA#RAB4418, WA#RAB4384, WA#RAB4475, WA#RAB4475, WA#RAB4461, WA#RAB4377

4.2 ts_SS_ReIDPCH (A#RAB4462)

Test step name ts_SS_ReIDPCH

Reason for change The configuration "cell_Two_DTCH_CS_PS" is not included in this test step.

Summary of change Added lines 100 to 109 including the test steps to release the resources in the

"cell_Two_DTCH_CS_PS" configuration.

Source of change New Change

Label WA#RAB4462



4.3 ts_RRC_ConnRel (A#RAB4461)

Test step name ts_RRC_ConnRel

Reason for change The configuration "cell_Two_DTCH_CS_PS" is not included in this test step.

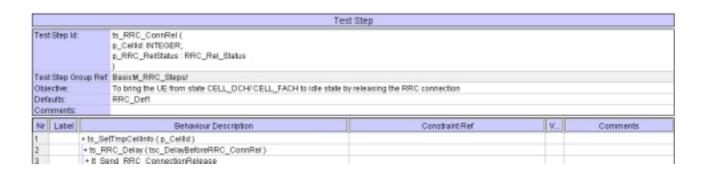
Summary of change Added "cell_Two_DTCH_CS_PS" in the list of possible configurations (line

33).

Source of change

Label New Change

WA#RAB4461



30	[try_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH]		
31	+ts_CRLC_ReiRecontSRB (p_Cellid)		
32	+ ts_SatCellCfg (p_Cellid, rell_FACH_3_SCCPCH_3_FACH_CTCH_No Corm)		
33	[(tev_TmpCellinfo.cellConfig = cell_DCH_Speach) OR (tev_TmpCellinfo.cellConfig = cell_DCH_64kcS_RAB_SRB) OR (tev_TmpCellinfo.cellConfig = cell_DCH_65kcS_RAB_SRB) OR (tev_TmpCellinfo.cellConfig = cell_DCH_65kPS_RAB_SRB) OR (tev_TmpCellinfo.cellConfig = cell_RLC_DCH_AM_RAB_15Lis) OR (tev_TmpCellinfo.cellConfig = cell_RLC_DCH_UM_RAB_7Lis) OR (tev_TmpCellinfo.cellConfig = cell_RLC_DCH_UM_RAB_15Lis) OR (tev_TmpCellinfo.cellConfig = cell_RLC_DCH_UM_RAB_15Lis) OR (tev_TmpCellinfo.cellConfig = cell_PCC_PAM_RAB) OR (tev_TmpCellinfo.cellConfig = cell_PCC_PAM_IM_RAB) OR (tev_TmpCellinfo.cellConfig = cell_PCC_PAM_UM_RAB) OR (tev_TmpCellinfo.cellConfig = cell_For_DTCH_OS_PS) OR (tev_TmpCellinfo.cellConfig = cell_For_DTCH_CS_PS) OR (tev_TmpCellinfo.cellConfig = cell_For_DTCH_CS_PS) OR (tev_TmpCellinfo.cellConfig = cell_PCH_AM_PS) OR		YARRAB4461
34	+ts_88_ReconfigRAB_Te8R8 (p_Cellid)		
35	+ ts_SetCellCfg (p_Cellid, sell_DCH_StandAloneSRB_NoConn.)		
36 ERF	R1 [(tov_TmpCellinto.cellConfig = cell_DCH_StandAloneSRB_NoConn) OR	1	1.

4.4 c_TrLogMappingDL_TM1_AM1 (WA#RAB4448)

Test step name c_TrLogMappingDL_TM1_AM1

Reason for change The MAC TFC reselection algorithm depends on the priority for every logical

channel. In the subtests which involves RB20 and other RABs in TM mode (RB10, RB11 and RB12) the mac priority for RB20 must be higher than or

RB10.

In the RB20 (AM mode) acknowledge PDUs must be sent sometimes taking the place in the data message. For example If the transport format used is DL_TFC3 (3 blocks in RB20) when the ACK PDUs must be sent it takes one of the blocks so 2 data blocks plus 1 ACK PDU are sent instead of the 3 data PDUs. The remaining data PDU will be sent the next tti but this is possible only if there is a suitable TF available and also it should have a higher priority than the rest of the data in other RABs.

See 11.4 "Transport format combination selection in UE" in TS 25.321

Summary of change Used a value of 6 instead of 8 for the IE "mac_LogicalChannelPriority" for

RB20 for the SS local configuration.

Source of change New Change

Label WA#RAB4448



4.5 ts_3DCH_ModifyConvUnknown_64k_InteractBackg_64k_20_Order1 (WA#RAB4424)

Test step name ts_3DCH_ModifyConvUnknown_64k_InteractBackg_64k_20_Order1

Reason for change Wrong list of TFCSs. It should not be

"0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17, 18 and 19" but

instead

"0, 2, 4, 6, 8, 1, 3, 5, 7, 9, 10, 12, 14, 16, 18, 11, 13, 15, 17 and 19"

Summary of change Used c_TrCHInfo_DL_3_0To19_Order1 (line 6) and

c_TrCHInfo_UL_3_0To19_Order1 (line 12) instead of

 $c_TrCHInfo_DL_3_0To19 \ and \ c_TrCHInfo_UL_3_0To19$

Source of change New Change

Label WA#RAB4424

			Test Step		
Test S	Step Id:	ts_3DCH_Medit_Com/Unknow p_Cellid : NTEOER; p_ActTime : ActivationTime; p_DL_Commoninformation p_UL_DPCH_Info : UL_DPCH			
est : Ojer		map DTCH(subflow#1),DTCH	DPCH1 and connect DCH1, DCH2 and DCH5 to the physical channel, then map (quabflow#2), to the DCH1, DCH2 transport channel respectively. Used for Convacion of the DCH4 by SPRAB /		
efas		RRC_Deft	sogradia / OL 54 DL. 54 sups (PO 7040)		
emr	nents:				
		Behaviour Description	Constraint Ref	Comments	
	[px_RAT = fd)	al a			
	CPHYICPHY_RL_Modify_REQ		ca_DL_DPCH_Modifyinfo(p_Callid, toc_DL_DPCH1, c_DL_DPCH_info (toc_Sft16, p_DL_Commoninformation,tov_TmpCellinfo.dl_DPCH_2nd8 crCade(),p_ActTime()	1.	
	CPHY?CPH	FY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Cellid, tsc_DL_DPCH1)		
	CPHYICPHY_TrCH_Config_REQ		ca_3_DCH_0_To19_Order1_DL_info (p_Cellid, tsc_DL_DPCH1, c_TrChComigTypeDCH_No8HO, c_DCH_148_TFS_DL, c_DCH_840_TFS, c_DCH_338_TFS_25_DL_20_TC, c_PowerOffsetInfoHigher64k, activati onCFN:p_ActTime)	2. @sic RASH TTCN Review sic@	
	CPHYTCP	HY_TrCH_Config_CNF	ca_TrChCfgCnfg_Callid,tsc_DL_DPCH1)		
		MAC_Config_REQ	ca_CMAC_Reconfightfo(ac_CallDedicated, fac_DL_DPCH1, c_UE_Info (OMT, OMT), c_TrCHinfo_DL_3_0To19_Order1 (c_DCH_148_TF8_DL_, c_DCH_640_TF8, c_DCH_336_TF8_25_DL_20_TC, c_PowerOffsetInfoHigher64k), c_TrLo gMappingDL_TM1_AM1,p_ActTime)	3. WAFRAB4424	
H		CMAC_Config_CNF	ca_CMAC_CfgCrrffse_CellDedicated, tat_DL_DPCH1)		
ŀ		PHY_RL_Modify_REQ	ca_UL_DPCH_Modifytrfo(p_Cellid_tsc_UL_DPCH1, p_UL_DPCH_Info, p_ActTime)	1.	
	CPHY70	PHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Cellid, fac_UL_DPCH1)		
0	CPHYIC	PHY_TrCH_Config_REQ	ca_3_DCH_0_To19_Order1_UL_into (p_Cellid , tsc_UL_DPCH1, c_TrChConfigTypeDCH_Ne8H0, c_DCH_148_TFS_UL, c_DCH_148_TFS_UL, c_DCH_540_TFS, c_DCH_236_TFS_24_UL_20_TC , activationCFN ;p_ActTime)	2. @sic RASH TTCN Review sic@	
1		CPHY_TrCH_Config_CNF	ra_TrChCfgCnf(p_Cellid, tsc_UL_DPCH1)		
2	CMAC	I CMAC_Config_REQ	te_CMAC_Reconfiginfo (tsc_CeilDedicated, tsc_UL_DPCH1, c_UE_inf o (OMIT, OMIT), t_TCHinfo UL_3_0To18_Order1 (c_DCH_148_TF8_UL, t_DCH_840_TF8, t_DCH_840_TF8, t_DCH_838_TF8_24_UL_20_TC), c_TrLagMappingUL_TM1_AM1,p_At fTime)	3. YWWFRAB4424	
3		? CMAC_Config_CNF	ce_CMAC_CfgCmf(tac_CellDedicated, tac_UL_DPCH1)		
6	[px_RAT = td:	d			
5	[TRUE]				
15	[TRUE] led Comment	1.to configure physical channel map DTCH(subflow#1),DTCH(20 ms TTI = Interactive or back 2. connect DCH1,DCH2 and DC	H-4 to DCH5, and DTCH1, DTCH2 to DCH1, DCH2 respectively for both uplink a	sational / Unknown J UL 64 DL 64 kbps	/CB

5 Branches executed in test case 14.2.51.1

The test case implementation executed combined CS/PS branch for NMO_I, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 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_51_1_CS-Ericsson-Logs\Index.html

This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

• PICS/PIXIT file 14_2_51_1-pics-pixit-Ericsson.html

Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040467

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

CHANGE REQUEST				
[₩] TS 3 ⁴	4.123-3 CR 388	nt version: 3.6.0 [#]		
For <u>HELP</u> on us	ing this form, see bottom of this page or look at the pop-	up text over the % symbols.		
Proposed change at	ffects: UICC apps# ME Radio Access	Network Core Network		
Title: 第 /	Addition of RAB test case 14.2.51a.1 to RAB ATS V3.6.0			
Source: #	Rohde & Schwarz			
Work item code: ₩ 1	N/A	ate: 第 <mark>16/08/2004</mark>		
[k	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.	R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
Summary of change	This document lists all changes applied to test case approval. See detailed change description for further informations are applied to test case approval.	·		
Consequences if not approved:	★ Test case will not be added to ATS			
Clauses affected:	₩ N/A			
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications			
Other comments:	x			

How to create CRs using this form:

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

- 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" d just in front of the claus which are not relevant	isabled, paste the entire se containing the first pic to the change request.	CR form (use CTRIece of changed text.	A to select it) into the sp Delete those parts of the	ecification specification

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

T1s040468

Title: Changes to test case 14.2.51a.1 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.51a.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.

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3 Verification Test Summary

Test Case: TC_14_2_51a.1

Test Group: RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd/

ATS Version: iWD-TVB2003-03_D04wk31 + essential modifications

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

UE used: Nokia 7600 and Ericsson U100

Verification Status: PASS

4 Corrections required for test case 14.2.51a.1

4.1 Introduction

This section describes the changes required to make test case 14.2.51a.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_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.51a.1:

WA#RAB4218, WA#RAB4407, WA#RAB4424, WA#RAB4378, WA#RAB4463, WA#RAB4387, WA#RAB4394, WA#RAB4397, WA#RAB4383, WA#RAB4418, WA#RAB4384, WA#RAB4475, WA#RAB4462, WA#RAB4377.

4.2 ts_SS_ReIDPCH (WA#RAB4462)

Test step name ts_SS_ReIDPCH

Reason for change The configuration "cell_Two_DTCH_CS_PS" (the one that 14.2.38a uses) is

not included in this test step.

Summary of change Added lines 100 to 109 including the test steps to release the resources in the

"cell_Two_DTCH_CS_PS" configuration.

Source of change New Change

Label WA#RAB4462

		Test Step)	
Tent Step ld:	to SS ReiOPCH(p_Cellel: NTDOER)			
Feet Step Gro	up Ref. BasicM_SQ_Coefiguration_Steps/			
Objective:	To release the DPCH shannel.			
petauto	88_Det			
Definition Commission The following charmels need to be removed: physical charmels DCH Sanapot charmels DCH logical charmels DCH; and signalling todio bearer: signalling bearers on DCH radio access to		earer on DCH.		
	VMAWSHS 4462			
	Behanour Description		Constraint Har	Consments
00 00 00 00 00 00 00 00 00 00 00 00 00	+ N_SE_SE_SE_FE_C_C_MESS_ NO_UDPCH1) [HvTreeSeb1_4 No_CellCoeffs = rel_Twe_DPCH_CS_PS)] + N_CREC_Rel_Coeff Coeff Coeff Coeff No_CellCoeff			
108				
08	- N_88_80gRL (g_CHIB. N4_UL_DPCH1)			
108 118 EFF ReleaseFL	- %_SS_StopRL(a_Cells, Ns_UL_DPCH1) [TRUE]			
18 CPR ReleaseRt	- %_SS_StopRL(a_Cells, Ns_UL_DPCH1) [TRUE]			

4.3 ts_RRC_ConnRel (WA#RAB4461)

Test step name ts_RRC_ConnRel

Reason for change The configuration "cell_Two_DTCH_CS_PS" is not included in this test step.

Summary of change Added "cell_Two_DTCH_CS_PS" in the list of possible configurations (line

33).

Source of change New Change
Label WA#RAB4461

	Test Step								
Fest Step (d: ts_RRC_ConnRel (
Test Step (Objective: Defaults: Comments	RRC_Defl	To bring the UE from state CELL_DCH/ CELL_FACH to idle state by releasing the RRC connection							
Nr Label	Behaviour Description	Constraint Ref	V	Comments					
	+ ts_SeffimpCellinfo (p_Cellid)								
2	+ts_RRC_Delay(tsc_DelayBeforeRRC_ConnRel)								
3	+ It Send RRC ConnectionRelease								
30	[try_TmpCellinfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH]								
31	+ts_CRLC_ReiRecontSRB (p_Cellid)								
32	+ ts_SatCellCfg (p_Cellid, sell_FACH_3_SCCPCH_3_FACH_CTCH_No Conn.)								
33	[(tv_TmpCellinfo.cellConfig = cell_DCH_Speech) OR (tv_TmpCellinfo.cellConfig = cell_DCH_64kCS_RAB_SRB) OR (tv_TmpCellinfo.cellConfig = cell_DCH_657_6kCS_RAB_SRB) OR (tv_TmpCellinfo.cellConfig = cell_DCH_64kPS_RAB_SRB) OR (tv_TmpCellinfo.cellConfig = cell_RLC_DCH_AM_RAB_15Lis) OR (tv_TmpCellinfo.cellConfig = cell_RLC_DCH_UM_RAB_15Lis) OR (tv_TmpCellinfo.cellConfig = cell_RLC_DCH_UM_RAB_15Lis) OR (tv_TmpCellinfo.cellConfig = cell_RLC_DCH_UM_RAB_15Lis) OR (tv_TmpCellinfo.cellConfig = cell_PDCP_AM_RAB) OR (tv_TmpCellinfo.cellConfig = cell_PDCP_UM_RAB) OR (tv_TmpCellinfo.cellConfig = cell_PDCP_UM_RAB) OR (tv_TmpCellinfo.cellConfig = cell_Tv_DTCH_0R (tv_TmpCellinfo.cellConfig = cell_FOx_DTCH_CS) OR (tv_TmpCellinfo.cellConfig = cell_FOx_DTCH_CS] OR (tv_TmpCellinfo.cellConfig = cell_PDCP_LAM_PS) OR (tv_TmpCellinfo.cellConfig = cell_DCH_2AM_PS) OR (tv_TmpCellinfo.cellConfig = cell_DCH_2R_PS) OR			WARRAB 4461					
34	+ ts_88_ReconfigRAB_ToSRB (p_Cellid)								
15	+ ts_SetCellCfg (p_Cellid, cell_DCH_StandAloneSRB_NoConn.)								
S ERRI	[(fcr_TmpCellinfo.cellConfig = cell_DCH_StandWoneSRB_NoConn.) OR		1	1.					



4.4 tc_14_2_51a_1 and c_TFC_Allowed_0_2_3_4_7 (WA#RAB4483)

Test step name tc_14_2_51a_1 and c_TFC_Allowed_0_2_3_4_7.

Reason for change Wrong lists of allowed CTFCs passed in the calls of the subtests. Because the

constraint for the CTFC used in the RAB setup (0,1,2, 3, 4, 5, 6 and 7) has a different other than the one present in the prose (0, 2, 1, 3, 4, 6, 5 and 7) TFCIs for 1 and 2 has to be swapped. The same for TFCIs 5 and 6.

Summary of change Subtest 1: c_TFC_Allowed_0_2_4_6 instead of c_TFC_Allowed_0_1_4_6.

Subtest 2: c_ c_TFC_Allowed_0_1_4_5 instead of c_TFC_Allowed_0_2_4_5.

Subtest 3: c_TFC_Allowed_0_2_3_4_7 instead of

c_TFC_Allowed_0_1_3_4_7.

Created c_TFC_Allowed_0_2_3_4_7.

Source of change New Change

Label WA#RAB4483

		Test Case		
Fest Cas Fest Gree Purpose: Configure Defaults: Commen	up Reference:	tc_14_2_51a_1 CombinationOnDPCHICom/Unknown_InteractBackgmidf Conversational/unknown (UL.64 DL.54 kbps / C5 RAB / 20 ms TTI + Interactive or background / UL. 8 DL. 8 kbps / P5 Test to verify establishment and data transfer of reference radio bearer configuration as specified in TS 34.108, clause RRC_Defl @SIC_NAPP		
_ La.	ı			Comments
i Unterac	START t_Gri + ts_init/or - tt_interac + it_Backg tive [pc_interac	risibles tive round		Initial Test Case Variables
	+ts_RB_In	fTest_CS_PS (com/Unknown_64k_Interact_8k_20, terminating interactive Call, Interactive Call)	Т	Steps 1-10
	+ ts_RB_S tup2 (640,ts	RufTest_RAB_SRB_RB20 (r_TFC_Allowed_0_1_2_4_6, c_TFC_Allowed_0_2_4_6, r_UE_TestLoopMode1_LB_8e tc_RB10, 312_tsc_RB20), r_RAB_Tx_Infe (tsc_RB_TestData_2698, vfo(1sr_RB20,312,30),		Subtest 1 Steps 11-17 @six RASH ER1923 six@
	etup2 (640) 1,	SubTest_RAB_SRB_RB10 (c_TFC_Allowed_0_1_2_4_5, c_TFC_Allowed_0_1_4_5, c_UE_TestLoopMode1_LB_S toc_RB10, 312, toc_RB20.), c_RAB_Tc_info (foc_RB_TestData_2688, vfo(tec_RB10,1200,80),		Subtest 2 Steps 11-17 @six RASH TTCN Review six(

9	+ ts_RB_SubTest_RAB_BRB_RB10_RB20 (c_TFC_Allowed_0_1_2_3_4_5_6_7, c_TFC_Allowed_0_2_3_4_7, c_UE_TestL_ postMode1_LB_Setup2 (640,tec_RB10_312, tec_RB20), c_RAB_Tx_info flec_RB_TestData_2688.	Subtest 3 Steps 11-17
	7, c_RB_Tx_info(tac_RB10,1280,60), c_RB_Tx_info(tac_RB20,312,30),	@sic RASH ER1923 sic@
	OMET,	
	40)	
0 TBE1	(trv_TestBody = FALSE)	
1	+ ts_TC_DeactivateRB_TestNode (tsc_CeliDedicated)	Steps 20-21
12	+ts_RRC_ConnRel (tsc_CelW, rell_Drh)	
13	+ts_GMM_DetachOn8witchOff(tsc_CellA)	
4	+ po_ConnectionAndSS_Rel (tsc_CellA)	
5	[TRUE]	
t_Backgro	,	
16	[pc_Background]	
17	+ts_RB_inifTest_CS_P8 (com/Unknown_64k_Backgmd_8k_20, terminatingBackgroundCall, terminatingBackgroundCall)	Steps 1-10
18	+ to_RB_SubTest_RAB_BRB_RB20 (c_TFC_Allowed_0_1_2_4_6, c_TFC_Allowed_0_2_4_6, c_UE_TestLoopMode1_LB_Beitup2 (640 /sc_RB10, 312, tsc_RB20), c_RAB_Tx_Info (tsc_RB_TestData_2698, t_RB_Tc_info (tsc_RB20,312,30), t_RB_Tc_info (Subtest 1 Steps 11-17 @sic RASH ER1923 sic@
19	+ ts_RB_SubTest_RAB_SRB_RB10 (c_TFC_Allowed_0_1_2_4_5, c_TFC_Allowed_0_1_4_5, c_UE_TestLoopNode1_LB_S etup2 (640,tsc_RB10, 312, tsc_RB20), c_RAB_Tx_info (fsc_RB_TestData_2688, 1, c_RB_Tx_info (fsc_RB10,1280,60), OMIT, OMIT, 20)	Subtest 2 Steps 11-17 @sic RASH ER1923 sic@
20	+ts_R8_SubTest_RA8_SR8_R810_R820 (c_TFC_Allowed_0_1_2_3_4_5_6_7, c_TFC_Allowed_0_2_3_4_7, c_UE_Test_ bopMode1_L8_Setup2 (840,tsc_R810, 312, tsc_R820), c_RA8_Tx_Info (tsc_R8_TestData_2888, 2, c_R8_Tx_Info (tsc_R810,1280,60), c_R8_Tx_Info (tsc_R820,312,30), OMIT, OMIT), 40)	Subtlest 3 Steps 11-17 @sic RASH ER1923 sic@
21 TBE1	(tcr_TestBody = FALSE)	
	+ ts_TC_DeactivateRB_TestNode (tsc_CellDedicated)	Steps 20-21
22	* ID_IC_Description_respice doc_cerbedcated	040 ho 54-71
22	+ po_ConnectionAndSS_Rel (tsc_CellA)	disho su, si

	ASN.1 Type Constraint Declaration						
Constraint Name:	t_TFC_Allowed_0_2_3_4_7						
Oraup:							
Type Name:	TFC_Subset						
Derivation Path:	_						
Encoding Variation:							
	@SIC_NAPP For speech combination with 2 RBs + DCCH						
	WARRAB4483						
Constraint Value							
allowedTEC_List()	lowedTFC_List (0 , 2 ,3 ,4 ,7)						

4.5 c_TrLogMappingDL_TM1_AM1 (WA#RAB4448)

c_TrLogMappingDL_TM1_AM1 Test step name

The MAC TFC reselection algorithm depends on the priority for every logical Reason for change

channel. In the subtests which involves RB20 and other RABs in TM mode (RB10, RB11 and RB12) the mac priority for RB20 must be higher than or

In the RB20 (AM mode) acknowledge PDUs must be sent sometimes taking

the place in the data message. For example If the transport format used is DL_TFC3 (3 blocks in RB20) when the ACK PDUs must be sent it takes one of the blocks so 2 data blocks plus 1 ACK PDU are sent instead of the 3 data PDUs. The remain data PDU will be sent the next tti but this is possible only if there is a suitable TF available and also it is has a higher priority than the rest of the data in other RABs.

See 11.4 "Transport format combination selection in UE" in TS 25.321

Summary of change Used a value of 6 instead of 8 for the IE "mac_LogicalChannelPriority" for

RB20 for the SS local configuration.

Source of change New Change
Label WA#RAB4448



5 Branches executed in test case 14.2.51a.1

The test case implementation executed the combined CS/PS branch for NMO_I, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off for the Ericsson UE and AutoAttach on for the Nokia one.

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

• Execution log files 14_2_51a_1_CS-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_51a_1-pics-pixit-Nokia.html

Text file containing all PICS/PIXIT parameters used for testing.

6.2 Ericsson 3G UE U100

The Ericsson U100 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

• Execution log files 14_2_51a_1_CS-Ericsson-Logs\Index.html

This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

• PICS/PIXIT file 14_2_51a_1-pics-pixit-Ericsson.html

Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] T1s040469

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

CHANGE REQUEST						CR-Form-v7							
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Title:	ж	Addi	tion of	P3 tes	t case 8.	4.1.27 t	o RRC	ATS	V3.6	6.1			
Source:	ж	Rac	al Instr	uments	s Wireles	s Soluti	ons, ar	Aero	oflex	Company			
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	_		V3.6.	ļ						e 8.4.1.27 to			RRC ATS
Summar	y of chang	ge: #	appro	val.		-				t case 8.4.1.2 ormation	27 req	juired for	
Consequence not appre	ences if oved:	ж	Test o	ase wi	ll not be a	added to	o ATS						
Clauses	affected:	Ж	N/A										
Other sp affected:		¥	Y N X X	Test s	core spe specificat Specifica	ions	ons	æ					
Other co	mments:	\mathfrak{R}											

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- 1) Fill out the above form. The symbols above marked \$\mathbb{H}\$ 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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ 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 8.4.1.27 required for approval

Source: Racal Instruments Wireless Solutions, an Aeroflex Company

Document for: Email Approval

Contact: Kundan Sehmbey

kundan.sehmbey@aeroflex.com

Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.4.1.27, which is part of RRC iWD_wk31 test suite. Changes are made so that it can be executed with one or more 3G UE. Plesae see section 6 for log information.

2 Table of Contents

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3 Verification Test Summary

Test Case: tc_8_4_1_27

Test Group: RRC

ATS Version: iWD_wk31 + modifications

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

UE used: Nokia 3G UE 7600 and Qualcomm 6250

Verification Status: PASS

4 Corrections required for test case 8.4.1.27

4.1 Introduction

The TTCN ATS used is RRC iWD_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	tc_8_4_1_27
Reference ATS	RRC
Change Label	RACAL#RRC_0201
Reason for change	<textual change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Racal conclusion	

TTCN object: Identifier(s) of one or more TTCN objects having a global context in the

TTCN ATS. Typically only one TTCN object occurs. More than one object is

listed only, when:

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

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

way; and

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

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the

current change description applies.

Change Label: Textual identifier starting with the fixed string 'RACAL#IR_U', followed by a

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

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

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

Other affected objects: List of one or more fields, pointing to other TTCN objects having assigned

the same Change Label, i.e. all other objects being affected by the problem-

giving rise to the current Change Label.

ETSI colleagues giving a dedicated reply to the current CR document may

use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not

indicate acceptance of the change request.

4.3 Change 1 - test Suite Constant tsc_TpcStepSize

Reason for

The value of TPC Step size is defined as IE Value + 1 in 25.331. So for 1 dB step size

tsc_TpcStepSize should be set to 0

change

Summary Test suite constant **tsc_TpcStepSize** is set to 0.

of change

Constant Name	Туре	Value Reference	Comments
tsc_TpcStepSize	TPC_StepSizeFDD	<u>±0</u>	

4.4 Change 2 - Test case tc_8_4_1_27

Reason for change

- 1. IE **ue_TransmittedPowerFDD** in Measurement Report Message ranges from +21 to +104 which corresponds to value -50 to +33 as per clause 9.1.6.2 of TS 25.133
- 2. Incorrect use of Cell Id in line 24 while calling step ts_C3_CheckCellDCH

Summary of change

- An offset of +71 is added in line 19, 20, 22 and 23 while checking the value of IE ue_TransmittedPowerFDD in Measurement Report
- 2. **tsc_CellA** is passed instead od **tsc_CellDedicated** in step +ts_C3_CheckCellDCH in line 24.

	Test Case										
Test C	Test Case Id: tc_8_4_1_27										
Test G	Froup Reference:										
Purpos	se:	1. To confirm that the UE performs UE internal measurements and reporting for events 6A and 6B, when requested by the	UTRAN to do so in the MEASUREMENT CONTROL message	÷.							
Config	guration:										
Defaul	ts:	RRC_Def1									
Commer	its:	@SIC_NAPP									
Nr La	bel	Behaviour Description	Constraint Ref	Verdict	Comments						
1	START t_Gus	ard									
2	[px_RAT	= fdd]			FDD specific behaviour						
3	+lt_Init\	ariables									
4	+ts_SS_0	reateCellDCH (tsc_CellA)									

_					
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Dch state and release the connection
					again
7		+ts_ToStateMO_CS_6_9_PS_6_100r6_11 (tsc_CellA)			
8		+lt_TestBody			
9		+po_SHO_ConnectionAndSS_Rel			Postamble : To release the RRC connection and all the SS
					configuration
10	ERR1	[px_RAT = tdd]			TDD specific behaviour
11	ERR2	[TRUE]		I	
lt_	TestBod	у			
12	TBS	(tcv_TestBody := TRUE)			
13		AM ! ELC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2,		Step 2 in prose
			<pre>cs_MeasurementControlUE_InternalMeas_Event6a_6b (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,</pre>		
			5, eventTrigger))		
14		CPHY!CPHY_UL_PowerModify_REQ	<pre>ca_UL_PowerModify_REQ (tsc_CellA, tsc_DL_DPCH1, tsc_UL_DPCH1, delta: 41)</pre>		Step 3 in Prose (set UE UL DPCH transmission
					power above 18 dBm); @sic Thomas T1- 041010 sic@
15		CPHY?CPHY_UL_PowerModify_CNF	ca_UL_PowerModify_CNF (tsc_Cella, tsc_DL_DPCH1)		@sic Thomas T1-
					041010 sice
16	TBP1	AM ?RLC_AM_DATA_IND ({ tov_checkUsTxPower:= RLC_AM_DATA_IND.aM_message.ultp.Crt.Message.sepsage.message.message.message.message.messaye.mesaurementReport.measuredResults.ue_InternalMeasuredResults.modeSpecificInfo.fdd.ue_TransmittedPowerPDD)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportUE_InternalMeas_Event6a_6b (5,	(P)	Step 4 in prose (Step 3 not needed as UE
			C_EventResult (event6a : NULL))		transmission power already above 18 dBm)
17	TBF1	 		(F)	
18	TBP2	= { tev_eheekUSTNrower > 18 }		(P)	
19	TBF1	[tcv_checkUETxPower <= 89]		<u>(F)</u>	
20	TBP2	[tov_checkUETXPOWer > 89]		(P)	
21		CPHY!CPHY_UI_PowerModify_REQ	Ca_UL_PowerModify_REQ (tsc_Cella, tsc_DL_DPCH1, tsc_UL_DPCH1, delta: -10)		Step 5 in prose; UE transmission power set below 15 dBm to 11 dBm to avoid measurement uncertainties); @sic Thomas T1- 041010 sic@
22		CPHY?CPHY_UL_PowerModify_CNF	ca_UL_PowerModify_CNF (tsc_CellA, tsc_DL_DPCH1)		@sic Thomas T1- 041010 sic@
Ľ					
23	TBP3	AM TRIC_AM_DATA_IND (tow.checkINTRYOwer: Bit_AM_DATA_IND.aM_message. ul_DCCH_Message.message.messurementReport.measuredResults.ue_InternalMeasuredResults.modeSpecificInfo.fdd.ue_TransmittedPowerFDD)	car_MeasurementReport (tsc_CellDedicated, tsc_RE2, tsc_RE3, cr_MeasReportUE_InternalMeas_Event6a_6b (5, c_EventResult (event6b : NULL))	(P)	Step 6 in prose
24	TBF2	[-tev_eheekUETMPower->* 15-]		(F)	
25	TBP4	[-tev_checkUETxPower - 15 -)		(P)	
26		+ta_C3_CheckCellDCH (tae_CellDedicated)			Step 7 in prose:
27	TBF2	[_tcv_checkUETxPower_>= 86_]		<u>(F)</u>	
28	TBP4	[_tcv_checkUETxFower < 86_]		(P)	
29		+ts_C3_CheckCellDCH (tsc_CellA)			Step 7 in prose;
30	TBE	(tcv_TestBody := FALSE)		(P)	
lt_	InitVar	iables			
31		* ts_RRC_InitVariables (cell_DCH)			
ш					

(tcv_CellinfoA := c_CellInfoDiff (tsc_CellA, px_PriScrmCode, tsc_URA_IdCellA, tsc_CRNTI , tsc_tCellA, tsc_SFN_OffsetA, tcv_FreqInfoMid, px_UL_ScramblingCode))	

5 Branches executed in test case 8.4.1.27

For Nokia 7600 - test case was executed with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to cs_domain.

For Qualcomm test case was executed with pc_CS=TRUE, pc_PS=FALSE, px_CN_DomainTested set to cs_domain.

6 Execution Log Files

Nokia 7600 and Qualcomm 6250 UEs have been used and this test case passed in CS mode on the Racal Instruments Wireless Solution 6401 AIME/CT Test platform. Logs of the successful test case execution is enclosed in T1s040471[2].

7 References

[1]	RRC iWD_wk31.mp
[2]	T1s040471[2].zip Attachment containing the successful log and and the TTCN MP file for 8.4.1.27

		CHANGE	REQUI	EST			CR-Form-v7
[♯] TS 3	<mark>4.123-3</mark> CR	393	∉rev _	₩ C	urrent versio	on: 3.6.1	#
For <u>HELP</u> on u	sing this form, se	e bottom of this p	page or loo	k at the p	oop-up text o	over the % syn	nbols.
Proposed change a	affects: UICC	apps#	ME R	adio Acce	ess Network	Core Ne	twork
Title: 第	Addition of GCF	P3 test case 8.4	.1.34 to IR_	_U ATS v	/3.6.1		
Source: #	Anite						
Work item code: ₩	N/A				Date: 第	17/08/04	
Reason for change Summary of change Consequences if not approved:	F (correction A (correspon B (addition of C (functional of Detailed explanation be found in 3GPP To add verive ATS V3.6.1 This document approval. See detaile	nds to a correction of feature), I modification of feature), I modification of feature) ions of the above country 178 21.900.	ature) ategories ca e 3 RRC te	n est cases	2 (0 R96 (1 R97 (1 R98 (1 R99 (1 Rel-4 (1 Rel-5 (1 Rel-6 (1	ne following rele GSM Phase 2) Release 1996) Release 1997) Release 1998) Release 1999) Release 4) Release 5) Release 6)	IR_U
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Other comments:							

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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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004

01 Jan - 31 Dec 2004

T1s040479

Title: Changes to test case 8.4.1.34 required for approval

Source: Anite

Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose

phil.rose @anite.com Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 8.4.1.34, which are part of the IR_U 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.

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3 Verification Test Summary

Test Case: TC_8_4_1_34

Test Group: RRC/RRCMeasurements

ATS Version:

System Simulator used: Anite MultiRAT CT

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test cases 8.4.1.34

4.1 Introduction

This section describes the changes required to make test cases 8.4.1.34 run correctly with a 3G UE. The ATS version used as basis was IR_U_wk31.mp, which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Change 1

Local Tree and Test step	tc_8_4_1_34, local tree lt_Step2_To4_WithOrWithoutCompMode
Reason for change	 The TGPSRFCN value should not be set to OMIT while doing SS side RL Modification after Measurement Control Message for UE, which required Compress Mode. On the SS side Activation of compressed mode for uplink is not done.
Summary of change	At row 82 tcv_TGPSRFCN is passed as a parameter to the constraint c_DPCH_CompressedModeStatusInfoActive_TGPSIList for SS side RL modification. At row 84 and 85 added statements for Activation of Uplink Compress Mode after sending Measurement Control.
Source of change	New change

Before:

80	HILLOPHY_TOCFN_250_252_254 BM_CHIN		
81	AM IRLC_AM_DATA_REQ	cas_MeasurementControl (toc_CellCedicated, toc_RED), cs_RED, c	Step 4 in prose; @pic Themas ER 1613 sic@
82	CPHYTCPHY_PL_Medity_PEG	ca_ComprissedModeStatusinfo_REG (bir_CeSA, bir_DL_DPCH 1, bir_ActTime, c_DPCH_ComprissedModeStatusinfoActive_TOPSLis@OMT_1,2 1, bir_TGCFN_252, bir_TGCFN_254, bir_TGCFA_2541)	
93	CPHY?CPHY_RL_Modify_CNF	ca_CorepressedModelinfoCNF (tsc_CellA, tsc_DL_DPCH1)	
94	[TRUE]		@sic Themas ER 1606 sic@

After:

80	Hts_CPHY_TGCFN_250_252_254 dsz_Cw8Aj		
81	AMIRIC_AM_DATA_REG	cas_Measurement/Control (for_CellDedicated, 164_R82; cs_Measurement/ControlleterRATMeas_DeepDib_3c_3 avvite/Compatible (tov_Cellindinto al_Integrity/Checkard is_tx_RRC_T); lt. tx_Gell_Integrity/Checkard is_tx_RRC_T); lt. tx_Gell_Integrity/Collandinto al_Offset_tis_Integrity/CellBettis_	Skep 4 in prane; @sio Themas ER 1613 sing
83	CPHY CPHY_RL_Modify_REQ	ra_Compress editiode/Status Info_RSO (toc_CellA, toc _DC_DPCH_tov_Aufmes, c_DPCH_Compress editiode/Status InfoActive_TOPSIU stitle_TOPSRFCN[1,2,3, toc_TOCFN_352, toc_TOCFN N_SSI_toc_TOCFN_250])	
113	CPHY 1 CPHY_RL_Hodity_CNF	ca_CompressedModelinfsCRF (tax_CelfA, tax_DL_D PCH1)	
84	CPHYTCPHY_RL_Modify_REQ	Ea_Compress editiods/Status into_RSO (for_Cella, for _UL_DPGH1, tor_Astforms, c_DPGH_Compress editiods/Status into Active_TOPSIU stitle_TOPSIPPCN_1,2,3, for_TOGPN_352, for_TOGP N_254_tor_TOGPN_250))	
85	CPHY?CPHY_RL_Modify_CNF	cs_CompressedModelinfoChF (tsc_CellA, tsc_UL_D PCH1)	
86	TRUE		@sic Themas ER 1606 sing

4.3 Change 2

Local Tree and Test step	tc_8_4_1_34, local tree lt_PhyChReconf_CompresseModeActivate (Line #56)
Reason for change	The Cell ID "tsc_CellDedicated" used for for receiving CPHY_RL_Modify_CNF is incorrect. It should be "tsc_CellA".
Summary of change	Au row 56 replaced "tsc_CellDedicated" with "tsc_CellA".
Source of change	New change

Before:

		IP.	
66	CPHY1CPHY_RL_Medits_REQ	ca_CompressedModeDPCH_info_REG (tor_CellA_tor_Di_DPC Htt, tor_Affirms, c_DL_DPCHinfo (
56	CPHY?CPHY_RL_Modity_CNF	cs_CompressedModelinfsCNF (tsc_CellDedicated) tsc_DL_DPC H11	

After:

95	CPHY1CPHY_FIL_Medity_REQ	cs_CompressedModePCH_info_REG (bic_CeRA, ts c_GL_DPCHI, tor_AstTime, c_DPCHinfo_DL (c_DL_DPCHinfo (c_DL_Commoninformation_ElectTriggerCompModeD c_UL (bic_DL_DPCHI_SPT_Speech , modeDj. c_DL _DPCH_infoPerRadioLink (bic_DL_DPCHI_CRC_S, bic_DL_DPCHI_CRC_Speech _)(i)
99	CPHY ? CPHY_RL_Modity_CNF	ca_CompressedModeInfoCNF (fac_CellA_lex_DL_DF CH1)

4.4 Change 3

Local Tree and Test	tc_8_4_1_34, local tree lt_TestBody
step	
Reason for change	1) The wait time 800ms for SS to receive first Measurement Report is not
	enough at line #29. According to 25.133 section 8.1.2.5.4:
	The measurement reporting delay is defined as (2*TMeasurement Period).
	Thus the wait timer calculation should be (2 * TMeasurement Period + Time to
	trigger event),
	where:
	As per 25.133 section 8.1.2.5, TMeasurement Period is 480ms and
	in Measurement Control message for test case 8.4.1.34 time to trigger event is
	60 ms.
	As per the above section references the calculated timer for first Measurement
	Report is: (2 * 480ms + 60 ms) = 1020ms
	A prose CR for the same is drafted and will be submitted in the next T1SIG
	meeting for approval. (For more information please refer to attached Prose CR)
	2) The "tolerance = 80ms" for the first Measurement Report wait timer is
	incorrect at line #28.
	As per 34.108 the timer tolerance could be 10% of timer value or (2*TTI
	+55ms) which ever is higher.
	3) The wait time for SS to receive second Measurement Report is not enough at line #34.
	As per 25.331 table 8.7: "The worst-case times for identification of one
	previously not identified GSM cell"
	For a UE requiring compressed mode gap patterns (pattern 2) the time
	required for initial BSIC verification of the 3rd GSM cell is 5.8s.
	A prose CR for the same is drafted and will be submitted in the next T1SIG
	meeting for approval. (For more information please refer to attached Prose CR)
	4) CANOCI 4 Weith 10 mining of the manufacture of the total Management Deposit of
	4) CANCEL t_WaitMS missing after reception of first Measurement Report at line #31
Summary of change	Wait Timer value changed from 800ms to 1020ms.
	2) Tolerance is taken as (2*TTI + 55ms)
	3) UE requires some time for identification of one previously not identified
	GSM cell, so the wait time is changed to 5.8s instead of 0.8s. Please refer
	the attached Prose CR.
	CANCEL t_WaitMS added after reception first Measurement Report.
Source of change	New change

Before:

29 29 30 31		(tov_Tolerance := (00))			
29		START (_Waddets (888 = tov_Tolerance)			Initialize thewait timer to 500ms seco
30	TBF2	? TIMEOUT I, WARMS		(F)	
31		AM 1RLC_AM_DATA_ND	car_MeasurementReport (fits_CellDedicated, fits_FIRD_ cc_tits_siReportinterRatifices (3_0MT_veetledBSSC: fits_0SM_) nterRAT_CellD_veetledBSSC: tac_OSM_interRAT_CellA_r_interRAT_ATMeas_EnrerResults2a_3b_3c_3c(ab), tac_GSM_interRAT_CellBSSC.	(P)	Step 7 in proce
32		AMTRLC_AM_DATA_REQ	c.a.s_inters.ouvermentControl (tot_CellDedicated, tot_PRID; c.e_inters.ouvermentControlMadifyInterRNTMeas_EventSib (tov_Cellin: dinfo.dl_IntegrityChecklinfo, tov_PRPC_TI, 3		Stap 8 in prose
33 34 35		(tax_Talesance >= (80))			
34		START t_WwitMS (888 + tox_Tolerance)			Initialize thewait timer to 600ms seco
36	TRF3	PTMEOUT LINEMS		(F)	

After:

28 29 30 21		(tov_Totorance >= (2*40) +95)			
29	TRES	START1_WolfM3 (1020 + tov_Tolerance) 9 TIMEOUT1_WolfM3		(C)	initialize thewait timer to 1820ms seconds
21	107.2	AMPRIC_AM_DATA_IND	car_MeasurerentReport (toc_CellDedicated,	(P)	Step 7 in proce
		CANCEL (_Williams	toc_RG2, cr_MeasReportInterRetitless (3, 0MIT, verified BSS: toc_OSM_InterPAT_CellS, verifiedBSC : toc_OSM_InterPAT_CellA, c_interPathNess_E verifiess.ESS_28_SC_36936, toc_OSM_InterPAT_CellA())		
32		AM I RLO_AM_DATA_REG	cas_MeasurementControl (tor_CellDedicated, tor_R02, cr_steasurementControlModifyinte-RATibleas_E wintSe (tor_Celltristinto.dl_integrityChieckinto, to in_RRC_TI, 3		Step 8 in proze
33 34		(toy_Tolerance := (580))			
34		START (_VHAIRMS (5808 + tov_Totorance)			Initialize thewait timer to 5880ms seconds
36	TBF3	7 TIMEOUT LYNAMIS		(F)	

4.5 Change 4

Local Tree and Test step	ts_GSM_InitVariables_ThreeCells
Reason for change	1) GSM_P_900 Band is missed while checking GSM Band Under test.
Summary of change	1) Added tsc_GSM_P_900Band_Test at line #9
Source of change	New change

Before:

1	[px_GSM_BandUnderTest=tsc_GSM_480Band_Test]	_
2	(tov_G_CellinfoA := c_G_CellConfiginfoGSM480_CellA)	
3	(trv_G_CellinfoB = c_G_CellConfiginfoGSM480_CellB)	
4	(tov_G_CellinfoC = c_G_CellConfightfoGSM480_CellC)	
5	[px_GSM_BandUnderTest = tsc_GSM_450Band_Test]	
6	(tov_G_CellinfoA := c_G_CellConfiginfoGSM450_CellA)	
7	(trv_G_CellinfoB = c_G_CellConfiginfoGSM450_CellB)	
8	(tov_6_cellinfoC >= c_6_cellConfightfoGSM450_cellC)	
9	[px_GSM_BandUnderTest = tsc_GSM_E_900Band_Test]	
10	(tov_G_CellinfoA = c_G_CellConfiginfoGSM900_CellA)	
11	(trv_G_CellinfoB = c_G_CellConfiginfoGSM900_CellB)	
12	(tov_G_CellinfoC ≈ c_G_CellConfightfoGSM9DD_CellC)	

After:

	The state of the s
1	[px_GSM_BandUnderTest=tst_GSM_480Band_Test]
2	(try_G_CellinfoA := c_G_CellConfigInfoGSM480_CellA)
3	(txy_G_CellinfoB := c_G_CellConfightfoGSM480_CellB)
4	(trv_G_CellinfoC := c_G_CellConfigInfoGSM480_CellC)
5	[px_GSM_BandUnderTest=tst_GSM_450Band_Test]
6	(try_G_CellinfoA := c_G_CellConfigInfoGSM450_CellA)
7	(txy_G_CellinfoB := c_G_CellConfightfoGSM450_CellB)
8	(trv_G_CellinfoC := c_G_CellConfigInfoGSM450_CellC)
9	[(px_GSM_BandUnderTest=tsr_GSM_E_900Band_Test) OR
	(px_GSM_BandUnderTest = tsc_GSM_P_900Band_Test)]
10	(try_0_cellintoA:= c_0_cellConfigintoGSMS00_cellA:)
11	(tov_G_CellinfoB := c_G_CellConfigInfoGSM900_CellB)
12	(try_G_CellinfoC := c_G_CellConfiginfoGBM900_CellC)

4.6 Change 5

Local Tree and Test step	Constraint cr_MeasReportInterRatMeas_Event3b
Reason for change	In InterRAT Event3b result, the CellToReportList should contain the cell Id as tsc_GSM_InterRAT_CellC instead of tsc_GSM_CellC
Summary of change	1) Changed tsc_GSM_CellC to tsc_GSM_InterRAT_CellC
Source of change	New change

Before:

```
Constraint Name:
                    cr_MeasReportInterRatMeas_Event3b(
                    p_measId: INTEGER;
                    p_observedTimeDifferenceToGSM: INTEGER;
                    p_BSICReported1 : BSICReported;
                    p_BSICReported2 : BSICReported;
                    p_BSICReported3: BSICReported
Group:
PDU Name:
                    UL_DCCH_Message
Derivation Path:
Encoding Rule Name:
Encoding Variation:
Comments:
                    @SIC_NAPP
                                                                                              Constraint Value
integrityCheckInfo *,
message measurementReport:
 measurementIdentity p_measId,
 measuredResults interRATMeasuredResultsList:
  gsm:{
     gsm_CarrierRSSI?,
    dummy OMIT,
    -- pathloss OMIT,
    bsicReported p_BSICReported1,
    observedTimeDifferenceToGSM p_observedTimeDifferenceToGSM
   },
    gsm_CarrierRSSI?,
    dummy OMIT,
    -- pathloss OMIT,
    bsicReported p_BSICReported2,
    observedTimeDifferenceToGSM p_observedTimeDifferenceToGSM
   },
    gsm_CarrierRSSI?,
    dummy OMIT,
    -- pathloss OMIT,
    bsicReported p_BSICReported3,
     observedTimeDifferenceToGSM p_observedTimeDifferenceToGSM
 },
measuredResultsOnRACH OMIT,
additionalMeasuredResults OMIT,
eventResults interRATEventResults : (
 eventID
            e3b.
 cellToReportList
                  verifiedBSIC : tsc_GSM_CellC
   bsicReported
v390nonCriticalExtensions*
```

Detailed Comment

After:

```
Constraint Name:
                     cr_MeasReportInterRatMeas_Event3b(
                     p_measId: INTEGER;
                     p_observedTimeDifferenceToGSM:INTEGER;
                     p_BSICReported1 : BSICReported;
                     p_BSICReported2 : BSICReported;
                     p_BSICReported3: BSICReported
Group:
PDU Name:
                    UL_DCCH_Message
Derivation Path:
Encoding Rule Name:
Encoding Variation:
Comments:
                     @SIC_NAPP
                                                                                             Constraint Value
 integrityCheckInfo *,
 message measurementReport:
  measurementIdentity p_measId,
  measuredResults interRATMeasuredResultsList:
   gsm:{
     gsm_CarrierRSSI?,
     dummy OMIT,
     -- pathloss OMIT,
     bsicReported p_BSICReported1,
     observedTimeDifferenceToGSM p_observedTimeDifferenceToGSM
     gsm_CarrierRSSI?,
     dummy OMIT,
     -- pathloss OMIT,
     bsicReported p_BSICReported2,
     observedTimeDifferenceToGSM p_observedTimeDifferenceToGSM
    }.
     gsm_CarrierRSSI?,
     dummy OMIT,
     -- pathloss OMIT,
     bsicReported p_BSICReported3,
     observedTimeDifferenceToGSM p observedTimeDifferenceToGSM
   }
  },
  measuredResultsOnRACH OMIT,
  additionalMeasuredResults OMIT,
  eventResults interRATEventResults : {
   eventID
               e3b,
   cellToReportList
     bsicReported
                      verifiedBSIC: tsc_GSM_InterRAT_CellC
   }}
  },
  v390nonCriticalExtensions *
```

Detailed Comment:

Branches executed in test case 8.4.1.34

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

5 Execution Log Files

5.1 Nokia 3G UE 7600

The Nokia 7600 passed this test case on the Anite MultiRAT CT system. The documentation below is enclosed as evidence of the successful test case run [1]:

6 References

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

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

	CHANGE REQUEST	CR-Form-v7
ATS]	RRC CR 390	3.6.0 **
For <u>HELP</u> or	using this form, see bottom of this page or look at the pop-up text	over the \ symbols.
Proposed chang	re affects: UICC apps光 ME Radio Access Netwo	rk Core Network
Title:	Revision CR to introduce GCF P3 Test Case 8.4.1.24 to ATS	v3.6.0
Source:	光 Anritsu Ltd	
Work item code:	₩ N/A Date: ₩	18/08/2004
Category:	# B Use one of the following categories: Use one of the following categories: Use one of F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) P (editorial modification) R99 Detailed explanations of the above categories can be found in 3GPP TR 21.900. Rel-5 Rel-6	R99 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)
Reason for chan	ge: 岩 To introduce 8.4.1.24 to ATS 3.6.0	
Summary of cha	nge: 1 table modified.	
Consequences in not approved:	f	
Clauses affected	I: ₩ N/A	
Other specs affected:	Y N	
Other comments	# This is a revision for T1s040354	

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



TSG-T Working-Group 1 SWG-SIG E-Mail 2004

T1S-0404822(8.1.1. <u>8</u>\

01 Jan - 31 Dec 2004

Title Revision CR to introduce GCF P3 Test Case 8.4.1.24 to ATS v3.6.0

Source Anritsu

Agenda Item N/A

Document for Approval

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_	142105 44404 to 1112 1122000 00_50 111101	•
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1 Overview

This document details the changes required. This test case has been tested according to the configuration stated below:-

Reference document	TS 34.123-1 version 5.8.0
	TS34.108 version 5.1.0
Referenced CRs	None
Based ATS suite	iWD-TVB2003-03_D04wk31
Integrity	Enabled
Ciphering	Disabled
Path tested	CS and PS

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2 Tables added to iWD-TVB2003-03_D04wk31

None

3 Tables Modifed to iWD-TVB2003-03_D04wk31

3.1 ts_PhyChannelReconfig_NoTFCI

Reason for change:

In line 4, the cell ID used for the frequencyInfo IE is incorrect.

Changes made:

Line 4, changed Cell ID used for frequencyInfo IE from D to A.

Test Step
ts_PhyChannelReconfig_NoTFCI (p_DL_FrameType: DL_FrameType)
DPCH_CompressedModeModeSpecific/
RRC_Def1
@SIC_NAPP

aviour Description	Constraint Ref	Verdict
eActTime (tsc_CellA)		
q_DL_CompressedModeRequired		
q_UL_CompressedModeRequired		
RAB_Type = cell_DCH_Speech]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tev_CellInfoD.frequencyInfo, tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement, OMIT, OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Speech , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Speech , pl0_84, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (</pre>	

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	<pre>c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement, OMIT, OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Speech))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech , pl0_84, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
RAB_Type = CS_RAB_SRB]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN, fdd_Measurement, OMIT, OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_CS , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_CS, pl0_88, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_CS))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_CS, pl0_88, tcv_CellInfoA.uL_ScramblingCode)))	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = 6kCS_RAB_SRB]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement,</pre>	

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	OMIT, OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Streaming, tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Streaming, pl0_96, tcv_CellInfoA.uL_ScramblingCode))	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement,OMIT,OMIT, p_DL_FrameType), c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Streaming))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Streaming, pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = PS_RAB_SRB]		
M_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_PS , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_PS))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
q_UL_CompressedModeRequired		

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RAB_Type = cell_DCH_Speech]		
AM DATA REQ	cas_PhyChReconf (
711.1_D/1171_1CDQ	tsc_CellDedicated,	
	tsc RB2,	
	cs_PhyChReconf_DCH_ToDCH_NoTFCI (
	tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,	
	tcv_ActTime ,	
	tcv_CellInfoD.frequencyInfo,	
	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (
	tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement,	
	OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (
	tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Speech ,	
	-	
	tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Speech , pl0_84,	
	tcv_CellInfoA.uL_ScramblingCode))	
PHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1,	
	tcv_ActTime,	
	c_DPCHInfo_DL (c_DL_DPCHInfo (
	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (
	tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement,	
	OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (
	tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Speech))))	
CPHY_RL_Modify_CNF	ca CompressedModeInfoCNF (tsc CellA, tsc DL DPCH1)	
CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1,	
	tcv_ActTime,	
	c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech ,	
	p10_84,	
	tcv_CellInfoA.uL_ScramblingCode)))	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
	ca_compressed=locar(tsc_cerra, tsc_on_brchr)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
RAB_Type =		
CS_RAB_SRB]		
AM_DATA_REQ	cas_PhyChReconf (
	tsc_CellDedicated,	
	tsc_RB2,	
	cs_PhyChReconf_DCH_ToDCH_NoTFCI (
	tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,	
	tcv_ActTime ,	
	tcv_CellInfoA.frequencyInfo,	
	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (
	tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN, fdd_Measurement,	
	OMIT,OMIT,p_DL_FrameType) , c_DL_InformationPerRL (
	tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_CS ,	
	tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_CS, pl0_88,	
	tcv_CellInfoA.uL_ScramblingCode))	
PHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1,	
~ ~	tcv_ActTime,	
	c_DPCHInfo_DL (c_DL_DPCHInfo (
	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (
	tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN,	
	fdd_Measurement,OMIT,OMIT, p_DL_FrameType) ,	
	c_DL_DPCH_InfoPerRadioLink (
	tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_CS))))	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1,	
OLITI_ND_MOUTLY_NBQ	tcv_ActTime,	

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	c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_CS, pl0_88,	
	tcv_CellInfoA.uL_ScramblingCode)))	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = 6kCS_RAB_SRB]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Streaming, tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Streaming, pl0_96, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType), c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Streaming))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Streaming, pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = PS_RAB_SRB]		
M_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_PS , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (</pre>	

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	<pre>c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement,OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_PS))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
q_DL_CompressedModeRequired		
RAB_Type = cell_DCH_Speech]		
AM_DATA_REQ PHY_RL_Modify_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoD.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Speech , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Speech , pl0_84, tcv_CellInfoA.uL_ScramblingCode)) ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime,</pre>	
	c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement, OMIT, OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Speech))))	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech , pl1, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
RAB_Type = CS_RAB_SRB]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,</pre>	cbs.

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tcv_ActTime ,
                            tcv_CellInfoA.frequencyInfo,
                            c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (
                            tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN,
                            fdd_Measurement,OMIT,OMIT, p_DL_FrameType ) ,
                            c_DL_InformationPerRL ( tcv_CellInfoA.priScrmCode,
                            tsc_DL_DPCH1_ChC_64k_CS , tsc_SecScrmbCode5 ) ,
                            tsc_UL_DPDCH_SF_64k_CS,
                            pl0_88,
                            tcv_CellInfoA.uL_ScramblingCode ) )
PHY_RL_Modify_REQ
                            ca_CompressedModeDPCH_Info_REQ ( tsc_CellA, tsc_DL_DPCH1,
                            tcv_ActTime,
                            c_DPCHInfo_DL ( c_DL_DPCHInfo (
                            c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (
                            tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN, fdd_Measurement,
                            OMIT,OMIT, p_DL_FrameType ) , c_DL_DPCH_InfoPerRadioLink (
                            tsc SecScrmbCode5, tsc DL DPCH1 ChC 64k CS ) )) )
CPHY_RL_Modify_CNF
                            ca_CompressedModeInfoCNF ( tsc_CellA, tsc_DL_DPCH1)
CPHY_RL_Modify_REQ
                            ca_CompressedModeDPCH_Info_REQ ( tsc_CellA, tsc_UL_DPCH1,
                            tcv_ActTime,
                            c_DPCHInfo_UL ( cb_UL_DPCH_Info ( tsc_UL_DPDCH_SF_64k_CS,
                            pl0 88,
                            tcv_CellInfoA.uL_ScramblingCode) ) )
                            |ca_CompressedModeInfoCNF ( tsc_CellA, tsc_UL_DPCH1)
? CPHY RL Modify CNF
RRC_ReceivePhyChReconfCmpl
 tcv_RRC_RAB_Type )
AB_Type =
6kCS_RAB_SRB ]
                            cas_PhyChReconf (
AM_DATA_REQ
                            tsc_CellDedicated,
                            tsc RB2,
                            cs PhyChReconf DCH ToDCH NoTFCI (
                            tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,
                            tcv_ActTime ,
                            tcv_CellInfoA.frequencyInfo,
                            c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (
                            tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement,
                            OMIT,OMIT, p_DL_FrameType ) , c_DL_InformationPerRL (
                            tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Streaming ,
                            tsc_SecScrmbCode5 ) , tsc_UL_DPDCH_SF_Streaming, pl0_96,
                            tcv_CellInfoA.uL_ScramblingCode ) )
                            ca_CompressedModeDPCH_Info_REQ ( tsc_CellA, tsc_DL_DPCH1,
PHY_RL_Modify_REQ
                            tcv_ActTime,
                            c_DPCHInfo_DL ( c_DL_DPCHInfo (
                            \verb|c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode|| \\
                            tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement,
                            OMIT,OMIT, p_DL_FrameType ), c_DL_DPCH_InfoPerRadioLink (
                            tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Streaming ) )) )
                            ca_CompressedModeInfoCNF ( tsc_CellA, tsc_DL_DPCH1)
CPHY RL Modify CNF
                            ca_CompressedModeDPCH_Info_REQ ( tsc_CellA, tsc_UL_DPCH1,
CPHY_RL_Modify_REQ
                            tcv_ActTime,
                            c_DPCHInfo_UL ( cb_UL_DPCH_Info ( tsc_UL_DPDCH_SF_Streaming,
                            p10_96,
                            tcv_CellInfoA.uL_ScramblingCode) ) )
 CPHY RL Modify CNF
                            ca CompressedModeInfoCNF ( tsc CellA, tsc UL DPCH1)
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RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = PS_RAB_SRB]		
M_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT,p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_PS , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_PS))))	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
_DL_CompressedModeRequired		

Generated by Leonardo Delta 1.05 (<u>Da Vinci Communications Ltd</u>)

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

			С	HANGE	REQ	UES	Т				CR-Form-v7
*	ATS <u>T</u>	RRC 834.123	CR	391	жrev	1 1	Curre	ent vers	ion:	3.6.0	*
For <u>H</u>	ELP on	using this fo	orm, see	bottom of this	s page or	look at t	he pop-	-up text	over t	the ♯ syn	nbols.
Propose	d change	e affects:	UICC ap	pps#	ME	Radio	Access	Networ	k	Core Ne	twork
Title:	C	₭ Revision	CR to in	troduce GCF	P3 Test	Case 8.4	4.1.25 t	o ATS v	/3.6.0		
Source:	G	₭ Anritsu L	.td								
Work ite	m code:	₩ <mark>N/A</mark>					E	Oate: ૠ	18/0	8/2004	
Category	<i>:</i>	F (co A (co B (ac C (fu D (ec	rrection) erresponds ddition of f nctional m ditorial mo splanation	nodification of the dification) as of the above	n in an ear feature)		Use se)	2 R96 R97	the foll (GSM (Relea (Relea (Relea	lowing rele Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4)	eases:
Reason	or chang	ge: ♯ <mark>Toir</mark>	troduce	8.4.1.25 to A	TS 3.6.0						
Summar	y of char	nge: Ж <mark>1 tab</mark>	<mark>le modifi</mark>	ed.							
Consequence not appre		第 <mark>Test</mark>	case will	not be introd	duced.						
Clauses	affected:	± ₩ <mark>N/A</mark>									
Other sp affected:		¥ X X X	Other of Test s	core specifica pecifications Specifications	5	*					
Other co	mments:	· 第 This	s is a rev	ision for T1s0	040356						

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



TSG-T Working-Group_1 SWG-SIG E-Mail 2004

T1S-0404832(8.1.1. <u>8</u>\

01 Jan - 31 Dec 2004

Title Revision CR to introduce GCF P3 Test Case 8.4.1.25 to ATS v3.6.0

Source Anritsu

Agenda Item N/A

Document for Approval

Contact Dan Fox (Anritsu) dan.fox@eu.anritsu.com

Tel: +44 1582 433357

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_	142105 44404 to 1112 1122000 00_50 111101	•
3	Tables Modifed to iWD-TVB2003-03 D04wk31	5

1 Overview

This document details the changes required. This test case has been tested according to the configuration stated below:-

Reference document	TS 34.123-1 version 5.8.0
	TS34.108 version 5.1.0
Referenced CRs	None
Based ATS suite	iWD-TVB2003-03_D04wk31
Integrity	Enabled
Ciphering	Disabled
Path tested	CS and PS

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2 Tables added to iWD-TVB2003-03_D04wk31

None

3 Tables Modifed to iWD-TVB2003-03_D04wk31

3.1 ts_PhyChannelReconfig_NoTFCI

Reason for change:

In line 4, the cell ID used for the frequencyInfo IE is incorrect.

Changes made:

Line 4, changed Cell ID used for frequencyInfo IE from D to A.

Test Step			
ts_PhyChannelReconfig_NoTFCI (p_DL_FrameType: DL_FrameType)			
DPCH_CompressedModeModeSpecific/			
RRC_Def1			
@SIC_NAPP			

aviour Description	Constraint Ref	Verdict
eActTime (tsc_CellA)		
q_DL_CompressedModeRequired		
q_UL_CompressedModeRequired		
RAB_Type = cell_DCH_Speech]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tev_CellInfoD.frequencyInfo, tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement, OMIT, OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Speech , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Speech , pl0_84, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (</pre>	

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	<pre>c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement, OMIT, OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Speech))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech , pl0_84, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
RAB_Type = CS_RAB_SRB]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN, fdd_Measurement, OMIT, OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_CS , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_CS, pl0_88, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_CS))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_CS, pl0_88, tcv_CellInfoA.uL_ScramblingCode)))	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = 6kCS_RAB_SRB]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement,</pre>	

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	OMIT, OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Streaming, tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Streaming, pl0_96, tcv_CellInfoA.uL_ScramblingCode))	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement,OMIT,OMIT, p_DL_FrameType), c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Streaming))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Streaming, pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = PS_RAB_SRB]		
M_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_PS , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_UL_DLCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_PS))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
q_UL_CompressedModeRequired		

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RAB_Type = cell_DCH_Speech]		
AM DATA REQ	cas_PhyChReconf (
711.1_D/1171_1CDQ	tsc_CellDedicated,	
	tsc RB2,	
	cs_PhyChReconf_DCH_ToDCH_NoTFCI (
	tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,	
	tcv_ActTime ,	
	tcv_CellInfoD.frequencyInfo,	
	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (
	tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement,	
	OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (
	tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Speech ,	
	-	
	tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Speech , pl0_84,	
	tcv_CellInfoA.uL_ScramblingCode))	
PHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1,	
	tcv_ActTime,	
	c_DPCHInfo_DL (c_DL_DPCHInfo (
	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (
	tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement,	
	OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (
	tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Speech))))	
CPHY_RL_Modify_CNF	ca CompressedModeInfoCNF (tsc CellA, tsc DL DPCH1)	
CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1,	
	tcv_ActTime,	
	c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech ,	
	p10_84,	
	tcv_CellInfoA.uL_ScramblingCode)))	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
	ca_compressed=locar(tsc_cerra, tsc_on_brchr)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
RAB_Type =		
CS_RAB_SRB]		
AM_DATA_REQ	cas_PhyChReconf (
	tsc_CellDedicated,	
	tsc_RB2,	
	cs_PhyChReconf_DCH_ToDCH_NoTFCI (
	tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,	
	tcv_ActTime ,	
	tcv_CellInfoA.frequencyInfo,	
	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (
	tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN, fdd_Measurement,	
	OMIT,OMIT,p_DL_FrameType) , c_DL_InformationPerRL (
	tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_CS ,	
	tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_CS, pl0_88,	
	tcv_CellInfoA.uL_ScramblingCode))	
PHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1,	
~ ~	tcv_ActTime,	
	c_DPCHInfo_DL (c_DL_DPCHInfo (
	c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (
	tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN,	
	fdd_Measurement,OMIT,OMIT, p_DL_FrameType) ,	
	c_DL_DPCH_InfoPerRadioLink (
	tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_CS))))	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1,	
OLITI_ND_MOUTLY_NBQ	tcv_ActTime,	

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	c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_CS, pl0_88,	
	tcv_CellInfoA.uL_ScramblingCode)))	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = 6kCS_RAB_SRB]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Streaming, tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Streaming, pl0_96, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType), c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Streaming))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Streaming, pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = PS_RAB_SRB]		
M_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_PS , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (</pre>	

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	<pre>c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_ULCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement,OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_PS))))</pre>	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
q_DL_CompressedModeRequired		
RAB_Type = cell_DCH_Speech]		
AM_DATA_REQ PHY_RL_Modify_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoD.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Speech , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_Speech , pl0_84, tcv_CellInfoA.uL_ScramblingCode)) ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime,</pre>	
	c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (tsc_DL_DPCH1_SFP_Speech, 1, tcv_TGCFN, fdd_Measurement, OMIT, OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Speech))))	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech , pl1, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
RAB_Type = CS_RAB_SRB]		
AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,</pre>	cbs.

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```
tcv_ActTime ,
                            tcv_CellInfoA.frequencyInfo,
                            c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (
                            tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN,
                            fdd_Measurement,OMIT,OMIT, p_DL_FrameType ) ,
                            c_DL_InformationPerRL ( tcv_CellInfoA.priScrmCode,
                            tsc_DL_DPCH1_ChC_64k_CS , tsc_SecScrmbCode5 ) ,
                            tsc_UL_DPDCH_SF_64k_CS,
                            pl0_88,
                            tcv_CellInfoA.uL_ScramblingCode ) )
PHY_RL_Modify_REQ
                            ca_CompressedModeDPCH_Info_REQ ( tsc_CellA, tsc_DL_DPCH1,
                            tcv_ActTime,
                            c_DPCHInfo_DL ( c_DL_DPCHInfo (
                            c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (
                            tsc_DL_DPCH1_SFP_64k_CS, 1, tcv_TGCFN, fdd_Measurement,
                            OMIT,OMIT, p_DL_FrameType ) , c_DL_DPCH_InfoPerRadioLink (
                            tsc SecScrmbCode5, tsc DL DPCH1 ChC 64k CS ) )) )
CPHY_RL_Modify_CNF
                            ca_CompressedModeInfoCNF ( tsc_CellA, tsc_DL_DPCH1)
CPHY_RL_Modify_REQ
                            ca_CompressedModeDPCH_Info_REQ ( tsc_CellA, tsc_UL_DPCH1,
                            tcv_ActTime,
                            c_DPCHInfo_UL ( cb_UL_DPCH_Info ( tsc_UL_DPDCH_SF_64k_CS,
                            pl0 88,
                            tcv_CellInfoA.uL_ScramblingCode) ) )
                            |ca_CompressedModeInfoCNF ( tsc_CellA, tsc_UL_DPCH1)
? CPHY RL Modify CNF
RRC_ReceivePhyChReconfCmpl
 tcv_RRC_RAB_Type )
AB_Type =
6kCS_RAB_SRB ]
                            cas_PhyChReconf (
AM_DATA_REQ
                            tsc_CellDedicated,
                            tsc RB2,
                            cs PhyChReconf DCH ToDCH NoTFCI (
                            tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,
                            tcv_ActTime ,
                            tcv_CellInfoA.frequencyInfo,
                            c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (
                            tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement,
                            OMIT,OMIT, p_DL_FrameType ) , c_DL_InformationPerRL (
                            tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Streaming ,
                            tsc_SecScrmbCode5 ) , tsc_UL_DPDCH_SF_Streaming, pl0_96,
                            tcv_CellInfoA.uL_ScramblingCode ) )
                            ca_CompressedModeDPCH_Info_REQ ( tsc_CellA, tsc_DL_DPCH1,
PHY_RL_Modify_REQ
                            tcv_ActTime,
                            c_DPCHInfo_DL ( c_DL_DPCHInfo (
                            \verb|c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode|| \\
                            tsc_DL_DPCH1_SFP_Streaming, 1, tcv_TGCFN, fdd_Measurement,
                            OMIT,OMIT, p_DL_FrameType ), c_DL_DPCH_InfoPerRadioLink (
                            tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_Streaming ) )) )
                            ca_CompressedModeInfoCNF ( tsc_CellA, tsc_DL_DPCH1)
CPHY RL Modify CNF
                            ca_CompressedModeDPCH_Info_REQ ( tsc_CellA, tsc_UL_DPCH1,
CPHY_RL_Modify_REQ
                            tcv_ActTime,
                            c_DPCHInfo_UL ( cb_UL_DPCH_Info ( tsc_UL_DPDCH_SF_Streaming,
                            p10_96,
                            tcv_CellInfoA.uL_ScramblingCode) ) )
 CPHY RL Modify CNF
                            ca CompressedModeInfoCNF ( tsc CellA, tsc UL DPCH1)
```

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RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
AB_Type = PS_RAB_SRB]		
M_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cs_PhyChReconf_DCH_ToDCH_NoTFCI (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime , tcv_CellInfoA.frequencyInfo, c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT,p_DL_FrameType) , c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_PS , tsc_SecScrmbCode5) , tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode))</pre>	
PHY_RL_Modify_REQ	ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_DL_DPCH1, tcv_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH_InterFreqMeas_DLCompMode (tsc_DL_DPCH1_SFP_64k_PS, 1, tcv_TGCFN, fdd_Measurement, OMIT,OMIT, p_DL_FrameType) , c_DL_DPCH_InfoPerRadioLink (tsc_SecScrmbCode5, tsc_DL_DPCH1_ChC_64k_PS))))	
CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_DL_DPCH1)	
CPHY_RL_Modify_REQ	<pre>ca_CompressedModeDPCH_Info_REQ (tsc_CellA, tsc_UL_DPCH1, tcv_ActTime, c_DPCHInfo_UL (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS , pl0_96, tcv_CellInfoA.uL_ScramblingCode)))</pre>	
? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
RRC_ReceivePhyChReconfCmpl tcv_RRC_RAB_Type)		
_DL_CompressedModeRequired		

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CHANGE REQUEST			
^ж TS 34	.123-3 CR 392 # rev - # C	urrent version: 3.6.1	
For <u>HELP</u> on usin	ng this form, see bottom of this page or look at the p	op-up text over the 🛱 symbols.	
Proposed change aff	fects: UICC apps器 ME Radio Acce	ess Network Core Network	
Title: 第 A	ddition of NAS test case 9.4.7 to NAS ATS V3.6.0		
Source: # R	ohde & Schwarz		
Work item code:	I/A	Date: 第 24/08/2004	
D		Pelease: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	
Reason for change:	★ To add verified GCF package 3 NAS test case 9 V3.6.0	.4.7 to the approved NAS ATS	
Summary of change:	Summary of change: This document lists all changes applied to test case 9.4.7 required for approval. See detailed change description for further information.		
Consequences if not approved:	# Test case will not be added to ATS		
Clauses affected:	₩ N/A		
Other specs affected:	Y N X Other core specifications Test specifications O&M Specifications		
Other comments:	策 This document is a revision of T1s040368. Claus	se 4.4.3 has been modified.	

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 \(\mathcal{H} \) 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" of just in front of the clau which are not relevant	disabled, paste the entilese containing the first parts to the change request.	re CR form (use CTRI piece of changed text.	A to select it) into the sp Delete those parts of the	pecification e specification

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

Title: Changes to test case 9.4.7 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.7 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.

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3 Verification Test Summary

Test Case: TC_9_4_7

Test Group: MM/ LocationUpdating /

Accept_with_replacement_or_deletion_of_Equivalent_PLMN_list

ATS Version: iWD-TVB2003-03_D04wk26 + essential modifications

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

UE used: Nokia 7600 & Motorola A835

Verification Status: PASS

4 Corrections required for test case 9.4.7

4.1 Introduction

This section describes the changes required to make test case 9.4.7 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk26.mp which is part of the iWD-TVB2003-03_D04wk26 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.7:

WA#NAS4395, WA#NAS4426 & WA#NAS4427

4.2 ts_GMM_DetachOnSwitchOff (WA#NAS4453)

Test step name ts_GMM_DetachOnSwitchOff

Reason for change PS detach would be performed in an NMO_II test case, if ATT Flag is OFF

Summary of change Added (tcv_TmpCellInfo.attFlag = tsc_AttOff)

Source of change New change

Label WA#NAS4453

2	[pc_SwitchOnOff]	UE can actually be switch ed off
3	+ts_SetTmpCellinfo (p_Cellid)	Get Cellinfo to be used la ter
4	+it_Init_RRC_RetStatus	
5	*ts_MMI_UE_SwitchOff	
6	+ts_RRC_ConnEst(p_Cellid, est_MO, detach)	
7	(ftry TmpCellinfo.nmo = tsc_NMO_I())	ATT flag is not set, only GPRS detach is req uired www.nas.4463
0	+lt_Detach_PSonly	
9	+ts_RRC_ConnRel_AfterSwitchOff(p_Cellid, tcv_RRC_RelS tatus)	
10	[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellinfo.nma = tsc_NMO_())	If UE is in operation mode e A and network mode of operation is I, then run combined PS/C S procedures.
11	+It_Detach_NMO_I	

4.3 c_EPLMN_List2 (WA#NAS4610)

Test step name c_EPLMN_List2

Reason for change Incorrect MNC ID used for PLMN 1 of test case 9.4.7

Summary of change Replaced "tsc_MNC_Def" with "tsc_MNC_010"

Source of change New change

Label WA#NAS4610

Constraint Name:	c_EPLMN_List2
Group:	
Type Name:	PLMN_List
Derivation Path:	
Encoding Variation:	
Comments:	

Element Name	Element Value	Type Encoding	Comments
iei	'01001010'B		
iel	'03'0		
plmn1	o_ConvtPLMN(tsc_MCC_Def_tsc_MNC_010)		PLMN 1 1.
			WAMNAS4610
plmn2	-		PLMN 2
plmn3			PLMN 3
plmn4			PLMN 4
plmn5	-		PLMN 5

4.4 tc_9_4_7

4.4.1 WA#NAS4600

Test step name tc_9_4_7

Reason for change Guard timer too short

Source of change New change

Label WA#NAS4600

	111	Behaviour Description	Constraint Ref	 Comments
1		START (_Guarr (10 ³ 60)		Test takes 7 minutes at least
		ate to Milestokia a		WARNAS4600
2		+ts_InifVariables		
3		+ts_MM_SetNMO_II		Set the NMO for all cells to N MO II @SIC EW ER 1586 SIC @
4		(tcv_CN_Domain:= cs_domain, tcv_NumOtPLMNt=2)		Sets domain for testing and i nitializes the number of PLM Ns

4.4.2 WA#NAS4345

Test step name tc_9_4_7

Reason for change TTCN Error: IE "mcc" should be used, as "mnc" has already been assigned

correctly

Source of change New change

Label WA#NAS4345

2	+ts_InitVariables	
3	+ts_MM_SetNMO_II	Set the NMO for all cells to N MO II @SIC EW ER 1586 SIC @
4	(tcv_CN_Domain:= cs_domain, tcv_NumOfPLMN:=2)	Sets domain for testing and initializes the number of PLM Ns
5	(tcv_CellinfoD.attenuationLevel.=tsc_AttenuationSuitableNei ghbourCell, tcv_CellinfoD.mcc=tsc_MCC_022, tcv_CellinfoD.mcc=tsc_MNC_2, tcv_CellinfoD.lac:=tsc_LAC_2)	Set specific values for Cell D NOV#NAS4345
6	+ts_MM_StartCelID	Start cell D
7	(try_CellinfoA.attenuationLevet.=tsc_AttenuationNonSuitable eNeighbourCell, tcy_CellinfoA.mnc:=tsc_MNC_010)	Set specific values for Cell A
8	+ts_MM_StartCellA	Start neighbour cell A

4.4.3 WA#NAS4601

Test step name tc_9_4_7

Reason for change Because the CPICH Ec/No = -3 db (3.4 db) in cell A

Squal = Qqualmeas - Qqualmin = CPICH Ec/No - (-24) = -3 - (-24) = 21.

Sintersearch is set to 16 (8 x 2) in SIB3 and SIB4.

As Squal > Sintersearch, (21 > 16) the UE does not measure cell D, and

therefore does not go to cell D.

We suggest to set Qqualmin to -16 in 9.4.7.

Therefore Squal will work out to be \Rightarrow -3 – (-16) = 13

As a result Squal < SIntersearch, (13 < 16) & the UE would reselect to Cell D.

Summary of change Added local test step "lt_ChangeSIB3and4" with Qqualmin changed to -16,

similar to test case from TC_9_4_2_3

Source of change New change

Label Formerly WA#NAS4601, now T1s040368

5	+ts_MM_StartCetD	Start call D
	@cv_CellinfoA attenuationLevelintoc_AttenuationNonGuitableNeighbourCell, tev_CellinfoAmncintse_MMC_018)	Set specific values for Cell A
	*Pi AM Charles A	Start neighbour cell A
	GH, Change SBD3and4	@SIC EWITH::040388 SIC@ @SIC EWIER1955 SIC@
D	-ts_ideOpdated(tsc_CellD)	Idle Updated on Cell D
1	*R_DwitchOff	@SIC EWT1=040368 SIC@
2	(br_MM_TesExecution = TRUE)	MM test execution starting again DW ER 1520 SIO ag
3	+It_Body	
4	+po_ConnectionAndSS_Reis	Release all resources
Bod		

It_Cha	nge8B3and4	
36	+ to_UTRAN_0ERAN_Parainit(toc_CollA)	@8IC EW T1 s 040368 BIC@
37	- ts_CellDependentPara (tsc_CellA)	
38	(fcx_SIB3.cellSelectPesellectInfo.modeSpecificInfo.fdd.q_GualMin >= -16)	
39	(trv_SBA cellSelectReselectinto.modeSpecificinto.fdd.q_GuaRtin = -16)	ggic EWER1955 SIGg
40	 ts_SysinfoModifySiB3_And4_RRC (tsc_CellA, tov_SiB3, tov_SiB4, tsc_Now) 	
41	+ ts_UTRAN_GERAN_Parainit(tsr_CellD)	
42	+ to_CellDependentPara (toc_CellD.)	
43	(tov_SIB3.cellSelectPesatectInfo.modeSpecificInfo.flst.q_Gualifin >= 16)	
44	(fcv_SIS4.cellSetecFtersetecfinfo.modeSpecificInfo.fdd.q_Guafffin >= -16)	gisic EW ER1955 SICg
45	 ts_SystetoRoditySt03_And4_RRC (tsc_CelD, tsv_St03, tsv_St04, tsc_Now) 	

4.4.4 WA#NAS4602

Test step name tc_9_4_7

test body.

Summary of change Added local test step "It_SwitchOff" to handle CS & PS detach procedures

Source of change New change

Label WA#NAS4602

7	(tcv_CellinfoA attenuationLevel:=tsc_AttenuationNonSuitabl	Set specific values for Cell A
	eNeighbourCell,	
	tcv_CellinfoA.mnc:=tsc_MNC_010)	
8	+ts_MM_StartCellA	Start neighbour cell A.
9	+It_ChangeSIB3	WA#NAS4601
10	*ts_IdleUpdated(tsc_CellD)	Idle Updated on Cell D
11	+lt_SwitchOff	WA#NAS4602
12	(tcv_MM_TestExecution := TRUE)	MM test execution starting
		@SIC EW ER 1520 SIC @
13	+It_Body	
14	+po_ConnectionAndSS_Rels	Release all resources
lt_Bo	dy	

It_SwitchOff						
48	[pc_PS]			WA#NAS4602		
47	+ts_GMM_DetachOnSwitchOff(tsc_CellD)					
48	[pc_PS=FALSE]					
49	+ts_MM_IMSI_Detach(tsc_CellD, tsc_USIM_NeedRmw)					

4.4.5 WA#NAS4609

Test step name tc_9_4_7

performed by the UE

Summary of change Removed all occurences of test steps "ts_GMM_PrepRAU" &

"ts_GMM_RAU_Accept" in the test body

Source of change New change

5 Branches executed in test case 9.4.7

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

6 Execution Log Files

6.1 Nokia 7600

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

Execution log files 9_4_7_Logs-Nokia-CS\Index.html
 Execution log files 9_4_7_Logs-Nokia-PS\Index.html

These 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_7-pics-pixit-Nokia-CS.html
 HTML file containing all PICS/PIXIT parameters used for testing the CS mode
- PICS/PIXIT file 9_4_7-pics-pixit-Nokia-PS.html
 HTML file containing all PICS/PIXIT parameters used for testing the PS mode

6.2 Motorola A835

The Motorola A835 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_7_Logs-Motorola-CS\Index.html
 Execution log files 9_4_7_Logs-Motorola-PS\Index.html

These 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_7-pics-pixit-Motorola-CS.html
 HTML file containing all PICS/PIXIT parameters used for testing the CS mode
- PICS/PIXIT file 9_4_7-pics-pixit-Motorola-PS.html
 HTML file containing all PICS/PIXIT parameters used for testing the PS mode

7 References

[1] T1s040369

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file