Technical Specification Group Terminals Meeting #24, Seoul, Korea, 2 - 4 June 2004

Source:	T1
Title:	CR's to TS 34.123-3 v.3.4.0, v.3.5.1 and v.3.5.2, TTCN category B
	for approval
Agenda item:	5.1.3
Document for:	Approval

This document contains the CR's to TS 34.123-3 v.3.4.0, v.3.5.1 and v.3.5.2, TTCN category B. These CRs have been agreed by T1 and are put forward to TSG T for approval.

doc #	title	cat	version in	version out	CR #
T1s040295	Addition of MAC test case 7.1.3.1 to MAC ATS V3.5.1	В	3.5.1	3.6.0	255
T1s040254	Addition of RAB test case 14.2.49.1 to RAB ATS V3.5.1	В	3.5.1	3.6.0	256
T1s040252	Addition of GCF P1 test case 8.4.1.2 to RRC ATS V3.5.1	В	3.5.1	3.6.0	257
T1s040285	Addition of GCF P3 test case 8.4.1.31 to RRC ATS v3.5.1	В	3.5.1	3.6.0	260
T1s040283	Revised CR for addition of GCF P2 test case 12.4.2.2 to NAS ATS V3.5.1	В	3.5.1	3.6.0	261
T1s040262	Addition of RRC test case 8.3.2.11 to RRC ATS V3.5.1	В	3.5.1	3.6.0	262
T1s040260	Addition of RRC test case 8.4.1.30 to RRC ATS V3.5.1	В	3.5.1	3.6.0	263
T1s040258	Addition of RRC test case 8.4.1.29 to RRC ATS V3.5.1	В	3.5.1	3.6.0	264
T1s040249	Addition of RAB test case 14.2.7a to RAB ATS V3.5.1	В	3.5.1	3.6.0	265
T1s040247	Addition of RAB test case 14.2.5a to RAB ATS V3.5.1	В	3.5.1	3.6.0	266
T1s040245	Addition of RAB test case 14.2.4a to RAB ATS V3.5.1	В	3.5.1	3.6.0	267
T1s040266	Addition of GCF P1 test case 12.4.1.1a to NAS ATS V3.5.1	В	3.5.1	3.6.0	268
T1s040237	Test Case 13.2.1.1	В	3.5.1	3.6.0	269
T1s040234	Addition of GCF P3 test case 10.1.2.6.6 to NAS ATS V3.4.0	В	3.4.0	3.6.0	270
T1s040233	Addition of GCF P3 test case 10.1.2.7.2 to NAS ATS V3.4.0	В	3.4.0	3.6.0	271
T1s040231	Addition of GCF P3 test case 10.1.2.5.5 to NAS ATS	В	3.4.0	3.6.0	272

T1s040232	Addition of GCF P3 test case 10.1.2.6.2 to NAS ATS V3.4.0	В	3.4.0	3.6.0	273
T1s040230	Addition of GCF P3 test case 10.1.2.4.10 to NAS ATS V3.4.0	В	3.4.0	3.6.0	274
T1s040229	Addition of GCF P3 test case 10.1.2.3.3 to NAS ATS V3.4.0	В	3.4.0	3.6.0	275
T1s040226	Addition of NAS test case 8.3.1.2 to RRC ATS V3.4.0 (revision of T1-031735)	В	3.4.0	3.6.0	276
T1s040227	Addition of NAS test case 8.3.1.5 to RRC ATS V3.4.0 (revision of T1-031807)	В	3.4.0	3.6.0	277
T1s040228	Addition of NAS test case 8.3.1.6 to RRC ATS V3.4.0 (revision of T1-031809)	В	3.4.0	3.6.0	278
T1s040225	Addition of GCF P3 test case 14.2.12 to RAB ATS V3.4.0	В	3.4.0	3.6.0	279
T1s040222	Addition of NAS test case 10.1.3.3.1 to NAS ATS V3.4.0 (Revision of T1s040170)	В	3.4.0	3.6.0	280
T1s040223	Addition of RRC test case 8.1.10.1 to RRC ATS V3.4.0	В	3.4.0	3.6.0	281
T1s040215	Addition of GCF P2 test case 8.4.1.18 to RRC ATS V3.4.0	В	3.4.0	3.6.0	282
T1s040216	Addition of GCF P2 test case 8.4.1.19 to RRC ATS V3.4.0	В	3.4.0	3.6.0	283
T1s040213	Addition of NAS test case 10.1.3.5.6 to NAS ATS V3.4.0	В	3.4.0	3.6.0	284
T1s040209	Addition of NAS test case 10.1.2.2.2 to NAS ATS V3.4.0	В	3.4.0	3.6.0	285
T1s040207	Addition of RRC test case 8.4.1.26 to RRC ATS V3.4.0	В	3.4.0	3.6.0	286
T1s040205	Addition of GCF P1 test case 8.4.1.3 to RRC ATS V3.4.0	В	3.4.0	3.6.0	287
T1-040084	Addition of RRC test case 8.3.7.3 to RRC ATS V3.4.0	В	3.4.0	3.6.0	288
T1s040204	Introducing package 2 test case 8.3.1.10 to RRCv340 (revision of T1-031739)	В	3.4.0	3.6.0	289
T1s040203	Introducing package 2 test case 8.3.1.9 to RRCv340 (revision of T1-031737)	В	3.4.0	3.6.0	290
T1s040178	Addition of NAS test case 10.1.2.1.1 to NAS ATS V3.4.0	В	3.4.0	3.6.0	291
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T1s040055	Addition of RAB test case 14.2.14.1 to RAB ATS V3.4.0	В	3.4.0	3.6.0	299
T1s040057	Addition of RAB test case 14.2.14.2 to RAB ATS V3.4.0	В	3.4.0	3.6.0	300

V3.4.0

T1s040059	Addition of RAB test case 14.2.15 to RAB ATS V3.4.0	В	3.4.0	3.6.0	301
T1s040061	Addition of RAB test case 14.2.16 to RAB ATS V3.4.0	В	3.4.0	3.6.0	302
T1s040063	Addition of RAB test case 14.2.17 to RAB ATS V3.4.0	В	3.4.0	3.6.0	303
T1s040053	Addition of RAB test case 14.2.13.2 to RAB ATS V3.4.0	В	3.4.0	3.6.0	304
T1s040129	Addition of NAS test case 10.1.2.4.9 to NAS ATS V3.4.0	В	3.4.0	3.6.0	305
T1s040121	Addition of NAS test case 10.1.2.4.4 to NAS ATS V3.4.0	В	3.4.0	3.6.0	306
T1s040123	Addition of NAS test case 10.1.2.4.6 to NAS ATS V3.4.0	В	3.4.0	3.6.0	307
T1s040139	Addition of NAS test case 10.1.2.6.3 to NAS ATS V3.4.0	В	3.4.0	3.6.0	308
T1s040099	Addition of NAS test case 10.1.2.4.7 to NAS ATS V3.4.0	В	3.4.0	3.6.0	309
T1s040101	Addition of NAS test case 10.1.2.4.8 to NAS ATS V3.4.0	В	3.4.0	3.6.0	310
T1s040107	Addition of NAS test case 10.1.2.9.1 to NAS ATS V3.4.0	В	3.4.0	3.6.0	311
T1s040091	Addition of NAS test case 10.1.2.3.1 to NAS ATS V3.4.0	В	3.4.0	3.6.0	312
T1s040093	Addition of NAS test case 10.1.2.4.3 to NAS ATS V3.4.0	В	3.4.0	3.6.0	313
T1s040080	Addition of NAS test case 9.4.2.3 to NAS ATS V3.4.0	В	3.4.0	3.6.0	314
T1s040023	Addition of NAS test case 9.4.8 to NAS ATS V3.4.0	В	3.4.0	3.6.0	315
T1s040016	Addition of NAS test case 12.6.1.2 to NAS ATS V3.4.0	В	3.4.0	3.6.0	316
T1s040330	Revised CR for P3 NAS test case 13.2.2.1 to NAS ATS V3.5.1 (revision of T1-040239	В	3.5.1	3.6.0	258
T1s040331	Revised CR for P3 NAS test case 13.2.2.2 to NAS ATS V3.5.1 (revision of T1-040241)	В	3.5.1	3.6.0	259

	CHANGE REQUEST	CR-Form-v7
<sup>#</sup> TS 3	<mark>4.123-3</mark> CR <mark><sup>255</sup> </mark>	urrent version: <b>3.5.1</b> <sup>#</sup>
For <mark>HELP</mark> on us	ing this form, see bottom of this page or look at the p	op-up text over the # symbols.
Proposed change a	ffects: UICC apps # ME Radio Acce	ess Network Core Network
Title: #	Addition of MAC test case 7.1.3.1 to MAC ATS V3.5.	1
Source: ೫	Rohde & Schwarz	
Work item code: <b>%</b>	N/A	<i>Date:</i> ೫ <u>17/05/2004</u>
Category: #	B R Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u> .	Pelease: #       R99         Use <u>one</u> of the following releases:       2         (GSM Phase 2)       R96         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	V3.5.1	.1.3.1 to the approved MAC ATS
Summary of chang	e: #	
Consequences if not approved:	# Test case will not be added to ATS	
Clauses affected:	₩ <mark>N/A</mark>	
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications	
Other comments:	ж	

#### How to create CRs using this form:

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

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

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

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

## Tdoc #T1s040295

Title:	Approval of test case 7.1.3.1
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 the various branches & execution details needed to verify the TTCN implementation of test case 7.1.3.1 which is part of the MAC test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

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## **3 Verification Test Summary**

Test Case:	TC_7_1_3_1
Test Group:	MAC/ PriorityHandlingBetweenDataFlowsOfOneUE
ATS Version:	iWD-TVB2003-03_D04wk15 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Branches executed in test case 7.1.3.1

The test case implementation executed the PS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and AutoAttach off.

## 5 Execution Log Files

#### 5.1 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 7\_1\_3\_1\_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 7\_1\_3\_1-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

#### 5.2 Ericsson 3G UE U100

The Ericsson U100 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- Execution log files 7\_1\_3\_1\_Logs-Ericsson\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 7\_1\_3\_1-pics-pixit-Ericsson.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 6 References

#### [1] T1s040296

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

	CHANGE REQUEST	CR-Form-v7
<sup>ж</sup> ТS 3	<b>34.123-3</b> CR <sup>256</sup> <b># rev</b> <sup>-</sup> <b>#</b> Current version: <b>3.</b>	<mark>5.1</mark> <sup>ж</sup>
For <u>HELP</u> on u	ising this form, see bottom of this page or look at the pop-up text over the	ж symbols.
Proposed change a	affects: UICC apps# ME Radio Access Network Co	ore Network
Title: #	Addition of RAB test case 14.2.49.1 to RAB ATS V3.5.1	
Source: ೫	Rohde & Schwarz	
Work item code: ¥	N/A Date: # 12/05/2	2004
Category: # Reason for change Summary of chang	B       Release: % R99         Use one of the following categories:       Use one of the following categories:         F (correction)       2         A (corresponds to a correction in an earlier release)       R96         B (addition of feature),       R97         C (functional modification of feature)       R98         D (editorial modification)       R99         Detailed explanations of the above categories can       Rel-4         be found in 3GPP TR 21.900.       Rel-5         e: % To add verified GCF package 3 RAB test case 14.2.49.1 to the app ATS V3.5.1         ge: % This document lists all changes applied to test case 14.2.49.1 requi approval.         See detailed change description for further information.	ing releases: ase 2) 1996) 1997) 1998) 1999) 4) 5) 6) roved RAB
Consequences if not approved:	# Test case will not be added to ATS	
Clauses affected:	ж <mark>N/A</mark>	
Other specs affected:	Y       N         X       Other core specifications       #         X       Test specifications       #         X       O&M Specifications       #	
Other comments:	¥	

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

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

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

Changes to test case 14.2.49.1 required for approval
Rohde & Schwarz
TTCN Issues
Approval
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 14.2.49.1 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_49_1
Test Group:	RAB/CombinationOnDPCH/ConvSpeech_ConvUnknown/
ATS Version:	iWD-TVB2003-03_D04wk15 + 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 14.2.49.1

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.49.1 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\_wk15.mp which is part of the iWD-TVB2003-03\_D04wk15 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 14.2.49.1:

WA#RAB4021, WA#RAB4106, WA#RAB4107, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4116, WA#RAB4188, WA#RAB4275, WA#RAB4276, WA#RAB4277, WA#RAB4278, WA#RAB4279, WA#RAB4280, WA#RAB4281, WA#RAB4283, WA#RAB4284, WA#RAB4285, WA#RAB4286, WA#RAB4287, WA#RAB4289, WA#RAB4291, WA#RAB4294, WA#RAB4295, WA#RAB4296, WA#RAB4297, WA#RAB4299, WA#RAB4301, WA#RAB4302, WA#RAB4303, WA#RAB4304, WA#RAB4305, WA#RAB4306, WA#RAB4307, WA#RAB4308, WA#RAB4309, WA#RAB4310, WA#RAB4311, WA#RAB4312 and WA#RAB4333.

#### 4.2 cb\_RAB\_InfoListTM4 (WA#RAB4118)

Test step name	cb_RAB_InfoListTM4
Reason for change	According to the prose, the discard timer should be 100ms for RB13.
Summary of change	Used "c_RLC_InfoTM_Def_Seg_False" instead of "c_RLC_InfoTM_Def"
Source of change	New Change
Label	WA#RAB4118

S	ASN 1 Type Constraint Declaration
ConstraintName	cb_RAB_infoListTW4 (p_ReEstTimer Re_EstablishmentTimer; p_RAB_id, p_RAB_id2: BitTSTRINO)
Oroug:	
Type Name	HAB_INDIMADORSHUP LIT
Central on Parts	
Encouring variation.	1414#ED-b D #1+0
Contention	Pretricatio
12	Constraint Value
tr_DomainIden re_Establishme h_internationBe rb_internati	By EL_domain, nfTimer p_ReEstTimer htpLint(I =AB_intermationSetupLiet RB13, , , dr_ints_c_RLC_inteTM_Ded_Seg_Failed ed_=AB_MappingOption semetMappings enalogicalChannel( AChanneTType dim: tor_UL_DCH4, meldenthy OMT, configured NULL, aChannelFinothe7 termelMappingUint){ arChannelFipe dim: tar_DL_DCH4, meldenthy OMT

## 4.3 c\_DCH\_148\_TFS\_DL\_rm192 (WA#RAB4293)

Test step name	c_DCH_148_TFS_DL_rm192
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 (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 original "c_DCH_148_TFS_DL" the RM attribute used is 170 which is wrong.
Summary of change	Created new contraint "c_DCH_148_TFS_DL_rm192" based in "c_DCH_148_TFS_DL" with RM attribute set to 192.
Source of change	New Change
Label	WA#RAB4293

Concernation of the second	ASN.1 Type Constraint Declaration
Constraint Name	E_DCH_148_TFR_DK_IM182
Type Name Derivation Path	CommonOrDedisatedTFB
Encoding Variation Comments	transport format set for signalling bearer on dedicated channel
	Wx#R4E4293
	ConstraintValue
ti ti 40 il ti_Ste 148, numberOffbiStatist (pers : NULL_one : NULL), togkalChanneList aRSizes : NULL I. Bernistatis TF_leformation ( channelCodingType convolutional third, nateMatchingAtitude 192, er_Stat crc16 )	

## 4.4 ts\_5DCH\_ModifySpeech\_12\_2k\_ConvUnknown\_64k\_20 (WA#RAB4298)

Test step name	ts_5DCH_ModifySpeech_12_2k_ConvUnknown_64k_20
Reason for change	Wrong RM attribute for the DL in the local configuration.
Summary of change	Used new created constraint "c_DCH_148_TFS_DL_rm192" (see point 4.3) instead of "c_DCH_148_TFS_DL"
Source of change	New Change
Label	WA#RAB4298

5	111 M 1 A 1	and a survey of the second	Test Step	marine and		
Test Step M Test Step Group Ref Objective Defaults Commerce		In_SDCH_NodHySpeech_1 mattin, p_UL_DPCH_Infli RB_Steps/RB_Configurate to configure physical channel into configure physical channel into the conversational ( spe- int/Otherwise F at costc: NAPP	_SDCH_Modit/Speech_12_2k_ConvUnknown_64k_20 (p_Cellid : NTEGER, p_ActTime ActivationTime; p_DL_Commoninformation : DL_Commoninfor ation, p_UL_DPCH_tells_UL_DPCH_pinb ) B_StepsRB_Configuration/ isonfigure physical channel DPCH1 and connect DCH1,DCH2,DCH3,DCH4 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map DTCH3uthflow#1),DTCH3uthflow#20, DTCH3ubflow#20, DTCH4 to the DCH1,DCH3,DCH3, and DCH4. transport channel respectively. Us after Conversational respective/UL12.2 DL12.2 kbps / CS RAB + Conversational / unknown / UL54 DL 64 kbps / CS RAB / 30 ms TTI dDTemviseFad RDC NAPP			
10	- He	harour Description	ConstantRef	Commenta		
1	In PAT = P	1d				
2	2 CPHYCPHY_RL_Modily_REQ		ra_OL_DPCH_ModifyInfo(p_Cellid, tac_DL_DPCH1, s_DL_DPCH_Info dsc_Sh(32, p_DL_Commoninform ation.txv_TmpCellinfo.dl_DPCH_2ng6srCode(,p_AcfTime)	<b>t</b>		
3	CPHYTCPI	HY_RL_Modify_CNF	ca_RL_ModifyCritip_Callid, tac_DL_DPCH1)	and the second second		
4	4 OPHYICPHY_TICH_Config_REG		sa_5_DCH_0_To47_DL_info (p_C4804, tac_DL_DPCH1, t_TrChCanfigTypeDCH_NoSH0, t_DCH_148_TF8_DL_mm192, t_DCH_81_TF8_DL, t_DCH_183_TF8, t_DCH_50_TF8, t_DCH_540_TF8_20_2, t_Power0f5etm08etav64kp_ActTime)	3. WAFRAB4398		
5	CPHy1CP	PHY_TICH_Contig_CNF	(a_TrChCtgCnttp_Cellis,tsz_DL_DPCHt)	man and a second		
6	6 CMAC I CMAC_Config_REG		sa_CMAC_Reconfiginto disc_CellDedicated, tsc_DL_DPCH1, c_UE_into (_OMT, c_MT), c_TrCHintoDL_5_0 To47 (c_DCH_148_TFS_DL_im192, c_DCH_81_TF8_DL, c_DCH_103_TF8, c_DCH_80_TF8, c_DCH_ 640_TF8_20_2x_Prover0ftsetintbBetav64k), c_TrLogMappingDL_TM8,p_ActTime()	3. WA#RAB4298		
7	CMAC 7 CMAC_Canfig_CNF		ta_CWAC_CtgCriftsc_Cel/Dedicated, tsc_DL_DPCH1)	1.1		
8	CPHYICPHY_RL_Mobily_REQ		Ea_UL_DPCH_ModifyInfo (p_Callid, toc_UL_DPCH1, p_UL_DPCH_Info;p_AddTime)	t		
9	CPHY7CPHY_RL_Modily_CNF		ta_RL_ModifyCinlip_Cellid, tac_UL_DPCH1}	- 42		
te	18 CPHINCPHY_TICH_Config_REQ		ca_5_DCH_0_To47_UL_info (s_Celld, tsc_UL_DPCH1, c_TrChConfigTypeDCH_NoSH0, c_DCH_148_TF8_UL, c_DCH_81_TF8, c_DCH_103_TF8, c_DCH_60_ TF8, c_DCH_640_TF8_20_2.p_ActTime)	3		
11	1 CPHY2CPHY_TICH_Config_CNF		La_TrChClgCntp_Cellet, tst_UL_DPCH1)			
13 CNACICMAC_Config_REG		1CMAC_Config_REG	ca_CMAC_Recordigints (tac_CellDedicated, tac_UL_DPCH1, c_UE_into (OMIT, OMIT), c_TrCHinfoUL_5_ 0To47 (c_DCH_148_TF8_UL, c_DCH_81_TF8, c_DCH_103_TF8, c_DCH_60_TF8, c_DCH_640_TF8_ 20_2), c_TrLogMappingUL_TM4.p_ActTime)	3.		
13	CMAC	2 7 CMAC_Config_CNF	Ea_CMAC_CtgCnftsc_CellDedicated, tsc_UL_DPCH1)			
14	tox_RAT = 1	10	이 같은 것은 것 같은 것은 것 같은 것은 것 같은 것은 것 같은 것은 것은 것은 것은 것은 것은 것은 것을 알았다. 것 같은 것은			
15	TRUEL		1			

#### 4.5 ts\_RB\_SubTest\_RAB\_SRB\_RB10, ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB11\_RB12,... (WA#RAB4371)

Test step name	ts_RB_SubTest_RAB_RB10, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12, ts_RB_SubTest_RAB_SRB_RB10_RB13, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB13 and ts_RB_SubTest_RAB_SRB_RB13.	
Reason for change	Wrong handling of the failing subtests: if the subtest fails then the ecxecution should be continued with the next following one. However with the currect code the next test step will be started after the "+ts_Exit_Testcase" was executed, which is wrong as it releases the resources.	
	Only the open test loop procedure should be performed instead.	
Summary of change	Used "ts_TC_OpenUE_TestLoop" instead of "ts_Exit_Testcase".	
	Note: the picture shows only the change applied to "ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB13" but this modification is needed in all the mentioned test steps.	
Source of change	New Change	
Label	WA#RAB4371	

Test Step Test Step kt ts\_RB\_SubTest\_RA8\_SRB\_R810\_R811\_R812\_R813( p\_TFC\_UL p\_TFC\_DL TFC\_Subset p\_TestLoopModeSetus: UE\_TestLoopModeILB\_Setus; p\_R All\_Tr\_Into ReliTrinfo;p\_mer\_B;p\_ReceiveFactor INTEDER) RD\_DisperRD\_Subtrate/ Test Step Group Ref. SS limits the UE allowed uplink transport formal continuations, SS closes the test loop, then SS bansmit on RB10, RB11, RB12 and RB13 an RLC SDU. UE s had send back the same RLC SDU on the same 4 RDs. Refer to steps 11 to 17 of TE 34 123-1 stause 14.1.1 Objective. Defaults RRC\_Defi Comments @SIC\_NAPP WAREABASTE **Constraint Ref** 141 Laber Behaviour Description Verdict Commente 18 REV\_INSUIT-FALSES 01 11 + ts\_TC\_OpenUE\_TestLoop (tsc\_ CatDestcated) 8 Try\_tesult=FALSE] 11 + ts\_TC\_OpenUE\_Test\_pop (tsr\_C #IDedicated ) Detailed Comment

#### 4.6 ts\_RB\_SubTest\_RAB\_SRB\_RB10, ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB11\_RB12,... (WA#RAB4224)

Test step name	ts_RB_SubTest_RAB_RB10, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12, ts_RB_SubTest_RAB_SRB_RB10_RB13, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB13 and ts_RB_SubTest_RAB_SRB_RB13.
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.
Summary of change	With the current code PDUs from the UE are received but these are caught wrongly by the "otherwise" mechanism as they are not expected. Used for each Subtest step a step of the type "ts_ReceiveFirstSDUs" instead of the control timer (START and TIMEOUT):
	For "ts_RB_SubTest_RAB_SRB_RB10" used "ts_ReceiveFirstSDUs_RB10" (see point 4.10 WA#RAB4215) which allows to receive the first PDUs until

control timer expires before sending the measurement control message.

For "ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB11\_RB12" used "ts\_ReceiveFirstSDU\_RB10\_RB11\_RB12". This test step guarantees that at least one set of PDUs in RB10, RB11 and RB12 are received from the UE before sending the measurement control to the UE.

For "ts\_RB\_SubTest\_RAB\_SRB\_RB13" used "ts\_ReceiveFirstSDUs\_RB13" (see point 4.11 WA#RAB4216) which allows to received the first PDUs until control timer expires before sending the measurement control message.

For "ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB13" used "ts\_ReceiveFirstSDU\_RB10\_RB13". This test step guarantees that at least one set of PDUs in RB10 and RB13 are received from the UE before sending the measurement control to the UE.

For "ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB11\_RB12\_RB13" used "ts\_ReceiveFirstSDU\_RB10\_RB11\_RB12\_RB13". This test step guarantees that at least one set of PDUs in RB10, RB11, RB12 and RB13 are received from the UE before sending the measurement control to the UE.

Note: the picture shows only the change applied to "ts\_RB\_SubTest\_RAB\_SRB\_RB10" but this modification is needed in all the mentioned test steps.

Source of change New Change

Label

#### WA#RAB4224

10 million (10 mil	where the property of the second s	16213	arep	A second backward water and the	and the second sec
Teor Step ki	ts_RB_SubTest_RAB_SRB_RB10( p_TFC_ op_max_bliNTEGER)	UL, p_TFC_DL : TFC_8	diset; p_TestLoopModeSetup : UE_Te	EL.cop.Mode1LB_Setup	; p_RAB_Tx_Info: RabTxinf
Test Step Group Ref.	RB_Btops/RB_Subtects/				terrar and the second second
Objective	Stimute the UE allowed uplink transport format combinations, SS closes the tast loop, then SS transmit on RB10 an RLC SDU. UE shall send back the same RLC SDU. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1				
Defaulte	RRC_Deft				
Comments	@SIC_NAPP				
	WARRAB4371				
	East avour Description		Constraint Ref		Commente

	Date, p. RAB_Tx_into.teTxintoLint(0] starSize ()	
4	-ts_SS_TFC_Restriction (tec_CellDedicated, #_TFC_UL, #_TFC _DL_1	CMAC Restriction
5	+ts_SendDataInContineousTTI(p_RAB_Tx_info)	Step 14a
6	dov_result=TRUE	
7	(lov_max_Timer=(p_max_B * 12) +(p_max_B/10))	Timer Value 1 12 times max til among the RABs + 10% of max 3
10	Hs_ReceiveGata_RB10 (brs_RB_Data1, p_RA6_Ta_into rbTxbrf otJat (0) normOfSdq)	Step 14b
9	Hs_SendDataInContineousTTICs_RAB_Tx_Inft)	
10	(kx_resul=TRUE)	
12	+ts_ReceiveFirstSDUs_RB10(tor)_RB_Data1)	for TTCN Delay Step 15a 1 WattRaBa 224
13	+ts_Bimutaneous_Data_SR0_R010(xv_R0_Data1,p_R48_ Tx_info.mTrinfoList.0(.nomOExtu	
13	+ ts_TC_OpenUE_TestLoop ( tsz_CellDedicated )	Blag 16-17
14	[bx_tesubFALSE]	1
15	Box_result=FALSE	1
Detail	ed Comment	13

#### 4.7 ts\_Simultaneous\_Data\_SRB\_RB10, ts\_Simultaneous\_Data\_SRB\_RB10\_RB11\_RB12,... (WA#RAB4323)

Test step name	ts_RB_SubTest_RAB_RB10, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12, ts_RB_SubTest_RAB_SRB_RB10_RB13, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB13 and ts_RB_SubTest_RAB_SRB_RB13.
Reason for change	Initial control timer value is too small for the measurement report to be received. It takes some more time to be received (the delay is due to L1, L2 Proceessing and TTCN implementation).
Summary of change	Increased the control timer for the measurement report to 1000ms Note: the picture shows only the change applied to "ts_Simultaneous_Data_SRB_RB10_SRB_RB10_RB11_RB12_RB13" but this modification is needed in all the mentioned test steps.
• • •	Now Change

Source of change New Change

Label

WA#RAB4323

Gamer			Test Step		
Test Step Id Test Step Group Ref Objective Defaults		Its_Simultaneous_Data_SRB_RB10_RB11 OER )	_RB12_RB13 (p_data1,p_data2,p_data3,p_data4 : BITSTRING, p_RAB_Tx_Int	r, Ri	abTuhrlo g_ReceiveFactor INTE
		RB_Steps/RB_Subtents/			
		Company of the second			
		RRC_Defi			
Caromi	ente	@BIC_NAPP			
		7.450 (S.S.S.S.S.			
		VIAMRAE4241		_	
		Behaviour Description	Constrant Ref		Comments
P. Constant	AM I RLC_AM	«_DATA_REQ	cas_MeasurementControl ( tsc_CeRDedicated, tisc_PRD, cs_MeasurementControlDerPeriodic ( tsv_CetIndinto.dl_integrityCheckinto. tsv_RRC_Th, tsv_TmpCetInto.priBirmCode()		158.2
2	dry_fies =1	FALSE)			WARRAE4240
3	UTART LDI	M10000			WARRAD4333
4 Ge Lill ap ort	AM7RLC_	AN_DATA_IND	cat_MeasurementReport( tac_CellDedicated, tac_RB2, ur_MeasurementReportAny	(#)	15b
6	CANCEL1	_Dły			
6	REPEAT I	LReceived UNTE [tov_Res = TRUE]			
7	TM7 RLC_	TR_TestDataind	car_RLC_Detaind ( tsc_Cel/Dedicated, tsc_RB10, c_TrD_Date ( p_det		Step 15b

#### 4.8 ts\_Simultaneous\_Data\_SRB\_RB10, ts\_Simultaneous\_Data\_SRB\_RB10\_RB11\_RB12,... (WA#RAB4240)

Test step name	ts_RB_SubTest_RAB_RB10, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12, ts_RB_SubTest_RAB_SRB_RB10_RB13 and ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB13.
Reason for change	Due to WA#RAB4224 (see point 4.6) it is necessary to initialise the variable "tcv_Res" to FALSE again (as the "ts_ReceiveFirstSDU" modify its value to TRUE).
Summary of change	Added line with the assignment "tcv_Res":=FALSE.
	Note: the picture shows only the change applied to "ts_Simultaneous_Data_SRB_RB10_SRB_RB10_RB11_RB12_RB13" but this modification is needed in all the mentioned test steps.
Source of change	New Change

Label WA#RAB4240

1II

Test Step Test Step H ta\_Bimultaneous\_Data\_BRE\_RB10\_RB11\_RB12\_RB13 (p\_data1.p\_data2.p\_data3.p\_data4 BITSTRIN0; p\_RAB\_Ti\_into: RabTidnto p\_ReceiveFactor INTE 9ER1 Test Step Oroup Ref. RB\_Steps/RB\_Surfacts/ Objective Defaults RR0\_Deff Comments BRIC NAPP L Behaviour Description Constraint Ref Comments AMIRLC\_AM\_DATA\_REG cas\_MeasurementControl [ 15a2 tsc\_CellDedicated, toc\_RB2, is\_NeasurementControlDePeriodic (
 try\_CelEndinfo.d\_IntegrityCheckInfo. toy\_RRC\_Ti, toy\_TmpCellinfo.priSomrCode() WARRAB4248 (ICX\_Res > FALSE) 01 17:4 STARTE DW(1000) WARRAD4323 Get\_ AN ? RLC\_AN\_DATA\_ND sat\_MeasurementReport( (F) 15b tsc\_CellDedicated, tsc\_RB2, Rep ort cr\_MaasurementReportAry CANCEL L.DW 5 8.7 REPEAT IL Received UNTIL [ tzv\_Rev = TRUE ] TM 7 RLC\_TR\_TestDataind rat\_RLC\_Dataind ( tsr\_CellDedicated, tsc\_RB10, t\_TrD\_D Step 15th ata ( p\_data() ) 8.9 drv\_count\_RB10 = trv\_count\_RB10+1) +Get\_Report

TM ? RLC\_TR\_TestDatand car\_RLC\_Datand ( tsc\_CetDedicated, tsc\_RB11, c\_TrD\_D Step 15b

## 4.9 ts\_Simultaneous\_Data\_SRB\_RB10, ts\_Simultaneous\_Data\_SRB\_RB10\_RB11\_RB12,... (WA#RAB4241)

Test step name	ts_RB_SubTest_RAB_RB10, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12, ts_RB_SubTest_RAB_SRB_RB10_RB13, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB13 and ts_RB_SubTest_RAB_SRB_RB13.
Reason for change	Due to WA#RAB4224 (see point 4.6) the initialisation of the variables tcv_count_RB10, tcv_count_RB11, tcv_count_RB12 and tcv_count_RB13 to 0 is not needed anymore as this variableas are updated in the previous "ts_ReceiveFirstSDU" test steps.
Summary of change	Removed line with the inisialisation of tcv_count_RB10, tcv_count_RB11, tcv_count_RB12 and tcv_count_RB13 to 0.
	Note: the picture shows only the change applied to "ts_Simultaneous_Data_SRB_RB10_SRB_RB10_RB11_RB12" but this modification is needed in all the mentioned test steps.
Source of change	New Change

Label WA#RAB4241

				Test Step			
Test Step Id. Test Step Oroup Ref Objective Defaults Comments		p Id: p Group Ref i	ts_Smuthaneous_Data_SR9_R910_R911_R912 (p_data1,p_data2,p_data2 BITSTRING; p_RA8_Tx_info RasTxinto) f_R9_StepuR8_Subtosts/ RR0_Dwf1 WWRRA94241				
	L		Behaviour Description	Cunstmint Ref	1	Cumments	
0		AM I RLC_A	M_DATA_REG	<pre>sas_MeasurementControl ( toc_CetIDedicated, toc_RB2, tos_MeasurementControlDetPenodic ( tov_CetIndento.d_integrityCheckinto, tov_RR0_Ti, tov_RR0_Ti, tov_TimpCetInto.priScmrCodet))</pre>		154.2	
t.		dov_Res =	FALSE			WARFIAE 4240	
2		STARTLO	(1000)	CONTRACTOR CONTRACTOR OF CONTRACTOR		WA#RAB4334	
3	Get_ Rep ort	AN 7 RLC	LAM_DATA_IND CANCEL LDIY	car_NeasurementReport( toc_Cert0edicated, toc_RB2, cr_MeasurementReportAre	(P)	155	
4		REPEAT	t_Receive3 UNTIL   tor_Res = TRUE				
3		TM ? RLC	_TR_TestDatand	<pre>tar_RLC_Datand ( tsr_CellDedicated, tsc_RB10, t_T/O_D ata ( p_data1) )</pre>		Etep 158	
4		drv_coun	(_RB10 = to(_count_RB10 +1)				
5	_	-+Get_R	eport			20072/2-0	
3		TH 7 RLC	_TR_TestDataind	<pre>sal_RLC_Dataind ( tsr_CeliDedicated, tsr_RB11, t_TrO_D) state endots</pre>		Step 15k	

#### 4.10 ts\_ReceiveFirstSDUs\_RB10 (WA#RAB4215)

Test step name	ts_ReceiveFirstSDUs_RB10
Reason for change	A new test step is necessary to implementate WA#RAB4224 (see 4.6) for the case of "ts_RB_SubTest_RAB_SRB_RB10".
Summary of change	Included a new test step "ts_ ReceiveFirstSDUs_RB10" which catches the PDUs send on RB10 by the UE during the delay of prose step 15a.1
Source of change	New Change
Label	WA#RAB4215

	STOR.		the second s	Test Step	
Test Stop ist Test Stop Orsup Ret Objective Defaults		i itt I Orsup Ret	ts_ReceiveFirstBDUs_RB10 (p_data : BITSTRIN RB_Steps/RB_Subtests/ RRC_Defi	401	
10	mmes	11	WARRAB4215		
	1		Behaviour Description	Constraint Ref .	Comments
		STARTLD	(cv_max_Timer)		for TTCN Delay Step 1 5a.1
		day_Recei	ve_RB10 = 0)		
	Data	TM 9 RLC	_TR_TestDataind	car_RLC_Datatind ( toc_CellDedicated, toc_RB10, c_TrD_D a to(p_data ))	158.1
	dov_Receive_RB10.+tiv_Receive_RB10+1)		we_RB10+tov_Reserve_RB10+1)		
		Get_D	ata TE De		

#### 4.11 ts\_ReceiveFirstSDUs\_RB13 (WA#RAB4216)

Test step namets\_ReceiveFirstSDUs\_RB13Reason for changeA new test step is necessary to implementate WA#RAB4224 (see 4.6) for the<br/>case of "ts\_RB\_SubTest\_RAB\_SRB\_RB13".Summary of changeIncluded a new test step "ts\_ ReceiveFirstSDUs\_RB13" which catches<br/>the PDUs send on RB13 by the UE during the delay of prose step<br/>15a.1Source of changeNew ChangeLabelWA#RAB4216

0.			100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	Test Step			
Test Step M. Is_Receiver Test Step Oroug Ref. HD_Steps/fil Objective Defaults RRC_Deff Comments WWFRA9421		na Group Ref.	Is_ReceiveFirst8DUs_RB13 (p_data RB_Steps/RB_Buttesta/ RRC_Deft YW#RAB4216	3 (p_data: 0/1917RINO)			
-	L	i	Behaviour Description	Constraint Ref	Comments		
1		STARTLD	ly (by_mas_Timer)		for TTCN Detay Step 15a 1		
\$		Bo Recei	es_R013 = 0				
3	Oet_ Data	etTM 7 RLC_TR_TestDataind		cat_RLC_Dataind ( htt_CellDedicated, htt_RB12, t_THO_Data/p_data ))	156.1		
4		(tx_Receive_RB13=tcv_Receive_RB13+1)					
5		i+ Get_D	ata				
6	7TIMEOUT LDIV		rt_Div				

## 4.12 ts\_ReceiveFirstSDU\_RB10\_RB11\_RB12 (WA#RAB4229)

Test step name	ts_ReceiveFirstSDU_RB10_RB11_RB12
Reason for change	TTCN error: wrong cell id is used.
Summary of change	tsc_CellDedicated instead of tsc_CellA.
Source of change	New Change
Label	WA#RAB4229

Shep	Lat.				
Test Blea Ial to ReceiveFindSDU_RB10_RB11_RB12 (p_data) p_data. Test Btea Group Ref RB_Steps/RB_Statests/ Objective Defaults Comments gbSC_NAPP		te_ReceiveFindSDU_RE10_RB11_RB12 (p_data1 p_data2 RB_StepsRB_Buildests/ gesc_swiPP	12_data3 BITSTRINO)		
	law energy and	Behävisur Description	ConstraintRef	-	Comments
	Litx_Receiv RB12 = FAL 1 = 0,10x_00 ISTART LD	wRB10 = FALSE, trv_ReceiveRB11 = FALSE, trv_Receive LBE, trv_Res = FALSE, trv_count_RB10 = 0,trv_count_RB1 ount_RB12 = 0) (vdtv_max_Timer)			
Get_ TM ? RLC_TR_TestDataind Data		_TR_TextDataind	cat_PRLC_Dataled (tec_CeliDedicated, tec_RB10, c_TrD_D ata (p_data1))	P	SH015
	dev_count	(RB10+ kv_count_RB10+1, kv_ReceiveRB10 + TRUE)			A CARACTER
	*R_Check	KStatus			
	tor_Res → Get_D tor_Res	= FALSE) Data = TRUE]			
	CANCEL	LUDW		-	(1997) (1997)
	TH 7 FLC	_TH_TestDatand	cat_RLC_Defailed ( tec_CellDedicated, tec_RB11, c_TrD_D ala (#_data2) )	197	Ding 15
	et_	the It w_Recent RBT2 = fA 1 = 0,ts_c STAPT (_D et_ TH ? RLC ats dev_count =R_Chec Dev_Res -> Get_1 Dev_Res CANCE TH ? RLC dev count	Dec         Dec           Int         getC_NAPP           Behaviour Description         (tix_ReceiveRB10 = FALSE, tix_ReceiveRB11 = FALSE, tix_Receive RB12 = FALBE, tix_Res = FALSE, tix_rount_RB10 = 0,tix_count_RB11 1 = 0,tix_count_RB12 = 0)           START_Drybox_mac_Timer; et	December         December           December         Behaviour Description         Constraint Ref           Termin         BBIOC_SWPP           December         Behaviour Description         Constraint Ref           It's         FALSE, try_Res = FALSE, try_Receive         Constraint Ref           It's         RLC_TR_TestDatand         Car_RLC_DataInd (trc_CellDestcaled, trc_RBHD, c_TrD_O ata (s_data1))           It's Res = FALSE]         Constraint Ref         Car_RLC_DataInd (trc_CellDestcaled, trc_RBH, c_TrD_D, D ata (s_data2))           It's RLC_TR_TestDatand         Car_RLC_DataInd (trc_CellDestcaled, trc_RBH, c_TrD_D, D ata (s_data2))           It's RLC_TR_TestDatand         Car_RH, C_DataInd (trc_CellDestcaled, trc_RBH, c_TrD_D, D ata (s_data2))	December         December           December         Behaviour Description         Constraint Ref

## 4.13 ts\_ReceiveFirstSDU\_RB10\_RB11\_RB12 (WA#RAB4230)

Test step name	ts_ReceiveFirstSDU_RB10_RB11_RB12
Reason for change	The local test step "It_CheckStatus" must finish with a TRUE statement otherwise the execution gets stuck at this point.
Summary of change	Included line with a TRUE statement.
Source of change	New Change
Label	WA#RAB4230

est Step Hit est Step Oroup Re	15_ReceiveFirstSDU_RE10_RB11_RB12 (p_date1.p_date2, f_RB_Steps/RB_Subtrate/	Jala3 BITSTRINO)		
efouits: omments	gac_wee			
10.0	Bahavaria Faserration	Constraint But	32	Comments
		Consecutive.	- 4.00	
-ts_Exit	Testcase		17	1
-ts_Ext CherkStatus (Ltor_Rec Received	Testcase event010 = TRUE( AND (bx_frecenteR011 = TRUE) AND dox R012 = TRUE(		1	

#### 4.14 ts\_ReceiveFirstSDU\_RB10\_RB13 (WA#RAB4232)

Test step name	ts_ReceiveFirstSDU_RB10_RB13
Reason for change	TTCN error: one of the repeated "tcv_count_RB13" should be "tcv_count_RB10 " instead.
Summary of change	Used "tcv_count_RB10" instead of one of the repeated "tcv_count_RB13" in this inisialisation line.
Source of change	New Change
Label	WA#RAB4232

1				Test Step			
Test Boo Int to_ReceiveFirstSDU_RB19_RB13 (p) Test Blog Oracip Ref. RB_StepuRB_Sublects/ Ottective Defaults RRC_Deft Comments @BIC_N/PP				_defa1,p_deta2 ; BITSTRINO)			
12	1		Behwiour Description	Constraint Ref	1	Camments	1
3	(K FA	CX_Received LBE, 10x_R punt_RB13	RB10 = FALSE, txx_ReceiveRB13 = Res = FALSE.txv_count_RB10 = 0,txv 1 = m			WARRAB4232	
2	8	TART LOW	(ks_max_Timer)				
3	3 Oe TM1RLC_TR_TestDataind LO ats		R_TestDataind	<pre>car_RLC_Dataved ( tsr_CeliDedicated, tsr_RS10, r_TO_Data (p_det a1) )</pre>	P	Bhop 15a	
4	1	tor_count_1 rePiB10 > 1	RB10= tcv_count_RB10 + 1, tcv_Rec IRUEj				

#### 4.15 ts\_ReceiveFirstSDU\_RB10\_RB13 (WA#RAB4233)

Test step name	ts_ReceiveFirstSDU_RB10_RB13
Reason for change	The local test step "It_CheckStatus" must finish with a TRUE statement otherwise the execution gets stuck at this point.
Summary of change	Included line with a TRUE statement.
Source of change	New Change
Label	WA#RAB4233

á			Test Step		
Test Rep Id. Test Step Group Ref. Objective	ts_ReceiveFintSDU_RB10_RS RB_Steps/RB_Subtests/	913 (p_data1,p_data2	BITSTRING		
Defeuts Comments	RRC_Duff @flic_NAPP				
	Exhanour Description		Constraint Ref		Comments
IL_CheckStatus					
18 Kitx_Receive 3 = TRUE3 (	eRB10 = TRUE) AND drv_Recen	reRB1			
28 (trv_Res = 1 21 [TRUE]	TRUE)		WAR	AB4233	
Detailed Comment					

# 4.16 ts\_RB\_SubTest\_RAB\_SRB\_RB13, ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB13 and ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB11\_RB12\_RB13 (WA#RAB4369)

Test step namets\_RB\_SubTest\_RAB\_SRB\_RB13, ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB13<br/>and ts\_RB\_SubTest\_RAB\_SRB\_RB10\_RB11\_RB12\_RB13

Reason for change The segmentation/reassembly of TM PDUs is configured for the SS

but not for the UE. The SS therefore sends the 1280 bytes test data over 2 PDUs of 640 bytes on the same TTI. As segmentation has not been configured for the UE in the Radio Bearer Setup message the UE sees these as 2 separate SDUs. Then both are looped back. The SS then reassembles these 2 PDUs with the result that the full 1280 bytes has been looped back.

With the original code the test case will fail due to the data expected is 640 bits long instead of 1280 bits.

Summary of change Used the assignment "( tcv\_RB\_Data4 := o\_GetMostSignificantBits ( p\_RAB\_Tx\_Info.testData, p\_RAB\_Tx\_Info.rbTxInfoList.[3].sduSize )) " instead of the test step "ts\_RB\_Prepare\_DataToBeReceived"

> Note: the picture shows only the change applied to "ts\_Simultaneous\_Data\_SRB\_RB10\_SRB\_RB10\_RB11\_RB12\_RB13" but this modification is needed in all the mentioned test steps.

Source of change New Change

Label

WA#RAB4369

ñ.,		Tes	t Step	and the second					
Test Disp Ist Test Disp Group Ref Objective Defaults Comments		ts_RB_SubTest_RAIL_SRB_RB10_RB11_RB12_RB12 ( p_TFC_UL, p_TFC_DL : TFC_Subset s_TestLoopNodeSetup : UE_TestLoopNode1LB_Setup; p_1 AIL_Tx_Info: RabTidints.p_mar_Bip_ReceiveFactor: INTEGER ) RB_StepsRB_Subtestor SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB10, RB11, RB12 and RB13 an RLC SDU. UE tail send back the same RLC SDU on the same 4 RBs. Refer to steps 11 to 17 of TE 34.123-1 clause 14.1.1 RRC_Deft @SIC_NAPP WARRAD4311							
14	3	Behaviour Description	Constraint Ref	Comments					
1	AMIRLC_A	N_DATA_REQ	cat_TranpotFormalCombCtrMM (tot_CellDedicated, tot_P602, tote_TransporFormalCombCtrl (tot_CellInd) sto.d_integrityChackinfo, tot_RRC_TL, _TTC_ULD	Shep 11					
2	+ ts_TC_CI Test.cosM	<pre>pseUE_TestLacp(tsc_CellDedicated, tsc_UE_TestLacpMode1, p todeGetus)</pre>		Steps 12-13					
3	(itry_RB_D B_Ts_into its gs_RAB_Tx_ ata) = c_Gr atatoList.Dt	iata1 = o_GetMostSignificar/Bits (p_RAB_tx_InfotestData, p_RA /TointiLint (D) solution (, tro_R0_Data2 = o_GetMostSignificar/Bits InfotestData, p_RAB_tX_InfotestData()] solutions (, tro_R6_D etMostSignificar/Bits (p_RAB_tX_InfotestData, p_RAB_tX_InfotestD StuStor))							
4	( tov_RB_D B_Ts_into.rb	Cata4 = a_GetMostSignificantBits (p_RAB_Tx_infotestData, p_RA iTxintoList[3] soluBize ()		WAMRAB4369					
5	+ts_88_T	FC_Restriction dax_CeliDedicated, p_TFC_UL, p_TFC_DL)							
8	+ts_Send	DatainContineousTTI(p_RAB_Tr_Intx)		Step 14a					
7	poy_resu	()=TRUE(							
	dzv_ma	_Timermgs_max_B * 123 + (p_mas_B/100)		12 times max til among the R ABs + 10% of max til					
9	-ts_Rec	celveData_RB10_RB11_RB12_RB13 (trv_RB_Data1)trv_RB_Data ats1trv_RR_Data1 n_RAR_Tv_infn_n_ReceiveFactori		Step 14b					

## 4.17 ts\_Simultaneous\_Data\_SRB\_RB13 (WA#RAB4246)

Test step name	ts_Simultaneous_Data_SRB_RB13
Reason for change	Necessary to control that the 15.b step timer is cancelled after the measurement report is received.

Summary of change	added "CANCEL t	_Dly" in line 3 when	measurement	report is received
-------------------	-----------------	----------------------	-------------	--------------------

Source of change New Change

Label WA#RAB4246

Test Step											
Test Step kt. Test Step Group Ref Objective Defaults Comments	is_Simultaneous_Data_SRB_RB13 (p_data : BifSTRING p_no_of_sdus p_ReceiveFactor: INTEGER) RB_StepsRB_Sublests/ RRC_Dwfl										
tir.	Laited	Detavour Description	Constraint Ref.	Ventici	Comments						
1		AMIRLC_AM_DATA_RED	cas_MeasurementCentrol ( tst_Cel/Dedicated, tst_RB2, cs_MeasurementControlDefPent odic ( tot_Cellinating di_integrityChe ckinto, tot_RRC_T1, tot_TimpCellinto pr:ScrmCedel 3		1522						
3		START1_Dty(1000)			WARRAB4323						
3	Get_Report	AM TRUC_AM_DATA_IND CANCELILD	car_MeasurementReport( hst_CetDethcated, tst_RB3, cr_MeasurementReport/vry	(P)	155 WARRAE4246						
4		REPEAT It_Receive UNTIL http://receive _REP13= (p_no_of_sdus*p_ReceiveFact ont)									
5		TM 7 RLC_TR_TeotDatains	car_RLC_Dataind ( to:_CellDed icated, tst_RB13, c_TrD_Data(p_ data ))	5	16b.1						
6		(tox_Receive_RB13=tox_Receive_RB1 3+1)									
7		-> Get_Report									
ń		THEOLOGY DATE		/D							

#### 4.18 ts\_ReceiveFirstSDU\_RB10\_RB11\_RB12\_RB13 (WA#RAB4231)

Test step name ts\_ReceiveFirstSDU\_RB10\_RB11\_RB12\_RB13

**Reason for change** The local test step "It\_CheckStatus" must finish with a TRUE statement otherwise the execution gets stuck at this point.

Summary of change Included line with a TRUE statement.

Source of change New Change

Label WA#RAB4231

		Test Step								
Test Blog Ist Test Blog Droup Ref Oblective Dofaults Commenta		ts_ReceiveFirstSDU_RB10_RB11_RB12_RB13 (p_deta1,p_deta2,p_deta3,p_deta4; BiTSTRIN3) RB_Blegs/RB_Butleeter RRC_Defi @SIC_HAPP								
		Behaviour Desulption	Constrant Ref	-	Comments					
	FALSE, to:_ReseiveF to:_Res = F/ to:_rount_R	1813 = FALSE, NUSE, RID = D								
31	TIMEOUT	LDY .		(1)						
32	+ts_Edt_Tr	estrare								
IL_Che	exStatut									
33	MITY_Receive waRE12 = TR	RE10 = TRUE) AND (tx_ReceiveRB11 = TRUE) AND (tx_Recei IUE) AND (tx_ReceiveRB11 = TRUE) ]								
34	dry_Res = 1	TRUE)								
35	ITRUE] WWRRAB4231									
Detail	ed Comment									

#### 4.19 ts\_RB\_Prepare\_DataToBeReceived (WA#RAB4222)

Test step name	ts_RB_Prepare_DataToBeReceived
Reason for change	TTCN error: for the condition when p_ULSDULength < p_DLTBSLength is perfectly valid so the tcv_Lenght <= 0 should not trigger a Fail verdict.
Summary of change	Removed Fail verdict when tcv_Lenght <= 0.
Source of change	New Change
Label	WA#RAB4222

£	21100	Anti-Anti-Anti-Anti-Anti-Anti-Anti-Anti-		Test Step	Libra Activ	
Teat S Teat S Object Defaul Comm	tep KI Tep Oroup F the the vents	IS_RB_Propare_DetaTcBoReceives Not_RB_Staps/RB_Subtactor UE shall send back the same RLC I RRC_Det1 @BIC_NAPP	(p_Data : BITSTF	RNO; g_ULBDULongth,p_DLTBSLongt	INTEOER)	
12		Behaviour Description	15	Constant Ref		Cumments
1 2 3 4 5 5 5	(kv_Lan- dzv_Lan (kv_RB) Data g_D [ttv_Lan REPEA th] dtv_RB extrata2, Ia1, Izv_L kv_testia txv_testia txv_testia	-0,tv_lastdata2_jen =0) = (p_ULSDULengh - p_DLTDSLengh) (setdata1 ===_GetklastGignificantEits (p ILTBSLengf()) n >0) T t_Add UNTIL (try_Len<=p_DLTBSLer B_testdata2===_BitstringConcat(kv_RB_ o_GetklastSignificantEits (trv_RB_testa er), tra2_jen,	_   g			
7	Boy_R = p_Bits atdata2, p_DLTBS (ky_jests)	B_testdata3 tringConcattov_RB_testdata1, trv_RB_b Longth, ata2_len+tvv_LentH				
8	TRUE	<b>1</b>			Ð	
9	try_Let	n ==01				
10	Thry,RI	I_bestdata3 = a_GetMostSignificantDits istdata1 ,p_ULSDULengtf()				
11	TRUE	Environmentation of environment				VIAWRAB4232
th_Ast						
12	TRY_Len>	p_DLTB5Length(	1			

#### 4.20 cs\_MeasurementControlDefPeriodic (WA#RAB4213)

Test step name cs\_MeasurementControlDefPeriodic

**Reason for change** The "intraFreqMeasQuantity" should be present in the measurement control message otherwise a conformat UE would send back a measurement control failure:

Clause 8.6.7.16 in 25.331 states:

If IE "Intra-frequency measurement" is received by the UE in a MEASUREMENT CONTROL message, where IE "measurement command" has the value "setup", but IE "Intra-frequency measurement quantity", IE "Intra-frequency reporting quantity", "CHOICE Report criteria" or "parameters required for each event" (given "CHOICE report criteria" is set to "intra-frequency measurement reporting criteria") is not received, the UE shall:

1> clear all stored measurement control information related associated to this measurement identity in variable MEASUREMENT\_IDENTITY;

1> set the variable CONFIGURATION\_INCOMPLETE to TRUE.

This will result in a Measurement Control Failure message.

Summary of change Included the "intraFreqMeasQuantity" with the value:

intraFreqMeasQuantity { filterCoefficient OMIT, -- default value

# modeSpecificInfo fdd : { intraFreqMeasQuantity\_FDD cpich\_RSCP } },

Source of change New Change

Label WA#RAB4213



Constraint/Value



## 5 Branches executed in test case 14.2.49.1

The test case implementation executed the CS 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\_49\_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\_49\_1-pics-pixit-Nokia.html** Text file containing all PICS/PIXIT parameters used for testing.

#### 6.2 Motorola 3G UE 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 14\_2\_49\_1\_CS-Motorola-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- PICS/PIXIT file 14\_2\_49\_1-pics-pixit-Motorola.html Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040255

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

## Tdoc #T1s040252

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						QUI	_01						
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Reason for change:       #       To add verified GCF package 1 test case 8.4.1.2 to the approved RRC ATS													

	V3.5.1
Summary of change: #	This document lists all changes applied to test case 8.4.1.2 required for approval.
	See detailed change description for further information.
Consequences if 🛛 🕷	Test case will not be added to ATS
not approved:	

Clauses affected:	ж <mark>№</mark>	Ά			
	Y	N			
Other specs	ж	Χ	Other core specifications	ж	
affected:		Χ	Test specifications		
		X	O&M Specifications		
Other comments:	ж				

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

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

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

Title:	Changes to test case 8.4.1.2 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 8.4.1.2 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_4_1_2
Test Group:	RRC_Measurements
ATS Version:	iWD-TVB2003-03_D04wk15+ essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

## 4 Corrections required for test case 8.4.1.2

#### 4.1 Introduction

This section describes the changes required to make test case 8.4.1.2 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\_wk15.mp which is part of the iWD-TVB2003-03\_D04wk15 release.

#### 4.2 cds\_RRC\_ConnSetupDCH\_ComprModeInfo (WA#RRC3177)

Constraint name Reason for change	cds_RRC_ConnSetupDCH_ComprModeInfo According to 34.123-1, chap 8.4.1.2.4 step 2, the standard RrcConnSetup should be used inlcuding the changes for compressed mode info. The used constraint cs_RRC_ConnSetupDCH does not setup the proper value and needs to be replaced
Summary of change	Create new constraint with the correct information elements for InformationPerRL
Source of change	New Change
Label	WA#RRC3177

	ASN 1 PDU Censtraint Declaration			
Condmitt Name	cds_RRC_ConvEetupDCH_CompModeInts ( p_intLEtd initiaLE_identity; p_ProtEScrimCode: ProserVacionidentifier; p_ProtEScrimCode: Proving/ScrimitingCode; p_LL_RVff_Mew : U_FMIT; p_LL_ScrimitingCode : UScrimitingCode; }			
Group				
PDU Name	DL_CCCH_Message			
Dorivation Path	ctig_t08_R9C_ConvisituaDCH.			
Encoding Rule Nonet:	ng Hule Norest			
Encoding Vertelion				
Convente	@SC_NAPP Transition to CBL_DCH state: Reference to TS34.108 Clause 9 (Conents of RRC CONNECTION SETUP necessage: UN transition to CBL_DCH) but no DPCH compres set mode into a given. WARRECO177			
i marine a	Constraint Value			
HEPLACE repaisage in toc_Tgpoi , OMT, 108	cConnectorSetup /3mcConnectorSetup /3.d_Commonistormalian BY c_DL_Commonistormalian_DOH_ToDOH ( c_DL_DPOH_MoCommon (loc_DL_DPOH_SPP_SPB FALSE ), Unleasurement, 0, OMT, 0MT, ul_and_dl ( ul st_2,d st_2))			
Defailed Convert.				

## 4.3 ts\_ToStateMOCompressMode\_CS\_6\_9\_PS\_6\_10: line 21 (WA#RRC3178)

Test step name	ts_ToStateMOCompressMode_CS_6_9_PS_6_10: line 30	
Reason for change	According to 34.123-1, chap 8.4.1.2.4 step 2, the standard RrcConnSetup should be used inlcuding the compressed mode info. The replaced configuration containt incorrect values for the InformationPerRL	
Summary of change	Replace constraint with new constraint cds_RRC_ConnSetupDCH_ComprModeInfo from WA#RRC3177, Add parameter for tcv_TmpCellInfo.uL_ScramblingCode	
Source of change	New change	
Label	WA#RRC3178	
LUE_CompressedModeRequired_Both		
30 UMPLC_UM_DATA_REG	cas_MRC_ConnSetup( p_Cells),	WAMPRC3178

		p_Cellol, tsc_R80, cds_RRC_ConnSetupDOH_ComprModeInfo(tov_InitiatUE_Id,tov_RRC_T), tov_TrepCellinfo.pr/SomrCode,tov_TrepCellinfo.uRvTI,tov_TrepCellinfo.uk_SoravibilingCode))	
3	I CPHY/ICPHY_RL_Modity_RE0	ce_CompressedModeDPCH_intoActivew_FE9 (too_CelA, too_DL_DPCH1, o_DPCHinto_DL ( o _DL_DPCHinto ( e_DL_Commoninformation_DCH_TeDCH1 ( e_DL_DPCH_intoCommon (too_DL_D) PCH1_SFP_SF8 FALSE), too_Tginsi , OMT, tod_Measurement, 0, OMT, OMT, oMT, oM_and_di : ( ul of _2, di af_2D, o_DL_DPCH_intoPerRL (too_DL_DPCH1_2ndSorC, too_DL_DPCH1_ChC_SF8 ) )))	WARRCH 79
3	2 CPHY ? CPHY_RL_Modity_CNF	ce_CompressedModeInfoCNF(tsc_CellA, tsc_DL_DPCH1)	
3	3 CPHYTCPHY_RL_Modify_REQ	ce_CompressedModeDPCH_IntsActNow_REQ (tsc_CellA, tsc_UL_DPCH1, c_DPCHnto_UL ( c_ UL_DPCH_13_6_StandAlone (tov_TmpCellinfo.uL_ScramblingCode )))	WA#RRC3181
Э	CPHY ? CPHY_RL_Modity_CNF	ca_CompressedModeInfoCNF(tsc_CellA,tsc_UL_DPOH1)	
3	5 +ts_SetCellCtg (p_Cellid, cel_DOH_StandAloneSRB)		

## 4.4 ts\_ToStateMOCompressMode\_CS\_6\_9\_PS\_6\_10: line 31 (WA#RRC3179)

Test step name	ts_ToStateMOCom	npressMode_CS_6_9_PS_6_10: line 31	
Reason for change	Local configuration the UE	is incorrect and inconsistent to the configuration send to	
Summary of change	Change parameter change parameter	from tsc_Sfc256 to tsc_DL_DPCH1_ChC_SRB, for TGCFN to OMIT	
Source of change	New change		
Label	WA#RRC3179		
It_UE_CompressedModeRequired_Bath			
30 UMRLC_UM_DATA_REQ		cos_RRC_Conviselup(	WAR

30	UMRLC_UM_DATA_REQ	ces_RRC_ConvSetup( p_Cellid, tsc_RBD, cds_RRC_ConvSetupDOH_ComprModeInfo(tov_InitialUE_id, tov_RRC_T), tev_TmpCellinto_priSomCode, tov_TmpCellinto.uFINT), tov_TmpCellinto_uL_SommBingCode())	WA#RRC3178
31	CPHY1CPHY_FL_Modify_FEQ	ca_CompressedModeDPCH_InfoAcRow_HEG (tsc_CeIA, tsc_DL_DPCH1, c_DPCHnto_DL ( c _DL_DPCHnto ( c_DL_Commoninformation_DCH_TeDCH1 (c_DL_DPCH_InfoCommon (tsc_DL_D PCH1_SPP_SRB /FALSE), tsc_Tgpoi , OMT, tdd_Measurement(0, OMT, OMT, ol_end_dl: ( ut st _2, ill of 28) c_DL_DPCH_InfsPerRL ( tsc_DL_DPCH1_2ndScrC, tsc_DL_DPCH1_ChC_SRB ) )) )	WARREST 19 WARRC3181
32	CRHY 7 CRHY_RL_Modify_CNF	ca_CompressedModeIntoCNF(tsc_CeLA,tsc_DL_DPCH1)	
33	CPHY I CPHY_RModity_REQ	ca_CompressedModeDPCH_infoActNow_REG (tsc_CeliA, tsc_UL_DPCH1, c_DPCHnto_UL ( c_ UL_DPCH_13_6_StandAlone ( tov_TrepCetInfo.uL_ScramblingCode )))	WARRCHOL
34	CPHY 7 CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (1sc_CellA,1sc_UL_DPCH1)	
35	Is_SetCelCfg (p_Celld, cell_DCH_StandAkmeSRB)		

## 4.5 ca\_CompressedModeDPCH\_InfoActNow\_REQ (WA#RRC3180)

Constraint name	ca_CompressedModeDPCH_InfoActNow_REQ
Reason for change	Activation time should not be used for standard RrcConnectionSetup to DCH and is only present in the constraint ca_CompressedModeDPCH_Info_REQ for the local configuration
Summary of change	Create new constraint with ActivationTime set to now
Source of change	New Change
Label	WA#RRC3180

ASN.1 ASP Constraint Declaration			
Constraint Name:	ca_CompressedModeDPOH_IntoActNow_REG (p_Cellid: INTEGER; p_PhyOnid: INTEGER; p_PPOHinto:DPOHinto)		
Group:			
ASP Name:	OHY_RL_Modity_REQ		
Derivation Path:			
Comments:	@SIC_NAPP For FDD mode only, to request to modify RL. VAARRC3180		
Constraint Value			
( celld p_Celld, routingints physicalChannelidentity: p_PhyChid, natType fidd, modifyMessage ( adtivationTime activateNow: NULL, physicalChannelints dPCHinfo: p_dPCHinto } }			

#### 4.6 ts\_ToStateMOCompressMode\_CS\_6\_9\_PS\_6\_10: line 21 (WA#RRC3181)

Test step name		ts_ToStateMOCompressMode_CS_6_9_PS_6_10: line 31				
Rea	ason for change	Activation time she and is only preser removed to keep t the UE	ould not be used for standard RrcConnectionSetup to DCH at in the local configuration. The activation time should be the local configuration consistent to the configuration send to			
Summary of change		Use new constraint from WA#RRC3180 without activation time				
Source of change		New change				
Label		WA#RRC3181				
E_UE_	CompressedWodeRequired_Both					
30	UMPLC_UM_DATA_REG		cas_RRC_ConnSetup( p_Cells, tso_RB0, cdx_RRC_ConnSetupDCH_ComprModeInto(tov_InitiaUE_id, tov_RRC_T), tov_TrepCellinto.pr/SomrCode,tov_TrepCellinfo.uRNII, tov_TrepCellinfo.al_SomebingCode))	VIOLARRECO170		
31	CPHY1CPHY_RL_Modily_REC	2	cs_CompressedModeDPCH_InfoActNow_RED ( tsc_CellA, tsc_DL_DPCH1, c_DPCHnto_DL ( c_DL_DPCHnto ( c_DL_OPCHnto_DL, DCH, ToDCH1, c_DL_DPCH_IntoCommon (tsc_DL_DPCH_SPF_SRB /FALSE), tsc_Tgpoi , OMT, fdd_Measurement, 0, OMT, OMT, ut_and_dl : ( ul sf _2, di sf _2), c_DCPCH_intoPerRL ( tsc_DL_DPCH1_andSerC, tsc_DL_DPCH1_ChC_SRB ) )) )	VOLARRIC3179 VOLARRIC3181		
32	CPHY ? CPHY_RL_Modify_CP	F	ca_CompressedModeInfoCNF(tsc_CellA, tsc_DL_DPCH1)			
33	CPHY I CPHY_RL_Modity_RE	0	ca_CompressedModeDPCH_infoActNow_REG (1sc_CelA,tsc_UL_DPCH1,c_DPCHnto_UL ( c_ UL_DPCH_13_6_StandAlone ( tov_TmpCelInto uL_ScrambingCode )))	V04#RRC3181		
34	CPHY 7 CPHY_FL_Modify_C	747	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPOH1)			
35	+ts_SetCellCtg (p_Celld,	cel_DOH_StandAloneSRB )				

#### 4.7 ts\_ToStateMOCompressMode\_CS\_6\_9\_PS\_6\_10: line 21 (WA#RRC3182)

Co	onstraint name	ts_ToStateMOCompressMode_	CS_6_9_PS_6_10: line 21			
Reason for change		Wrong CellId was used and startlist was checked. This is not necessary and should be handled like in the standard procedure				
Summary of change		Change p_CellId to tsc_CellDedicated, replace check for Startlist with ?				
Source of change		New Change				
Label		WA#RRC3182				
1,799	ConnectorSatupComplete					
20	[tos_OI_Dowain = ps_domain ]					
번	AM T FLC_AM_DATA_BD (tov_PS_yPT) = FLC_AM_DATA_B Set-aComplete start_st [0] start_v	D. M., Norsege A., DCOL, Mercage mercage recoversite Wet	car_/RRC_CurvExtupOrgitize_CollEveloated, tec_/RE2, cr_108_/RFC_CorreCetupOrgitizev_/RFC_R, 1()	WANTREPOS		
22	2 + to_CMM_Services (p. Cella 1			58cp 4		
23	23 + to MMC 3445 SecolorAcdPS MO JPD (F10 ( to Celler )					
24	24 (+tr PPC FAB_ErPS_MO_P13_P14(#_Colld)					
25	( toy Ot Domain - on domain )					

# 4.8 c\_DL\_CommonInformationRB\_SetUp\_DL\_ULCompressModeInfo\_Activate (WA#RRC3188)

Constraint name	c_DL_CommonInformationRB_SetUp_DL_ULCompressModeInfo_Activate
Reason for change	For the PhyChanReconfig in 34.123-1, chap 8.4.1.2.4 step 5 an incorrect constraint for Common Information is used, with dl_DPCH_InfoCommon set to OMIT
Summary of change	Create new constraint containing the necessary common informations for DL- DPCH
Source of change	New Change

ASN.1 Type Constraint Declaration				
Constraint Name:	c_DL_Commonitramation/RB_SetUp_DL_ULCompressModelinto_Activate (p_St. SF612_AndPlict; p_Tgcth; p_Tgcth; p_Tgpro; TGPRC)			
Group:				
Type Name:	DL_CommonInformation			
Derivation Path:				
Encoding Variation:				
Comments:	@SK_JAAPP			
	WARRYC3188			
	Constraint Value			
(				
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p				
Detailed Comment				

# 4.9 cd\_DL\_CommonInformationRB\_SetUp\_DL\_ULCompressModeInfo\_Activate (WA#RRC3206)

Constraint name cd\_DL\_CommonInformationRB\_SetUp\_DL\_ULCompressModeInfo\_Activate
Reason for change	According to 34.123-1, chap 8.4.1.2.4 step 5, the Transmission gap pattern sequence should be set to OMIT
Summary of change	Create new constraint based on c_DL_CommonInformationRB_SetUp_DL_ULCompressModeInfo_Activate and replace tgp_ConfigurationParams with OMIT
Source of change	New Change
Label	WA#RRC3206
	AQM 5 Turns Constraint Declaration

	ASN.1 Type Constraint Declaration		
Constraint Name:	cd_DL_CommoninformationR8_SetUp_DL_ULCompressModeInfo_Activate ( p_St: SF512_AnnIPlot; p_Tgptn: TGCPN; p_Tgptn: TGCPN; p_Tgptn: TGPRC )		
Groups			
Type Name:	DL_CommonInformation		
Derivation Path:	c_DL_CommoninformationRB_SetUp_DL_ULCompressModeInfo_Activate.		
Encoding Variation:			
Comments:	@SC_NAPP,		
	WAARRC3206		
	Constraint Value		
REPLACE modeSpe	REPLACE modeSpecificinfo.tdd.dpch_CompressedModeInto.1gp_SequenceList.(0)1gps_ConfigurationParanss BV_OMT		

### 4.10 cds\_PhyChReconf64k\_PS\_CompressModeInfo (WA#RRC3209)

Constraint name	cds_PhyChReconf64k_PS_CompressModeInfo
Reason for change	For the PhyChanReconfig in step 7 a proper constraint with the correct configuration is not available in TTCN
Summary of change	Create new constraint cds_PhyChReconf64k_PS_CompressModeInfo containing correct configuration for PhyChanReconfig in step 7
Source of change	New Change
Label	WA#RRC3209

5	ADVL1 PDU Constraint Declaration
Contrand Name	cite_Phy/OrRecord/SR_PE_Compress/Modelines ( p_integrity/tet integrity/Sections) p_SRS_T1 RS_Terministrations/Terministrations p_SACTions Activation/Terministrations p_Physics/Sections(SE_Sections) p_Terministrations(Sections) p_SSCATE_SOCTION (SE_Sections) p_SSCATE_SOCTION (SE_SECTIONS) p_SSCATE_SOCTIONS) p_SSCATE_SOCTION (SE_SECTIONS) p_SSCATE_SOCTIONS) p_SSCATE_SOCTIONS p_SSCAT
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disc.	Constraint Value
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### 4.11 ts\_PhyChReconfig\_CompressedModeInfo\_UL\_DL\_noTGPS (WA#RRC3184)

Test step name	ts_PhyChReconfig_CompressedModeInfo_UL_DL_noTGPS
Reason for change	Test step ts_PhyChReconfig_CS_CompressedModeInfo_UL_DL_noTGPS is only for CS
Summary of change	Create new test step ts_PhyChReconfig_CompressedModeInfo_UL_DL_noTGPS supporting CS and PS added InfoPerRL with proper values for the local configuration use c_DL_CommonInformationRB_SetUp_DL_ULCompressModeInfo_Activate with proper values for local configuration of DPCH_DL

# replace constraint for 64K-PS in line 23 with cds\_PhyChReconf64k\_PS\_CompressModeInfo (from WA#RRC3209) with consistent configuration

#### Source of change

ge New Change WA#RRC3184

Lab	WA#RRC3184		
		Test Step	
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11	GPHY 1 GPHY_JIL_Mostly_CMF	ca_CompressedRedenteCNF (toc_CellA_toc_DL_DFORT )	
12	DHM10HM2ETHERP7850	(#_34peters#A446PO_M1_R0(16_36_200_370,04_36_30,0400ee; 1_2POete_1_L(16_36_2PO_M1(16_36_200000;200_364_05_46_36_06_06_06_06_06_06_06_00))	
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18	UPTY 1 DPTY_FL_Modity_CM*	rs_CompressedModePHOOP ( tor_CalA.tor_DL_DPOH )	
-	ONVIONV_RLJBARE_REG	La CompresentationeProvation (No.) 460 (100, 2004, 500, 34, 2014), p. Asthum, s. 2010 Annual, 2014,	
30	Chry 1 Chry JR., Holey (34	In Commented Robit In CVP ( Inc., Col A, Inc., UK, JPCH )	the second
11	<ul> <li>HC_HICHARDY FOR THE CONTRACT FOR THE CARE, TO FREE (KE), Type 1</li> <li>HICK REC ALLS THE LOOK OF A CARE AND THE CARE</li></ul>		rate of a pecesi
25	AN IEC, AN DATA JES	case, PhyChRecord (tarc, Cellberkoster), tarc, MS2, cate, PhyChRecord Hu, PS2, CompressModelnits ( tarc, Cellberkost, B, Hoggely/Checketo, Thr. MS2, The, J and The and Cellberkoster Constant, J and TS27011	
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25	O'HY 1 O'HY, PL, Modity, CMF	ma_Compressed/AuderAcOMF ( tor_CellA /tor_DL_DFOH )	
36	CHHY/CHHY_RL_Holdte_BCQ	Ica, CompressedRodeDPOI, Intra (RE) ( to: _Cold. to: _La_PPOIP, p_ActTime, c_DPOIPTIN_LA_( ob.j.aDPOIP_inter( to: _La_PPOIP_5F_144, PS_adl_46, to: _Collection.aScreenbingCode () )	
21	CHYVIT CHYV_R_JHURY_COM	in_Constraint&enalizer (incall_inla_prov)	
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### 4.12 ts\_PhyChReconf\_CompresseModeActivate\_noTGPS (WA#RRC3185)

Test step name	ts_PhyChReconf_CompresseModeActivate_noTGPS
Reason for change	Test step ts_PhyChReconf_CS_CompresseModeActivate_noTGPS can only be used for CS mode
Summary of change	Create new test step ts_PhyChReconf_CompresseModeActivate_noTGPS for CS and PS $% \label{eq:complexity}$
Source of change	New Change
Label	WA#RRC3185

i			Test Step			
Test Set Deta Deta	Sher M Sher (or don dat rents	ugi fier	ts_PhyDiffecor(_CorporestedRodeActivate_pa10Pis(_g_AddTweAddtabosTwe_) DPDH_CorporestedRodeMoreSpecific) MIC_peni gpoc_name veaMRC2186			
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3		3pc.3	terfreq.DL_CompressedModeFlegared.)			
4	4 vtr. PhyChfleconfg_CS_CampresoulModelmix_DL (g_ActTime)					
2	6 (jpc_interFine_LL_CompressedModeFinepared ))					
8	45, PhyChRecordig (S. Campres and Academics LL 19, ActTana)					
7		1010	f go_jrderFreq_DL_CompressedModeRequired ) AND (INOT pc_bterFreq_DL_CompressedModeRequired ))			
		etr_P	hyOnflecontig_CS_NeCompressedHodeInto (p_AstTime)			

#### 4.13 tc\_8\_4\_1\_2 : lt\_LocalTest (WA#RRC3186)

Test step name	tc_8_4_1_2 : lt_LocalTest, line 6
Reason for change	Test step supports only CS mode
Summary of change	Exchange with new test step ts_PhyChReconf_CompressedModeActivate_noTGPS to support CS and PS
Source of change	New Change
Label	WA#RRC3186
t LocalTest	

1,100				
13 19	( (kw_TedBalk = TRUE )			
94	<ul> <li>str. SanditiotherShift Systems (so: Califi, c, SBift, MonthackleanCostrol (FALS Califi, tor, Califina, tor, Califina, tor, Califina, tor, Califina, tor, entrall, no., Califina, tor, Califordi, tor, Califina, tor,</li> </ul>	e, .5		Step 1 in prover
18	Hs_CacuateAuthive (Ho_CellA )			To get the current Frank Number
18	Hs.TrStateMoCarquetesHode_CS_6_8_PS_8_10 (Iso_C664, a_RepOR_MO_MO pt_JBC_EstC8440)	,ŧ		Step 2-4 in passe;
17	+ts_CalculateActTieve (toc_CellA.)			To get the current Frene Manber Workerschild?
18	+ts_PhyChRecord_CompressedModeActivate_no1GPS (tox_ActTime)			Ship 5-5a to prome,
98	START 1, WHIMS (1 * 1000 )			
20 10	# AN PEC AN DATA NO	car_MesourmandTaport (	10	Step 6 In proce.

# 4.14 cbs\_PhyChReconfSpeech\_DL\_ULCompressModeInfo\_noTGPS (WA#RRC3187)

Constraint name	cbs_PhyChReconfSpeech_DL_ULCompressModeInfo_noTGPS
Reason for change	For the PhyChanReconfig (34.123-1, chap 8.4.1.2.4 step 5) an incorrect constraint for CommonInformation is used, without common informations for DL-DPCH configurations
Summary of change	Create new constraint using a proper constraint for the common information and set $InfoPerRL$ to $OMIT$
Source of change	New Change
Label	WA#RRC3187

ASN 1 PDU Constraint Declaration			
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Derivation Path			
Encluding Rule have			
Encoding Variation			
Converts	@58_M4FF V82595_1187		
	Constraint Value		
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d_Convertinter d_Hrimstorfer ), 1300kmOrboatter )	ation of DL_CommonProvationPR_SetUp_DL_ULCompressModelHo_Activate (los_DL_OPCHI_SFP_Speech, p_TOCFN, 0 ), DL_CommonWarnedKon AL_LHI CMIT Ionizeta CMIT		

# 4.15 cds\_PhyChReconf\_Speech (WA#RRC3189)

Constraint name	cds_PhyChReconf_Speech
Reason for change	Constraint for PhyChReconf is inconsistent and should be changed according to 34.123-1, 8.4.1.2.4
Summary of change	Change Derivation Path to cbs_108_PhyChReconfSpeech, remove the replacements for UL channel requirement, as they are set correctly in the derived constraint
Source of change	New Change
Label	WA#RRC3189
for an entry of the second second	ASN 1 POU Constraint Declaration

Sec. and sec.	ASN 1 POU Constraint Declaration
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### 4.16 tc\_8\_4\_1\_2 : It\_PhyChReconf (WA#RRC3190)

Test step name	tc_8_4_1_2 : It_PhyChReconf, line 4, 11, 18, 25
Reason for change	In local configurations the information element for InfoPerRL is missing
Summary of change	Added c_DL_DPCH_InfoPerRL with correct parameters
Source of change	New Change
Label	WA#RRC3190

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41	ANTIFES, AN DATA PER	eau, PhyChRecard ( Ito, SelBeckenint, Inc. 193), cau, PhyChRecard ( Speech ( Ito, SelBechrist d) (HegellyChecklinte, Eau, SelFree, Eau, SelFree, Eau, SelFree, Eau, SelBechrist, Itor, SelBecke, and Second assister, SelBechrist, M., SecondingCost ( ) (	Ship Tin prone; 55 Instructs UE to detection for the inciding compressed mode sequence patients
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42	OHIVIOHICAL, MAIN, JED	Int. CompressedWorldPCH (JH1, MEG C to L, OHA, Hr., DL, JPCHI, Ko, Auffree, C, DPOHro DL ( + SL, DPOHro ( + SL, Consource/strandor, DOH, ToD (H, TOL (Hr. SL, DPCH, SPP_Speech (1), C, DL, DPCH, primerry, etc., DL, JPCH, SeeKin (2), DPCH, SR, Speech (3).)	VMARPICITION
42	OHY TORY_R_MARY_OF	ca_congreatedbooker/c0FF ( toc_Cells, toc_DL_DPOH )	111111111111111111
44	CRHYLOPHY_FL_Mudity_REG	ca, Cargereanderskil/PCH (Hz, 260 ( taz, 266), taz, 34, 3924h, tov, ActTeve, c, DPCHris, UL ( on UL, DPCH (Ho) ( taz, 34, 2000) (27, 35eech, p0, 34, tov, Schrist-Auß, ScreetsingCode (0)	WARREST
45	CPHY 2 CPHY .PL_Highly .CMP	ps. CanantosedMulehrluCh# ( Iso. Cella, Iso. UL, DPCH )	
*	Hs. JHC, Received NyChites and Cript East, End. 4, Key, P BC, JIAB, Type ()		Step 8 in proset,
47	Itey MIC AND TYPE + call OCH 54/CS AND SPEL	In All of the second and the second se	11 H 17 H 19
40	ANTIRIC, AN DATA (REG	For PhyORecov (Eng. Collection), to: _HEC, cds_PhyORecovFile_CS (for_Collections d_yelegityCheckleto, for_PRC_1, Eng.AcTion, No. Collection because which the Collection and interaction in Collection (Collection).	Step T in prose, SS instructs UE to deactive to the autoing competition
<b>8</b> 5	OHY IDHY, R., Main, JER	In Construction ModelPCH, Mr. MOL 161, ORA, Hr. JL, JPCH, Kin, AllTee, C. JPCHIN, JL. (C. D. JPCHINI (C. B. Constructionation DOI: 100CH (170) 102 JB. (JPCH) 577 (54) (511), C. R. (JPCHINIFWER, Bis: D. (JPCH) Solid C, No. JL (JPCH, Kin, Ch. 10)	VILLIPPICITIE
60	OHHY T CHHY JR, Molety CHP	ca, CargeressedMoxiamicsChill ( 100 Cells, 100 DL (1904 )	
81	CRHV1 GRHY_RL Jaudry_REG	ca_CompressedModeCPCH_VPL_RED_1toc_CAMA_ttoc_LL_DPCH1, tor_ActFlow, c_DPCHero_UL_1 on LL_DPCH Help(tep: UL_DPCCH_SF_SEA_CS_add 08, tory CellentA.rd, ScreenbingCode 10)	
52	CPHY 2 CPHY RL Hudry CM	on CongressedAustralicIIF ( tip: Cell, tip: UL_DPCH )	0.00000
63	Ho, MRC, Percend WyCMMicard Cright End, Cella, Juny P IRC, RAD, Trace 1		20th () su tercent
54	They RHC RAB Tips = call DOH 57 BKCS RAD SHD		
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	OHV CONV_R_WAIN_RES	(a. CompressedModeDFCH (str., PEO) 196 (2004), Bit. (D., (PFCH), Kn., Additect, C. (PFOHms, D.C.) C. (B., SPOHmill, C., Ga., Consonreturation, D.Ch. (ExCOV), TOL (htt: (B., (PFCH), SPP, Streaming)), (C. B., (PFC), National, D., (PFCH, Section, D.), Streaming, 200	VALAMPIC DE SE
57	ONLY Y CRIVER, MORY, OF	ca. Cargovered Accession ACOF ( too. CAR, teo, 35, 39004 )	
60	CRHY1 CRHY_RL_MAXBY_RBQ	ca, CongressedecedPCH (Hrs. FR) ( to: Cella to: ( ), DPCH, fcs, AcTime, in: DPCHris U, ( en U, DPCH Into ( to: U, DPCH S7, Streaming p8, 96, fcs, Cellaria A., ScreenbingCella () )	
00	CPHY 2 CPHY .PL, Hudry, CMP	to CimerestedRuteInteClif ( Inc. CellA, Inc. U.L. DPCH )	
602	HS_RRC_ReceivePhyChrocov#Crept (tot_Cella _ tov_R RC_RAD_Type )		Steps 6 in groose,
81	Hov MIC RAD Type + call OCH 64/PS RAD SRD	전 사진 사람은 동안 바람이 같은 것이 같은 것이 같이	1000
82	ANTIFLC, AN DATA THE	<pre>cos_PhyOrRecord ( tos_ColDeskenied, tos_PEC), cos_PhyChRecordists_PE ( tox_ColDeskenied, tox_PhySphericity), tox_PEC_PL, tox_Actilian, tox_ColDesk_Insequenciates, tox_ColDeskA pr@coreCode.tox_ColDeskenid, CommittingCose ) )</pre>	Site 7 in prose, SS instructs UE to deactive to the existing cooperated work program or pattern
63	OHY (OHY JR., Mails JRS	a CompressedMod/PCH yes, REOL for CHA, Ho, DL, (POH, for Allfree, c. (PCHmb, JL.) c. (L. (PCHMb) (c. (L. Consentrationalise, DCH, ToUCH, TEC) (for JL, (PCH, SPP, 544, 95.1), c. R. (PCH, SHP-RH, Risc, R., (PCH, SHRSec, Inc. )), (PCH, SIC, File, PC) (1)	VAARPICSTOR
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86 67	CPHY 7 CPHY _RL_Modify_CM vis_RRC_ReceiveDivyCMexicr/Cognition_CodA _key_R	cs_CararresedAudateSCHF ( for_Cold, for_UL_DFOH )	Step 8 in proset,
2.0	RCJUS_Type)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

### 4.17 tc\_8\_4\_1\_2 : lt\_PhyChReconf (WA#RRC3191)

Test step name	tc_8_4_1_2 : It_PhyChReconf, line 6, 13, 20, 27
Reason for change	For local configurations the priScrmCode was used instead of the $uL\_Scrambling\ code$
Summary of change	Change parameter from tcv_CellInfoA.priScrmCode to tcv_CellInfoA.uL_ScramblingCode
Source of change	New Change
Label	WA#RRC3191

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# 4.18 tc\_8\_4\_1\_2 : lt\_PhyChReconf (WA#RRC3192)

Test step name	tc_8_4_1_2 : lt_PhyChReconf, line 3, 10, 17, 24
Reason for change	Parameter for ul_ScramblingCode should not be hard coded in constraint, as it is variable in local configuration
Summary of change	Change parameter from 0 to tcv_CellInfoA.uL_ScramblingCode
Source of change	New Change
Label	WA#RRC3192

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### 4.19 tc\_8\_4\_1\_2 : It\_UptoStep\_10\_CompressedMode (WA#RRC3193)

Test step name	tc_8_4_1_2 : lt_UptoStep_10_CompressedMode, line 7,9,10, 13, 15, 16, 19, 20, 21, 25, 27, 28
Reason for change	Incomplete local configuration is used to enable compressed mode for DL- DPCH and the configuration for UL-DPCH is not send to the lower layers
Summary of change	For each RAB-Type exchange constraint with parameters for DPCH_DL, insert CPHY_RL_Modify_REQ/ CNF for DPCH_UL
Source of change	New change
Label	WA#RRC3193
See screenshot for co	rrection of WA#RRC3210

# 4.20 tc\_8\_4\_1\_2 : It\_UptoStep\_10\_CompressedMode (WA#RRC3210)

Test step name	tc_8_4_1_2 : It_UptoStep_10_CompressedMode, line 6,12, 18, 24
Reason for change	the local configuration to activate the compressed mode should distinguish between the different RAB-Types (speech, 64K-CS, 57-6K-CS, 64K-PS)
Summary of change	Insert RAB-Type identifiers with the local configuration belonging to each RAB-Type
Source of change	New change
Label	WA#RRC3210

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			a final sector of the sector o

### 4.21 tc\_8\_4\_1\_2 : lt\_check\_measurement\_reports (WA#RRC3202)

Test step name	est step name It_check_measurement_reports		
Reason for change In It_UptoStep_10_CompressedMode & It_UptoStep_10_NonCompressedMode after the Measurement Control is send to the UE and the local configuration is done according to the different RAB-Types, the test case should check to receive the MeasurementReport periodically (According to 34.123-1, chap 8.4.1.2.4 test procedure, step 10)			t
Summary of change	Create new local test step expecting two Measurement Reports to reus TTCN-Code in order to improve readability	е	
Source of change	New change		
Label	WA#RRC3202		
(1975)	10) rrNermini rrNermini rrNermini (rirSelfening), (rirNerMinistri (rirSelfenin), (RM (MT, T))	0.0	Visi an end of the visit free to 17 percents There explore the first case fail. Boy 19 in press.

(7) ter\_Mexterneer/Report | to:\_CelDebuset, to:\_PEL, or\_Mex/ReportMarFedPendec (1, to:\_CellmiD, OHT/XMT, T)) (7) reliates for year laser to 17 peaks

There explores the test coore halo Stop 18 in provis

AND I DOWN

### 4.22 tc\_8\_4\_1\_2 : It\_UptoStep\_10\_CompressedMode (WA#RRC3212)

START I

N.C. AM DATA DO

1972 1893 841.0 10 1 1000 + 10 - Talwanoo)

Test step name	tc_8_4_1_2 : lt_UptoStep_10_CompressedMode, line 11,17, 23, 29
Reason for change	In It_UptoStep_10_CompressedMode & It_UptoStep_10_NonCompressedMode after the Measurement Control is send to the UE and the local configuration is done according to the different RAB-Types, the test case should check to receive the MeasurementReport periodically

Summary of changeReplace the code to check the receive of the Measurement Reports with the<br/>local test step It\_check\_measurement\_reportsSource of changeNew changeLabelWA#RRC3212See screenshot for correction of WA#RRC3210

### 4.23 tc\_8\_4\_1\_2 : lt\_LocalTest (WA#RRC3197)

Test step name	tc_8_4_1_2 : It_LocalTest, line 5
Reason for change	The calculation time for the PhyChanReconfiguration in line 6 is not valid and should be calculated just before the reconfiguration
Summary of change	Insert test step ts_CalculateActTime before PhyChanReconfiguration
Source of change	New change
Label	WA#RRC3197
Localest 13 TB (try Testiloty = 1958)	

1 TD (tov_lextlody = 1968)	
<ul> <li>sts_SandModifiedSED11_StylePri (tax_ColW, c_SED11_Mod instancesControl (FALSE, OME, tox_Colmitod, tox_Colmitol itsy_ColmitodC, tox_Colmitod, tox_Colmitod, tox_Colmitod (tox_ColmitodC, tox_Colmitod).))</li> </ul>	Step 1 m.prose,
-tz_CelculateActTime(toz_CelA)	To get the current Frene Number
4tr_ToStateMOCcorpressMode_CS_6,9,25_510 (tor_C) et4, c_PepOP_000_tor_PRC_5tdCexMO)	Slep 3-4 in proces
Hts_CalculateActTime (Inc_CallA.)	To get the current Prane Number VioLaPierco1 67
Rs_PhyCHecond_c5_Compressed/cesAdvals_wv10P Sidex_ActTee()	Site 5-5e in proce,

### 4.24 tc\_8\_4\_1\_2 : It\_UptoStep\_10\_CompressedMode (WA#RRC3198)

Test step nametc_8_4_1_2 : lt_UptoStep_10_CompressedMode, line 5Reason for changeAccording to 34.123-1, chap 8.4.1.2.4 step 9, the value for TGPS reconfiguration CFN should be calculated in the same way as TGCFN, but only tcv_TGCFN is set to a proper value in the test step ts_CalculateActTime before		ne
Summary of change	Change parameter from tcv_TGPSRFCN to tcv_TGCFN	
Source of change	New change	
Label	WA#RRC3198	
Law Reg 16, Segmented Roll     Active States     Active States     States     States     time surt (values		ndialos des void liner to Activition line Viet to favor acquires

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296	CHYY CHYY_R, JAMEY JES	cs. Competimized DPOL (vid. JED) (to: Cell4, to: UK_DPOH, to: ArtTine, c. (PDMete: UK ( do UK_DPOH, etc.), to: UK_DPDOH, SP, Speech, p0, 54, to: Celleto A. A., ScreetbingCede () ()	
99	CHIY 7 CHIY, BL JKSRY, CHE	In Corporative WOW (Inc. (edw.tac.)#CH )	
78	-Lunets_measurement_reports	· · · · · · · · · · · · · · · · · · ·	VAL898C1012

#### 4.25 cs\_MeasurementControlInterFreq (WA#RRC3200)

Constraint name	cs_MeasurementControlInterFreq
Reason for change	According to 34.123-1, chap 8.4.1.2.4 step 9, the value for

Summary of change	Set cellsForInterFreqMeasList to OMIT
Source of change	New Change
Label	WA#RRC3200

ASN 1 PDU Constraint Declaration		
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incoding Variation		
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	Constant Value	
<pre>videoff:CheckStrip_Litegraphymix, recoordinations.checkStrip_Litegraphymix, recoordinations.checkStrip_Litegraphymix, rec_TremovedRefStrip_LiterrecoverRefErequencyMeasurement: interTregCalList removeRefErequencyMeasurement: interTregCalList removeRefEreqCalls.check removeRefEreFreqCalList removeRefEreqCalls.check interTregCalList removeRefEreqCalList interTregCalList inte</pre>		

# 4.26 cs\_MeasurementControlInterFreq (WA#RRC3201)

Constraint name	cs_MeasurementControlInterFreq
Reason for change	According to 34.123-1, chap 8.4.1.2.4 step 11, the value for referenceTimeDifferenceToCell should be set to OMIT
Summary of change	Set referenceTimeDifferenceToCell to OMIT
Source of change	New Change
Label	WA#RRC3201

ASN:1 PDU Constraint Declaration		
Continent Name Group POU Mane Derivation Patri Brooding Nute Hame Brooding Nute Hame Brooding Vesselari	os_MessuresentControlSotupOnExemiPreoritry; p_MessurementE: MessurementBerter; p_MessurementE: MessurementBerter; p_destinations and the second and the s	
	Vourinesson	
Comments         (git2:_UNDP Meanument Control Commendia Higger on '20' event higgered event, the cell 4, and in hid case 8.4.1.3           Comments         Comments           Respect/Checkbox         Checkbox           Respect/Checkbox         Check		

# 4.27 cr\_MeasReportInfraFreqEventCr2 (WA#RRC3203)

Constraint name	cr_MeasReportInfraFreqEventCr2
Reason for change	According to 34.123-1, chap 8.4.1.2.4 step 10, the value for CellIdentity should be checked to be absent
Summary of change	Set Cell Identity to OMIT
Source of change	New Change
Label	WA#RRC3203

ASIN 1 PDU Constraint Declaration				
Constraint Name	ImanPhasoPhasoPhataPhasoPhataCi ( a_measki, MTEODH, a_collecto, CalminoChy, a_RSSU_MTA_ConvertNSSL a_CROM_ESOP, MTEOBR; a_CROM_ESOP, MTEOBR;			
Group				
POLI harver Derivation Path. Encoding Rues Name Encoding Variation	UL_DCOH_MILLING			
Converte:	@SC_JAFF			
	Constraint Value			
Description         Description           Image: Constrained Vielant         Constrained Vielant           Image: Constrained Vielant         Image: Constrained Vielant           Image: Constrained States (Vielant Image: Constrained Vielant)         Image: Constrained Vielant)           Image: Constrained States (Vielant)         Image: Constrained Vielant)           Image: Constrained Vielant)         Image: Constrained Vielant)           Image: Constrained Vielant)				

# 4.28 tc\_8\_4\_1\_2 : It\_LocalTest (WA#RRC3204)

Test step name	tc_8_4_1_2 : lt_LocalTest, line 7
Reason for change	According to 34.123-1, chap 8.4.1.2.4 step 6, the time to check that no Measurement Report messages are received should be set to 10 seconds
Summary of change	Set timer value to 10 seconds
Source of change	New Change
Label	WA#RRC3204

1. U	collest				
13	TBS	(tov_TedBody:=TRUE)			
14		ints_SendModifiedSB11_System (itsc_CellA , c_SB11_ModifiedMeasControl (FALSE, 0 MIT, tov_CellinfoA, itov_CellinfoB , tov_CellinfoC, itov_CellinfoD, tov_CellinfoE, tov_Cellinf oF , tov_CellinfoG, itov_CellinfoH ))			Step 1 in prose;
15		<ts_calculateacttime (="" )<="" td="" tsc_cela=""><td></td><td></td><td>To get the current Frame Number</td></ts_calculateacttime>			To get the current Frame Number
16		+ts_ToStateMOCompressMode_CS_6_9_PS_6_10 (tsc_CelA , c_RegOR_MO_MO_tov _RRC_EstCauMO)			Step 2-4 in prose;
17		<pre>"ts_CalculateActTime (1sc_CellA )</pre>			To get the current Frame Number VOMPRC3197
18		+tz_Pt+yOrReconf_CompressedModeActivate_noTGPS (tcv_ActTine)			Step 5-5e in proze; WA#RRC3186
19		STARTL/WeIMS(10*1000)			WARRS2204
20	TBF1	AN TRUC, AM, DATA JND	car_MeasurementReport ( tsc_CellDedicated, tsc_RB2, cr_MeasReportInterPreqPeriodic (*,*,* ,*,*))	P	Step 6 in prose; Measurement report shouldn't be r ecleved.

# 4.29 c\_DL\_DPCH\_InfoCommon (WA#RRC3205)

Constraint name	c_DL_DPCH_InfoCommon
Reason for change	According to 25.212, chap 4.3.1 for BTFD, for the parameter setting of TFCI_Existence set to FALSE, the positionFixedOrFlexible should be set to FIXED. This would also match with the default RRC Connection Setup and the default Radio Bearer Setup
Summary of change	Change positionFixedOrFlexible from flexible to fixed
Source of change	New Change
Label	WA#RRC3205

ASN.1 Type Constraint Declaration				
Constraint Name:	c_DL_DPCH_infoCommon ( p_St_SF512_AndPlot; p_Tfoi_Existence : BOOLEAN )			
Group:				
Type Name:	DL_DPOH_IntoCommon			
Derivation Path:				
Encoding Variation				
Conments:	@SC_Jupp			
	W64RPRC508			
	Constraint Value			
I crinitanding initial criticargets/triview (http://www.modeSpecificity dipCPCH_Power modeSpecificity dipc_Mode sing ) ) powerOffsetPilo di_rate_nationing spreadingFactor positionFixedOrF ttol_Existence p, ) )	Constraint Value  Constraint V			

### 5 Branches executed in test case 8.4.1.2

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

# 6 Execution Log Files

#### 6.1 Nokia 3G UE 7600

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

- Execution log files 8\_4\_1\_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 8\_4\_1\_2-pics-pixit\_Nokia.html HTML file containing all PICS/PIXIT parameters used for testing.

### 7 References

#### [1] T1s040253 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST				
* TS 3	4.123-3 CR 260 <b># rev</b> - <sup>#</sup> Current version: 3.5.1 <sup>#</sup>			
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# ME Radio Access Network Core Network			
Title: ដ	Addition of GCF P3 test case 8.4.1.31 to RRC ATS v3.5.1			
Source: ೫	Anite			
Work item code: ₩	N/A Date: # 04/05/04			
Category: #	B       Release: %       R99         Use one of the following categories:       Use one of the following releases:         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         Detailed explanations of the above categories can       Rel-4       (Release 4)         be found in 3GPP TR 21.900.       Rel-5       (Release 5)         Rel-6       (Release 6)       Rel-6       (Release 6)	TS		
Summary of chang	<ul> <li>V3.5.1</li> <li>This document lists all changes applied to test case 8.4.1.31 required for approval.</li> <li>See detailed change description for further information.</li> <li>Test case will not be added to ATS</li> </ul>			
not approved:				
Clauses affected: Other specs affected:	#       Y       N         #       X       Other core specifications       #         Y       Test specifications       #         Y       Image: Specification state       #         Image: Specification state <t< th=""><th>to</th></t<>	to		
Other comments:	ж			

#### How to create CRs using this form:

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

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

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

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

### T1s040285

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

Title:	Changes to test case 8.4.1.31 required for approval
Source:	Anite
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Richard Bellairs
	richard.bellairs@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 8.4.1.31 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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# **3** Verification Test Summary

Test Case:	TC_8_4_1_31
Test Group:	RRC/RRCMeasurements
ATS Version:	iWD-TVB2003-03_D04wk12 + essential modifications
System Simulator used:	Anite MultiRAT CT
UE used:	Nokia 7600
Verification Status:	PASS

# 4 Corrections required for test case 8.4.1.31

#### 4.1 Introduction

This section describes the changes required to make test case 8.4.1.31 run correctly with a 3G UE. The ATS version used as basis was RRC\_wk12.mp which is part of the iWD-TVB2003-03\_D04wk12 release.

#### 4.2 Change 1

Local Tree and Test step	Local tree It_TestBody of tc_8_4_1_31
Reason for change	TS 34.123-1 specifies that the TGPS reconfiguration CFN in Measurement Control Message should be set to (Current CFN + (256 – TTI/10msec))mod 256. But TTCN tcv_TGPRFCN is set to '0' and used in the measurement control message.
Summary of change	The tcv_TGPRFCN is assigned with tcv_TGCFN (tcv_TGFCN is calculate in teststep ts_CalculateActTime which is same calculation for tcv_TGPRFCN) before passing it as parameter for Measurement control message and local end configuration.
Source of change	New change

#### Before:

R_TetBody				
0	120	( toy_TextBody = TRUE )		
1		-to_CalculateActTime (toc_CellA)		1 (1 M + 1 M
7		H_PhyCh/Teccrl_CompriseModeDeathvele		Bies 2 and 3 in prose, 85 sends physical Channel ration massage and record
3		+la_Caini staAcfTime (tot_CelA)		
*		<ul> <li>Jos, Jele RAT, DL, Compressed ModeRe a) AND (pc_InterRAT_UL_Compressed ModeRe wared 3)</li> </ul>		
8.		WIRLC_M_DATE_RED	Hat, MoosenerentControl (16, _CmDie) mains, P(0), to, P(0), to, MessonerentControlHart%ATMess_ DCH (16, _CMHCd0, 01, pregrit/Checkin %, brTMPC_T, 51, tor_TOPSRFCH, tor_TOEPH 11	Stap 4 is proce

#### After:

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1.		+ts_CalcumteActTime (tsc_CellA)		
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# 4.3 Change 2

Local Tree and Test step	Local tree It_TestBody of tc_8_4_1_31
Reason for change	In It_TestBody the check to be added for sending different measurement Control and receiving measurement reports based on if UE required Compressed Mode Gap Pattern or not. Reporting Interval should be 4000ms for the first Measurement Procedure. Pros 34.123-1CR is required and same would be presented in the next T1 SIG meeting
Summary of change	The check [((pc_InterRAT_DL_CompressedModeRequired ) AND (pc_InterRAT_UL_CompressedModeRequired ))] is added in It_TestBody. Measurement Control Message should not contains Compress Mode information for UE not supporting Compressed Mode Gap Pattern. Added new Constraint cs_MeasurementControlInterRATMeas_DCH_NoCmpMode. Reporting Interval is increased to 4000ms in the first Measurement procedure. In Testbody also t_waitTime is increased to 4000ms.
Source of change	New change

#### Before:

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2		145.	Calu	AMMAITINE (101_CHM)			
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				11.1.1.1.1.1.1.1.1.1.1	tac_DellA, tac_DL_DPCHI, by_ActTime, c_DPCH_CompressedReds/Datasimb4		
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2				CLUCK CHARTEN	A INI, DL, DPCHI)		
1		0	PHEI	CPHI_AL_Mode_REG	ck_CompresseeModeStatusets_PE01 toc_CellA_toc_DL_OPCH1, toc_ActTone, c_DPCH_CompresseeMinip/GalaximtoD eactivetry_TIP/SPCN_211		
8		4	PHT :	CFHY_RL_Model_CNF	ca_CompressedMadeintSCNF (to:_Cell A_tsr_DL_DPCH1)		
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16			0	NCELL,WellMS	1 2000 11		
17.			+	CalculateActTake (101_CelM)			
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10				CANCEL LYNAMS			
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ADR.1 POU Constrant Declaration			
Constant Name	In_MeasurementControlMarRATMens_DCH( s_btgsthidts_integrations) s_IMPL_ThisREC_Treasurementationalizations s_IMPL_ThisREC_Thermatiguesites s_Tgst_ThisRecTC ThisRef		
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a InterGATCellC TechnologySp	Dtac_0004_inderSAT_De8A ac/ficiefs gain		
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7		START (UpperDozrati4400)	2		Report Interval +4000ms Tolevantes 400 ms (NPM) Upper Timer +4400ms Fast Mean Regions Upper Indexy to required
1		CPHYLCPHY_RL_BOOK_REG	In_Comprised ModelSalanto_REG ( toc_CellA_toc_DL_DPCH1, toc_AdTime, c_DPCH_CompressedModelStatushteA		
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10		CPHTICPHT_R_M+AV_RED	La_CompressedWodeStatustrio_MED ( Inc_CellA_toc_Dis_OPOHI, tor_AdTione, c_OPOH_CompressedWodeStatustrio)		
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16		+6,889709			Sto 7 to 5 Lacond Measurement Procedure
17	al loss	Hs_C3_CteckCelOCH (3u_CelA)			Step 10 interms.
18	185	(ton_TextBody = FALSE)		(P)	
14	TBP2	AM TRLO_AM_DATA_HO	cat_HearsannerReport(to_CelDedo dex, to:_RE2, cr_NeesReportmeRatess(*_*,*,*,*, *D	(I)	Bap Gin prova - FAL Incas a MassFragoritodora Lawor nday
5		THUE	in the second		
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*		STATT LUpperBauw84400			Proport Interval = 4000m/s Toterantes: 488 m/s (1954) Upper Timur = 4400m/s Fast MoseRep only Upper T eday to respect
0	1071	TREOUT LUXGENER	10	(7)	
8	THPT	AM 19LC_AM_DATA_INO CANCEL1_Woorffinand	Cal_MeasureveerReport the_CalDedu aled, 1%C,R83, rc_MeasUseprinterFlatMeas (15, ONT, wellev683C to_SGB_rterRAT_CALA, wellev683C to_SGB_rterRAT_CALA (ONT))	(F)	Step 5 in Links 6
8		ETART (_LowerRound(SEE), ETART (_Up etBoure(HEE)	•		Report Interval = 4000ms Totarense= 483 ms (33%) Uppet Timer = 4400ms LowerTimer = 3000ms
10	189-2	THE CONTACT WHERE A		(P)	
	198-7	THE COLL CARE BODY	and the second sec	01	Allow & Stationers
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12		+8_DingThrO			Dis 7 to 9 sec and Mean are due d Procedure
13		Ha_C3_ChereCeeDCH (3)/_Cere)			5Np 18 mprove.
14	TBE	(10+_TelfBirly = FALSE)		(7)	
10	1843	AM TRUCUM, DATAUND	cal_MeasurementRoport.tsCelDedc aled, tsc,R82, ts_R82,R82, ts_MeasUrepartInterRatMeas(*,*,*,*, *);	in.	2000 E in praito : FALL inceste a Mesan Report before Lower adae
il The Test					
a.		-th: Calculate Arthree (he: Calls.)			
1		dis TOPSEFICI - De TOCETO	12		
2		Dos_hferRAT_DL_CampressedModeRingum 81AMD (pt_hferRAT_UL_CampressedModeRingum baired 30			
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4) 		8T4RT L_SpeedBoundt 3206r	)		Proport interval w1 2008ms Tolerance = 1200 ms (10%) Upper Toment 13/08/00 m Prod Mean Rep only Upper T rockey in required
5		CPHP1CPHT_RL_Madd_RPG	ra_CompressedMarkEtal.chdir_PEQ.( INC_CVIA.INC_DL_DPCH1.IN_ALTIVA, I_DPCH_CompressedModeClab.ch100 activety_TOPSPECN(1))		
E		CENT CENT, RL, Mudit, CNF	is_CompressedHockinhCHF (htt_Cell		
Ŧ		CPHY1CPHY_RL_Musity_REQ	A IN LAL DEPTH IN, Compressed ModelStatus Into, REQ ( Int., Selle, Inc., DL, DPDH1, Inc., AdTime, I., DPCH_Compressed ModelStatus Into.		
		CPHY?CPHY_RL_Modify_CNF	isve(trs_TOPERFCH, 2, trs_TOCFN)) is_ComptexiseRedeinfoCh# (trs_Cell		
21	1 and 1	a Teatric (Tables and the second	A.M., DL. DPCHTI		
2	197.3	TTMEOUTE Capertourie	the state of the second state of the	(F)	Sheet With Longing
	1873	CAVCELT UpperEasest	Log - Management & High 1 (Inc., Cell Della And, Inc., RR2, Int_MediPhysiothyle/FieldMatas 115, ONT, were applied to the Cold, Interfact, Cell And Mathematical Cold, March 17, Cell B. OMTH.		

18		START LOW ROUT HOUR START U			Report Internation 2000eve
		ptwrExunat/12001			Tolenance= 1200 ww (19%) Upper Taiver 212200min.
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11	TEPA	TTMEOUT LowerBoard		(*)	and the second sec
32	TEP 4	TTMEOUTL Opperbound	the second s	0	
82	162-8	CANCEL LUIVENBOUNI	car, Master environmented of The _Cellored alext, toi_R82, or_MastReportInterRetMass (15, 0HT, endied830C_tor_S600, interRAT_Cello Cellor) Cellor	(14)	BBOD Dist Drove
ht.	TIFA	AN 'RLC_AN_DATA_IND	cm_MeasurersetReport(tor_CelDedic Mod, Inc_RED, cr_MeaoPrepartment(atMode(*,*,*,*, *);	ιe)	Blep R in prose FAL incass a Maschaportbefore Lover sday
	CALL	AM TRUC_AM_DATA_IND GANCEL_(_UpperBound	ray_MeasurementReport(bs_CalDedo Mol) Iss_R03_ ut_MeasGreputhdeRetMoss_mod(15, CMRT,vertindEDDC_bs_COBK_widefRet_ David_CentTi)	(m)	Disp. D in press
18		START (LowerRoad (1000), START (U peedbawer13200)			Report Interval = 13000ms Tatestation = 1280 mo (1994) Upper Tense = 12000ms Lance Tense = 18800ms
11	TEPA	TIME OUT LILOWIP POUR	19	(F)	
12	TRF 4	THEOUT1 UseeBound		ற	
13	TEPs	AM INC.C. AND DATA, ND CANCEL 1, UpperBound	cx_MeasurementReport(tic_CelDedic alka, tic_RB2); c_MapPropulsion#flutMeas(115,0MT, mitledB20; tic_GBM_pterRAT_CelB, certifiedB30; tic_GBM_pterRAT_CelB (AMT1);	(F)	Billey G in graine
	127.4	AM TRUC, AN DATA, IND	tar_bleasaonnenReport(tor_CellCedit 864, tor_RDC, m_MonsReportsteRableas(*,*,*,*, *)	(F)	Shig 9 in proce FAL incase a NeedRopart softwe Lawer 9 ruby
1		( [[mue] - ]])			
3		AWTRLC, AW_DATA, REG	cell, Moloceneret/Control (16), ColiDeri Italia, Ita, SH2, Ita, SH2, Ita, SH2, Colinarian Model/Interfuctive est., DOH, Incomplete Model/Interfuctive est., DOH, Incomplete Model/Interfuctive est., DOH, Sh2, Tenderic Harrison, ToPSRFCM, ten_TOCPH 31		31es / = \$+004
*		ETAHT L. Gase Bound(1224)			Report Internal =1200 ms Tolerancia=1200 ms (19%) Upper Timer =13390 ms Prod Neur/Sec only Upper Te rodary is required
5	189-3	TMEDUT LUpperScand		(f)	
a	1973	CAHCEL (_Speedbard	Ler, Means and Separate Report (Exc_CellDedic alest, Exc_MD2, m_Mean Reported Robins on (15, OMT, overholdSDC: Net_OSA, InterNAT_Cell (verticadSDC: Exc_OSA_interNAT_Cell 0, control 0, control	m	Oley I in physic
+		START LLowelSound (19000), START LLAW ediment 3200)			Report Atenda ut 2000ree Toteranue= 1200 ms (10%) Upper Tener n12200res Luxee Tener n
1.	TEP's	* TRECUT L Love Board		(P)	and the state of the state
8	TEF4	7 TIMEOUT 1_OpperBaund		(F)	
1	TBF4	AM TELC, ANL DATA, IND CRINCEL L'Appendiquest	cat_HeanurementReport(toc_CellDeck alant, 104_RR2,	(P)	Diep S to prove
			<pre>ct_meanspectrantiaMeas(15,0407, verbadESIC_tss_05M_interRAT_CeAA, verbadESIC_tss_05M_interPAT_Ceab, DeaT_))</pre>		
6	THES	AM TRLO_AM_DATA_ND	cat_MeasurementRisport(toc_CellDeck aled, 191_REC, 17_MeasurementRisportMeasurement 17_	(F)	Ebep 9 in prose FAL increas a Maachaport baltine Lower siday
			C1#12		

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Oxag PDO Name	D. DCH Wession
Demotion Park	
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The following MeasurementControlMessage constraints are added for UE not required Compressed Mode Gap Pattern.

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# 4.4 Change 3

Local Tree and Test step	Default GSM Cell Info and Measurement Control Message of tc_8_4_1_17
Reason for change	The NCC and BCC values for GSM Cells are not same in GSM Cell Create (SS end) and Measurement Control Message
Summary of change	The values of NCC and BCC for GSM cells are updated as follows: In constraint c_G_CellConfigInfoGSM900_CellB the NCC value changed to '100'B. In constraint cs_MeasurementControlInterRATMeas_DCH set the values of ncc =1 and bcc = 5 of InterRAT_cellIdA and ncc = 1 and bcc =4 of InterRAT_CellIdB.
Source of change	New change

#### Before:

ConstraintName	Name (0_costcontgradoSMB00_costB				
Tige Name Destador-Pats	0_CelConigints				
Encoding Venetion Contracts	Delastor Agentics para	makes for 054 450 values are taken from 30PP TO 34,123 Tablet 5			
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BOCH_FYRS	Contra Contra C	00088001119		ECCHROCH cores treasure (MFCDE ter vit Nors trapping Serving Left 7	
ICH_Fing		a_TCH_FreqOBM008_CellB		hequience planameters for traffic channels no AMPCN=12, as default value not given, the y sourced as bCCH_Freq+5	
sDCCHIL/Nm		e_SDCCHI_FHqCSMBSU_CHIB		Requerce parameters for stand alone dedice at channel, no happing ARFChild 17, as defa not given. Per value to assumed as SCCH_P	
RownWAP ServerLow	H	43		Downitrie transmission power tenot = 83 dB	
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ben.		1019		ES coleat code = 1019	
		ADM 1 BPULCOUNT	and Parcinetics		

Constraint Name	ts_NaissewertScentrolmarMcMass_DCH( p_mingstylnis:integrin(Stressins); p_mingstylnis:integrin(Stressins); p_mingst_Network_CH: TOPE_Provide Terry, p_Topst_Network_CH: TOPE_Provide Terry, t	
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#### After:

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tiH_Eeq		c_TCH_Fwe08M00_CwB		Requericy parameters for traffic channel no ARFON = 12, as default value not given, the sourced as ECCHL, Free+5		
eDCCH8_Free		<_SDCCH8_FreqSSH668_Cell8		Tequency parameters for stand able dedi- of channel, so hopping ATECN = 17, as def not given, the value is assumed as SCCH.)		
downin#PaverLee	ed.	63		Developing the emission power level to \$3 dB		
cellidenity		00610		cell identify:1 190210		
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18.4		1000		PLAN LOOK TO B - VETW		
		1000		the round court of 161 B		



# 4.5 Change 4

Local Tree and Test step	Physical Channel Params are not as per default in Physical Channel reconfiguration of tc_8_4_1_31
Reason for change	The DL_CommonInformation params (positionFixedOrFlexible and tfci_Existence) are not as per default contents for 25.331.
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".
Source of change	New change

#### Before:

Canthartfilate	c_DL_CommonitomationRE_SetUp_DL_SLCompressMadelinfly (p_SIX SFS12_AndPlot)
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Encoding Venation	New Web Control of Con
Convenients:	ggc_wPP
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# 4.6 Change 5

Constraints	In generic Constraints the RateMatchingAttribute value is not as per default value			
Reason for change	The rateMatchingAttribute value is not same in local end and peer end			
	configurations			
Summary of change	of change The rateMatchingAttribute value is set to 160 in following constraints, which is			
	being used for SRB configuration or reconfiguration in the most of the testcases.			
	(As per 25.331 section 13.7 Parameter values for default radio configurations)			
	c_DCH_148_TFS_DL			
	c_DCH_148_TFS_UE_UL			
	c_DCH_148_TFS_UL			
Source of change	As per 25.331 section 13.7 default parameter values			

#### Before:

a construction of the second	ABIX 1 Type Constraint Declaration
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# 5 Branches executed in test case 8.4.1.31

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

# 6 Execution Log Files

#### 6.1 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]:

# 7 References

#### [1] T1s040286

This archive comprises text format execution log file, PICS/PIXIT file and the TTCN MP file.

CHANGE REQUEST				
<sup>#</sup> TS 34.1	123-3 CR <sup>261</sup>	Current version: <b>3.5.1</b> <sup>#</sup>		
For <u><b>HELP</b></u> on using this form, see bottom of this page or look at the pop-up text over the $\Re$ symbols.				
Proposed change affects:       UICC apps       ME       Radio Access Network       Core Network				
Title: # Re	vised CR for addition of GCF P2 test case 12.4.2	2.2 to NAS ATS V3.5.1		
Source: % Ro	hde & Schwarz			
Work item code: # N/A	A	<b>Date:</b>		
Category: # B Use Det be f Reason for change: # Summary of change: #	<ul> <li>e one of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier release)</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>tailed explanations of the above categories can found in 3GPP <u>TR 21.900</u>.</li> <li>C To add verified GCF package 2 NAS test case V3.5.1</li> <li>C This document lists all changes applied to test approval.</li> <li>See detailed change description for further info</li> </ul>	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)		
Consequences if # not approved:	Test case will not be added to ATS			
Clauses affected: % N/A				
Other specs #	Y       N         X       Other core specifications       #         X       Test specifications       #         X       O&M Specifications       *			
Other comments: #	ß			

#### How to create CRs using this form:

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

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

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

Title:	Changes to test case 12.4.2.2 required for approval	
Source:	Rohde & Schwarz	
Agenda Item:	TTCN Issues	
Document for:	Approval	
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731	

# 1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 12.4.2.2 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

# 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Corrections required for test case 12.4.2.2.	2
3.1	Introduction	2
3.2	tc 12 4 2 2 (WA#NAS4447)	2
# **3** Corrections required for test case 12.4.2.2

#### 3.1 Introduction

This section describes the changes required to make test case 12.4.2.2 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS\_wk17.mp which is part of the iWD-TVB2003-03\_D04wk17 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

#### 3.2 tc\_12\_4\_2\_2 (WA#NAS4447)

Test step name	tc_12_4_2_2 : It_TestBody
Reason for change	In TTCN Row 17 test step "ts_RRC_InitVariablesPS" should not be used, as it incorrectly initalises 'tcv_CellInfoA.cellConfig' to "cell_NotConfigured".
	This thereby affects subsequent test steps such as 'ts_RRC_Security' (Security Mode Command), as the appropriate start values will not be configured.
Summary of change	Replaced TTCN Rows 17 & 18, with local test step "It_PagingType2". This local test step is now used to check the appropriate paging cause based on the pixit settings. This way no other variables are changed.
	New shares

Source of change New change

Label WA#NAS4447

It_TestE	30.0Y		
0	(trv_TestBody ≔ TRUE)		@sic VB no verdict needed slc@
1	+ts_GMM_TriggerPSRegistrationAtSwitchOn_NMO_I_NoT MSI (tsc_CellA)		@sic VB T1s-040256 sic@
2	+it_Attach_Steps_3To5		
3	+It_Initiate_CS_Call		Step 6
4	+It_UtranMobilityInfo		Steps 8a to 8b
5	+It_RAUpd_Steps_9To11		
6	AM I RLC_AM_DATA_REO	cas_RRC_SignallingConnRel (tsc_CellD edicated, tsc_RB2, cs_RRC_SignallingConnRel ( tcv_Cellindinfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, ps_domain ) )	Step 11a. The SS releases the PS sig nalling connection, but keep s the RRC connection @sic VB T1s-040256 sic@
7	(t_PagingType2)		WA#NAS4447
8	+It_aerviceRequest		Step 13
9	+It_Terminate_CS_Call		Step 14
10	+It_RAUpd_Steps_14aTo14c		
11	+ts_GMM_DetachOnSwitchOff(tsc_CellA)		Step 14 and 15
It_Attach	_Steps_3To5		

It_Pagin	gType2		
0	[ pc_Interactive AND ( px_RRC_PS_ServTested = ps_Inter active) ]		WAPNAS4447
1	AM ! RLC_AM_DATA_REQ	cas_PagingType2(tsc_CellDedicated, ts c_RB2, cs_108_PagingType2(tcv_CellIndinfo.dl_ IntegrityCheckInfo, tcv_RRC_Ti, ps_domain, terminatingInter activeCall )	Step 12. WADNAS4447
0	[ pc_Background AND ( px_RRC_PS_ServTested = ps_Ba ckground) ]		WARNAS4447
1	AMIRLC_AM_DATA_REQ	cas_PagingType2(tsc_CellDedicated, ts c_RB2, cs_108_PagingType2 (tcv_CellIndinfo.dl_ IntegrityCheckInfo, tcv_RRC_TI, ps_domain, terminatingBac kgroundCall )	Step 12. WA#NAS4447

CR-Form-v7 CHANGE REQUEST		
<sup>ж</sup> TS 34	<b>.123-3</b> CR <sup>262</sup> <b># rev</b> - <sup>#</sup> Current version: <b>3.5.1</b> <sup>#</sup>	3
For <u>HELP</u> on usi	ing this form, see bottom of this page or look at the pop-up text over the $st$ symbol	ols.
Proposed change af	fects: UICC apps# ME Radio Access Network Core Netw	ork
Title: # A	Addition of RRC test case 8.3.2.11 to RRC ATS V3.5.1	
Source: ೫ <mark>೯</mark>	Rohde & Schwarz	
Work item code:   🔥	N/A Date: # 29/04/2004	
Category: %	B       Release: # R99         Jse one of the following categories:       Use one of the following release         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         Detailed explanations of the above categories can       Rel-4       (Release 4)         be found in 3GPP TR 21.900.       Rel-5       (Release 5)         ** To add verified GCF package 3 RRC test case 8.3.2.11 to the approved RRM V3.5.1       ***         *** This document lists all changes applied to test case 8.3.2.11 required for approval.       See detailed change description for further information.	es: C ATS
Consequences if not approved:	# Test case will not be added to ATS	
Clauses affected:	ж N/A	
Other specs affected:	Y       N         X       Other core specifications       %         X       Test specifications       %         X       O&M Specifications	
Other comments:	<mark>Ж</mark>	

#### How to create CRs using this form:

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

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

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

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

### Tdoc #T1s040262

Title:	Changes to test case 8.3.2.11 required for approval	
Source:	Rohde & Schwarz	
Agenda Item:	TTCN Issues	
Document for:	Approval	
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731	

### **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.2.11 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

1	Overview	1
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4	Execution Log Files	2
4.1	Nokia 3G Ue 7600	2
5	References	2

## **3** Verification Test Summary

Test Case:	TC_8_3_2_11
Test Group:	RRC/ RRC_URA_Update /
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

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.3.2.11:

WA#RRC4339

### Branches executed in test case 8.3.2.11

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

## 4 Execution Log Files

#### 4.1 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\_11\_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\_11-pics-pixit-Nokia.html Text file containing all PICS/PIXIT parameters used for testing.

## **5** References

#### [1] T1s040263 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7 CHANGE REQUEST		
<sup>#</sup> TS 34. <sup>-</sup>	123-3 CR <sup>263</sup> #rev <sup>-</sup> <sup>#</sup>	Current version: <b>3.5.1</b> <sup>#</sup>
For <u>HELP</u> on using	g this form, see bottom of this page or look at the	e pop-up text over the # symbols.
Proposed change affe	ects: UICC apps# ME Radio A	ccess Network Core Network
Title: % Ad	dition of RRC test case 8.4.1.30 to RRC ATS V3	3.5.1
Source: # Ro	hde & Schwarz	
Work item code: # N//	4	<i>Date:</i>
Category: # B Usi Dei be	<ul> <li>e <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier release</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>tailed explanations of the above categories can found in 3GPP <u>TR 21.900</u>.</li> <li>* To add verified GCF package 3 RRC test case V3.5.1</li> <li>* This document lists all changes applied to tes approval.</li> <li>See detailed change description for further information of the second secon</li></ul>	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)
Consequences if and the state of the state o	Test case will not be added to ATS	
Clauses affected:	\$ N/A	
Other specs ३ affected:	YNXOther core specificationsXTest specificationsXO&M Specifications	
Other comments:	£	

#### How to create CRs using this form:

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

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

Title:	Changes to test case 8.4.1.30 required for approval	
Source:	Rohde & Schwarz	
Agenda Item:	TTCN Issues	
Document for:	Approval	
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731	

### **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.30 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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4.3	tc_8_4_1_30 (WA#RRC4370)2
4.4	tc_8_4_1_30 (WA#RRC4375)3
4.5	tc_8_4_1_30 (WA#RRC4324)3
4.6	tc_8_4_1_30 (WA#RRC4376)4
4.7	tc_8_4_1_30 (WA#RRC4377)4
4.8	tc_8_4_1_30 (WA#RRC4328)5
4.9	tc_8_4_1_30 (WA#RRC4327)5
4.10	tc_8_4_1_30 (WA#RRC4326)6
4.11	ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (WA#RRC4323)6
4.12	c_TFC_Allowed_0_1_5_6 (WA#RRC4367)7
4.13	c_TFC_Allowed_0_1_5_6 (WA#RRC4368)7
4.14	cas_TranportFormatCombCtrlAM (WA#RRC4365)7
4.15	cbs_TransportFormatCombCtrl (WA#RRC4366)8
Brand	ches executed in test case 8.4.1.309
5	Execution Log Files
5.1	Nokia 3G Ue 7600
5.2	Motorola 3G UE A8359
6	References9

## **3** Verification Test Summary

Test Case:	TC_8_4_1_30
Test Group:	RRC/ RRC_Measurements /
ATS Version:	iWD-TVB2003-03_D04wk15 + 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 8.4.1.30

#### 4.1 Introduction

This section describes the changes required to make test case 8.4.1.30 run correctly with a 3G UE. All modifications are marked with label "WA#RRC<number>" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC\_wk15.mp which is part of the iWD-TVB2003-03\_D04wk15 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 8.4.1.30:

WA#RRC4339

#### 4.2 tc\_8\_4\_1\_30 (WA#RRC4369)

Test step name	tc_8_4_1_30
Reason for change	The mac buffer must be above the threshold at all times for the UE to send measurement report message just after time to trigger and Pending time. By increasing the data size and applying TFC restriction, there are consistent measurement report within the set time frame.
Summary of change	Added Transport Format combination control message and applied SS MAC restriction
Source of change	New Change
Label	WA#RRC4369

#### 4.3 tc\_8\_4\_1\_30 (WA#RRC4370)

Test step name	tc_8_4_1_30
----------------	-------------

Reason for change	The mac buffer must be above the threshold at all times for the UE to send
0	measurement report message just after time to trigger and Pending time. By
	increasing the data size and applying TFC restriction, there are consistent

measurement report within the set time frame.

Sun	nma	ary of o	change	Increased the Data to size 4160			
Sou	irce	of cha	ange	New Change			
Lab	el			WA#RRC4370			
	7		+ts_Tos ode (tsc_C	StateMT_PS_6_100r6_11_ActivateRB_TestM SellA >			
	B		AMIRL	.C_AM_DATA_REQ	cas_TranportFormatCombCtrIAM ( tsc_CellDedeoted, 18st_R82, cbs_TransportFormatCombCtrl (tcv_Cell ndinfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, t_RRC_Ti, t_RRC_Allowed_0_1_5_50)	)	WAPRC4369
	9		+ts_TC tsc_CellD tsc_UE_T c_UE_Test tsc_RB2	C_CloseUE_TestLoop( edicated, estLoopMode1, LoopMode1_LB_Setup(4160, 0))			WWWRRC4370
	10		(1tv_F B_Interaction	RB_Data1 := 0_GetMostSignificantBits ( px_R mOrBackground , 4160 ) .)			WA#RRC370
	11	<	+ts_S G_Allowed	S_TFC_Restriction (tsc_CellDedicated, c_TP _0_1_5_6, c_TFC_Allowed_0_1_to_9.)	>		WA#RRC4369
	12		+It_T	estBody			
	13		+ро,	_ConnectionAndSS_Rels			Postamble : To release the RRC connection and all the SS configuration
	14	ERR1	[px_RAT =	tdid]			TDD specific behaviour
	15	ERR2	[TRUE]			1	

## 4.4 tc\_8\_4\_1\_30 (WA#RRC4375)

Test step name	tc_8_4_1_30
Reason for change	According to the prose SS configures the transport channel traffic volume to exceed threshold and then send Measurement
Summary of change	Introduced Local test step lt_startLoopback_data to start loop back data before measurement control message.
Source of change	New Change
Label	WA#RRC4375

### 4.5 tc\_8\_4\_1\_30 (WA#RRC4324)

Test step name	tc_8_4_1_30
Reason for change	According to the test procedure, the measurement control message should only contain information about 4a.
Summary of change	Changed traffic volume reporting criteria from
	$\label{eq:c_TrafficVolumeReportingCriteriaEvent4ab} (\ OMIT,\ e4a,\ th256,\ ttt100,\ ptat2\ , OMIT,\ e4b,\ th32,\ ttt100,\ ptat2,\ OMIT\ ),\ eventTrigger\ )\ )$
	to
	<b>c_TrafficVolumeReportingCriteriaEvent4a4b</b> ( OMIT, e4a, th256, ttt100, ptat2 , OMIT ), eventTrigger ) )
Source of change	New Change
Label	WA#RRC4324

### 4.6 tc\_8\_4\_1\_30 (WA#RRC4376)

Test step name	tc_8_4_1_30
Reason for change	Initial tolerance value is too small for the measurement report to be received. The measurement report message is received within 430ms ( the delay is due to L1, L2 Proceessing and TTCN implementation).

Summary of change Increased the tolerance timer to 900ms

Source of change New Change

Label WA#RRC4376

16 TBS	(tox_TeetBody = TRUE)		
17	+it_startLoopback_data		VOJRRC4375
18	AMURIC AM DATA BER	cas_MeasurementControl (tsc_CellDedic ated, 1st_RB2, cs_MeasurementControlTrafficVolumeSet up (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, 15, (dch : 1), fc_BufferPayload : NULL, TRUE, FALSE, FALSE, (ue_State-self_DCFI), fafficVolumeReportingCriteria : c_Traffic VolumeReportingCriteriaEvent4a4b (_OMI Ie4a,th256, tt1100, ptat2 , OMIT ), eventT riodeD12	Step 2 in prose WA#RRC4324
19	AM IRLC_AM_TestDataReq	cas_RLC_AM_DataReg (tsc_CellDedicat ed, tsc_RB20, c_TrD_Data(tcv_RB_Data 1))	
20	(tcv_Tolerance = 900)		WAPRRC4376
t_startLo	oopback_data		
42	AMTRLC_AM_TestDataReg	<pre>cas_RLC_AM_DataReq(tsc_CellDedi cated, tsc_RB20, c_TrD_Data(tcv_RB_ Data1))</pre>	
43	AM ? RLC_AM_TestDataInd	car_RLC_AM_Dataind (tsc_CellDedica ted, tsc_RB20, c_TrD_Data (tcv_RB_D ata1))	
44	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedi cated, tsc_RB20, c_TrD_Data(tcv_RB_ Data1 ) )	
45	AM ? RLC_AM_TestDataind	car_RLC_AM_Dataind (tsc_CellDedica ted, tsc_RB20, c_TrD_Data (tcv_RB_D ata1))	
46	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedi cated, tsc_RB20, c_TrD_Data(tcv_RB_ Data1.).	

### 4.7 tc\_8\_4\_1\_30 (WA#RRC4377)

Test step name	tc_8_4_1_30
Reason for change	In order to cater for the last data that was send before the measuerment control message and also to trigger the loop back data if measurement report message is not received.
Summary of change	Introduced a new local test step +It_CheckFirstMeasReport
Source of change	New Change
Label	WA#RRC4377

21	START t WaitMS (100 + tcv_Tolerance)		
22	+It_CheckFirstMeasReport		Step4 WA#RRC4377
23	+It_CheckMeasReport(2100)		Step5
CheckFir	stMeasReport		
47	AM 7 RLC_AM_TestDataind	<pre>car_RLC_4M_DataInd (tax_CellDedicated, tax_R B20, x_TrD_Data (tov_RB_Data1) )</pre>	
48 Loop1	AM ! RLC_AM_TestDataReq	<pre>cas_RLC_AM_DataReg(tsc_CellDedicated, tsc _RB20, c_TrD_Data(tsv_RB_Data1))</pre>	
4.9	AM ? RLC_AM_TestDataind	<pre>car_RLC_4M_DataInd (tax_CellDedicated, tac_R B20, x_TrD_Data (tov_RB_Data1) )</pre>	V04#RRC4327
50	->Loop1		
51	AN ?RLC_AM_DATA_IND	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafit/volume (15, ? , OMIT, OMI T, c_EventResults (dch : 1, e4e )))</pre>	(P) Step 4 in prose
52	CANCELLWARMS		
53	AM ? RLC_AM_TestDataind	<pre>car_RLC_AM_DataInd (tst_CellDedicated, tsc_R B20, t_TrD_Data (tot_RB_Data1) )</pre>	(P)
54	AM ? RLC_AM_TestD ataind	car_RLC_AM_DataInd (tsc_CeliDedicated, tsc_R 820, c_TrD_Data (toc_R8_Data1) )	
56	? TIMEOUT L_WaitMS		(F)
56	AN ?RLC_AN_DATA_ND	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTraffit/Volume (16, ? , OMIT, OMI T, c_EventResults (dch : 1, e4a )))</pre>	(9)
57	CANCEL L_WWWB		
58	AM ? RLC_AM_TestDataInd	<pre>car_RLC_AM_DataInd (tst_CeliDedicated, tst_R B20, t_TrD_Data (tot_RB_Data1) )</pre>	
59	AM ? RLC_AM_TestDataInd	car_RLC_4M_DataInd (tat_CellDedicated, tac_R B20, c_TrD_Data (tov_RB_Data1) )	

## 4.8 tc\_8\_4\_1\_30 (WA#RRC4328)

Test step name	tc_8_4_1_30		
Reason for change	To perform Deactivation of RB Test mode before Releasing the connection (ts_C3_CheckCellDCH)		
Summary of change	ary of change Included + ts_TC_DeactivateRB_TestMode (tsc_CellA)		
Source of change	:hange New Change		
Label	WA#RRC4328		
37 0	CANCEL 1_WeIMS		
38	+ ts_TC_OpenUF_TestLoop (tsr_CellA)		
39 , <	IS_TC_DeactivateRB_TestMode (tsc_CellA)		WAPRC4328
40	*ts_C3_CheckCellDCH (1sc_CellA)		Step 8
41 TBE	(trv_TestBody = FALSE)	(P)	

## 4.9 tc\_8\_4\_1\_30 (WA#RRC4327)

Test step name	tc_8_4_1_30
Reason for change	The Data is sent on RB20.
Summary of change	Changed from Tsc_CellA to tsc_CellDecicated.
Source of change	New Change
Label	WA#RRC4327

### 4.10 tc\_8\_4\_1\_30 (WA#RRC4326)

Test step name	tc_8_4_1_30
Reason for change	In order to keep the traffic volume above the threshold, the data must be sent/received continuously.
Summary of change	Modified the test step It_CheckMeasReport, to send and receive data continously and to receive measurement report.

Source of change New Change

CheckMe	asReport(pTimer : INTEGER)		
60	START t_WaitMS ( pTimer + tcv_Tolerance)		
61 Loop2	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq_tsr_CellDedicat ed, tsr_RB20, c_TrD_Data(tev_RB_Data 1))	WARRC4327
62	AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicate d, tsc_RB20, c_TrD_Data (tcv_RB_Data1 ))	WARRC4327
63	->Loop2		
64	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedica (P) ted, tsc_RB2, cdr_MeasReportTrafficVolume (15, ?, OM IT, OMIT, c_EventResults (dch:1, e4a)))	Step 4 in prose
65	CANCEL 1_WaitMS		
66	AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tst_CellDedicate (P) d, tst_RB20, t_TrD_Data (tcv_RB_Data1 ))	WARRC4327
67	2 TIMEOUT I WaitMS	(F)	

### 4.11 ts\_ToStateMT\_PS\_6\_10Or6\_11\_ActivateRB\_TestMode (WA#RRC4323)

Test step name	ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode
Reason for change	According to the prose RB Test mode should only be activated.
Summary of change	Modified the test step to activate RB test mode only. Removed PDP triggering.
Source of change	New Change
Label	WA#RRC4323

La	al	0	el	
	1	F		

			Те	st Step			
Test Step Id: ts_ToStateMT_PS_6_100r6_11_ActivateRB_TestMode (p_Cellid : INTEGER)							
Test Step Group Ref. RRC_Steps/							
Objective:							
Defaults:			RRC_Def1	RRC_Deft			
Cor	mment	90	@SIC_NAPP, WA#RRC4323				
	La		Behaviour Description	Constraint Ref		Comments	
1		+ ts_RRC	_ConnEstPS_MT_P5_P6 (p_Cellid)				
2		+ ts_GMN	(_Authentication(p_CellId)				
3       +ts_RRC_Security(         p_Cellid,       tcv_AuthCK,         tcv_AuthIK,       tcv_AuthIK,         tcv_AuthKcGSM, TRUE, ps_domain)       4         4       +ts_TC_ActivateRB_TestMode (p_Cellid)         5       +ts_RRC_SetUpRAB (p_Cellid, tcv_RAB_id, tcv_R         RC_RAB_Type)       1		+ts_RRC p_Cellid, tcv_AuthC tcv_AuthIK tcv_AuthIK	c_Security( K, (, cGSM, TRUE, ps_domain )				
		+ ts_TC	_ActivateRB_TestMode (p_Cellid)				

### 4.12 c\_TFC\_Allowed\_0\_1\_5\_6 (WA#RRC4367)

WA#RRC4367

Label

Test step name	c_TFC_Allowed_0_1_5_6
Reason for change	To allow TFC 0,1,5,6
Summary of change	Introduced new asn.1 type c_TFC_Allowed_0_1_5_6
Source of change	New Change

ASN.1 Type Constraint Declaration
Constraint Name: c\_TFC\_Allowed\_0\_1\_5\_6
Group:
Type Name: TFC\_Subset
Derivation Path:
Encoding Variation:
Comments: @SIC\_NAPP. WA#RRC4367
Constraint Value
allowedTFC\_List:(0,1,5,6)

### 4.13 c\_TFC\_Allowed\_0\_1\_5\_6 (WA#RRC4368)

Test step name	c_TFC_Allowed_0_1_5_6
Reason for change	To allow TFC 0,to 9
Summary of change	Introduced new asn.1 type c_TFC_Allowed_0_1_to_9
Source of change	New Change
Label	WA#RRC4368

-		ASN.1 Type Constraint Declaration		
146		Constraint Name: c_TFC_Allowed_0_1_to_9		
	8	Oroup:		
	8	Type Name: TFC_Subset		
	8	Derivation Path:		
	8	Encoding Variation:		
		Comments: @SIC_NAPP. WA#RRC4368		
		Constraint Value		
	No.	allowedTFC_List: { 0, 1, 2,3,4,5,6,7,8,9}		

### 4.14 cas\_TranportFormatCombCtrIAM (WA#RRC4365)

Test step name	cas_TranportFormatCombCtrlAM
Reason for change	To include Transport Format combination control msg.
Summary of change	Introduced new ASP cas_TranportFormatCombCtrIAM
Source of change	New Change
Label	WA#RRC4365

- :	ASN.1 ASP Constraint Declaration		
Constraint Name: cas_TranportFormatCombCtrIAM ( p_Cellid: INTEGER; p_RB_Id: INTEGER; p_Rdu: DL_DCCH_Message )			
8	Group:		
8	ASP Name:	RLC_AM_DATA_REQ	
	Derivation Path:		
8	Comments:	WA#RRC4365	
		Constraint Value	
{     cellId p_CellId,     routingInfo rB_Identity: p_RB_Id,     confirmationRequest noConfirmationRequest NULL,     aM_message dL_DCCH_Message : p_Pdu }			

### 4.15 cbs\_TransportFormatCombCtrl (WA#RRC4366)

Test step name	cbs_TransportFormatCombCtrl
Reason for change	To include Transport Format combination control msg.
Summary of change	Introduced new PDU cbs_TransportFormatCombCtrl
Source of change	New Change

Label

WA#RRC4366

		ASN.1 PDU Constraint Declaration			
	Constraint Name:	cbs_TransportFormatCombCtrl ( p_IntegrityCheckInfo : IntegrityCheckInfo ; p_RRC_Ti : RRC_TransactionIdentifier; p_TFC : TFC_Subset)			
100	Group:				
100	PDU Name:	DL_DCCH_Message			
133	Derivation Path:				
	Encoding Rule Name:				
3	Encoding Variation:				
	Comments:	Transport Format Combination Control message used to restrict the UL TFCIs VOVERC4366			
0.000	Constraint Value				
	{ integrityCheckInfo p_ message transportFo ( rrc_TransactionIdeni modeSpecificInfo fdd dpch_TFCS_InUplin tfc_ControlDuration i laterNonCriticalExter }	IntegrityCheckInfo , irmatCombinationControl : # NULL, # p_TFC, OMIT, nsions OMIT			

### Branches executed in test case 8.4.1.30

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\_4\_1\_30\_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\_4\_1\_30-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\_4\_1\_30\_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\_4\_1\_30-pics-pixit-Motorola.html** Text file containing all PICS/PIXIT parameters used for testing.

### 6 References

[1] T1s040261

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

CHANGE REQUEST				
<sup>ж</sup> TS 34	4.123-3 CR <sup>264</sup> <b># rev</b> - <sup>#</sup> Current v	ersion: <b>3.5.1</b> <sup>#</sup>		
For <u>HELP</u> on usi	ing this form, see bottom of this page or look at the pop-up te	ext over the # symbols.		
Proposed change af	ffects: UICC apps# ME Radio Access Net	vork Core Network		
Title: # A	Addition of RRC test case 8.4.1.29 to RRC ATS V3.5.1			
Source: ೫ <mark>F</mark>	Rohde & Schwarz			
Work item code: 🕱 📘	N/A Date:	ж <mark>28/04/2004</mark>		
Category: %	B       Release:         Use one of the following categories:       Use one         F (correction)       2         A (corresponds to a correction in an earlier release)       R96         B (addition of feature),       R97         C (functional modification of feature)       R98         D (editorial modification)       R99         Detailed explanations of the above categories can       Rel-4         be found in 3GPP TR 21.900.       Rel-5         * X To add verified GCF package 3 RRC test case 8.4.1.29       V3.5.1         e: X This document lists all changes applied to test case 8.4.       approval.         See detailed change description for further information.       See detailed change description for further information.	<b>%</b> R99         of the following releases:         (GSM Phase 2)         (Release 1996)         (Release 1997)         (Release 1998)         (Release 1999)         (Release 5)         (Release 6)		
Consequences if not approved:	# Test case will not be added to ATS			
Clauses affected:	ж <mark>N/A</mark>			
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications			
Other comments:	ж			

#### How to create CRs using this form:

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

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

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

Title:	Changes to test case 8.4.1.29 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

### **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.29 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_4_1_29
Test Group:	RRC/ RRC_Measurements /
ATS Version:	iWD-TVB2003-03_D04wk15 + 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 8.4.1.29

#### 4.1 Introduction

This section describes the changes required to make test case 8.4.1.29 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\_wk15.mp which is part of the iWD-TVB2003-03\_D04wk15 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 8.4.1.29:

WA#RRC4339

#### 4.2 Tc\_8\_4\_1\_29(WA#RRC4322)

Test step name	Tc_8_4_1_29		
Reason for change	According to the prose this must be a Mobile Terminated Call.		
Summary of change	Changed from		
	+ts_ToStateMO_PS_6_10Or6_11_ActivateRB_TestMode ( tsc_CellA )		
	to		
	+ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode ( tsc_CellA )		
Source of change	New Change		
Label	WA#RRC4322		

#### 4.3 Tc\_8\_4\_1\_29(WA#RRC4371)

Test step name	Tc_8_4_1_29

**Reason for change** The mac buffer must be above the threshold at all times for the UE to send measurement report message just after time to trigger and Pending time. By increasing the data size, there is consistent measurement report within the set

#### time frame.

Summary of change	ncreased the Data to size ?	1440
-------------------	-----------------------------	------

Source of change New Change

Label

WA#RRC4371

Nr	Label	Behaviour Description	Constraint Ref	V	Comments
1		START t_Guard			
2		[px_RAT = fdd]			FDD specific behavio ur
3		+ts_RRC_InitVariablesPS (cell_FACH)			
4		+ts_SS_CreateCellFACH (tsc_CellA)			Configure lower teste r
5		+ts_SendDef_sysInfo_MultiCell(tsc_CellA)			Sends the default sys tem information in Ce IIA
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Fach stat e and release the con nection again
7		TS_ToStateMT_PS_6_10Or6_11_ActivateRB_ TestMede (tsc_CellA)	>		WA#RRC4322
8		+ts_TC_CloseUE_TestLoop( tsc_CellDedicated, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup (1440, tsc_R B20))			WA#RC4371
9		(tcv_RB_Data1 := o_GetMostSignificantBits ( px_RB_InteractiveOrBackground , 1440 ) )			WA <mark>#</mark> RRC4371
10		+It_TestBody			
11		+po_ConnectionAndSS_Rels			Postamble : To releas e the RRC connection and all the SS config uration
12	ERR1	[px_RAT = tdd]			TDD specific behavio ur
13	ERR2	ERR2 [TRUE] I			
It_Te	estBody				

### 4.4 Tc\_8\_4\_1\_29: It\_TestBody (WA#RRC4372)

Test step name	Tc_8_4_1_29: It_TestBody	
Reason for change	According to the prose SS configures the transport channel traffic volume to exceed threshold and then send Measurement control message	
Summary of change	Introduced Local test step lt_startLoopback_data to start loop back data before measurement control message.	
Source of change	New Change	
Label	WA#RRC4372	

#### 4.5 Tc\_8\_4\_1\_29: It\_TestBody (WA#RRC4373)

Test step nameTc\_8\_4\_1\_29: It\_TestBodyReason for changeInitial tolerance value is too small for the measurement report to be<br/>received.The measurement report message is received within 430ms ( the<br/>delay is due to L1, L2 Proceessing and TTCN implementation).

Summary of change Increased the tolerance timer to 900ms

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

Label WA#RRC4373

LΤ	estBody	
14	TBS (tcv_TestBody = TRUE)	
15	+ts_SysInfoModifySIB12_MIB_RRC , c_SIB12_TrafficVolume_EventBas nfoA , tcv_CellinfoB, tcv_CellinfoC, t tcv_CellinfoE, tcv_CellinfoF, tcv_Cel ellinfoH), tsc_Now)	tsc_CellA, 2 Step 1a & 1b d (tcv_CellI _CellInfoD, nfoG, tcv_C
16	<pre>( +it_startLoopback_data</pre>	WA#RRC4372
17	XM+RLC_AM_DATA_REG	cas_MeasurementControl (tsc_CellD Step 2 in prose; edicated, tsc_RB2, cs_MeasurementControlTrafficVolum eSetup (tcv_CellIndInfo.dl_IntegrityCh eckInfo, tcv_RRC_Ti, 15, c_TrafficVolumeMeasurementObjectL ist, ric_BufferPayload : NULL, TRUE, FALSE, FALSE, {ue_State all_But_Cell_DCH }, trafficVolumeReportingCriteria : c_Tr afficVolumeReportingCriteria (OMIT, e4a, th8, ttt100, ptat1, txiat0_25), even tTrigger))
18	( toy Tolerance := 900 )	WA#RRC4373
19	START t Waiting (198 + Icy Tole	nce)

31	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedic ated, tsc_RB20, c_TrD_Data(tcv_RB_D ata1 ))	
32	AM ? RLC_AM_TestDataInd	<pre>car_RLC_AM_DataInd (tsc_CellDedica ted, tsc_RB20, c_TrD_Data (tcv_RB_D ata1))</pre>	
33	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedic ated, tsc_RB20, c_TrD_Data(tcv_RB_D ata1))	
34	AM ? RLC_AM_TestDataind	<pre>car_RLC_AM_DataInd (tsc_CellDedica ted, tsc_RB20, c_TrD_Data (tcv_RB_D ata1))</pre>	
35	AMIRLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedic ated, tsc_RB20, c_TrD_Data(tcv_RB_D ata1))	

## 4.6 Tc\_8\_4\_1\_29: It\_TestBody (WA#RRC4374)

Test step name	Tc_8_4_1_29: It_TestBody
Reason for change	In order to cater for the last data that was send before the measuerment control message, and to trigger the loop back data if measurement report message is not received.
Summary of change	Introduced a new local test step +It_CheckFirstMeasReport
Source of change	New Change
Label	WA#RRC4374

19	START t_WeitMS (100 + tcv_Tolerance)	
20	+It_CheckFirstMeasReport	Step 3 in prose;
21	+It_CheckMeasReport (1100)	Step 4 in prose;

10	heckFire	tMeasReport			
36	_	AM 2 EL C_AM_TOSTDataind	car_RLC_AM_Dataind (tsc_CellDedicated, tsc _RB20, c_TrD_Data(tcv_RB_Data1) )		
37	Loop1	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReg (tsc_CellDedicated, ts c_RB20, c_TrD_Data(tcv_RB_Data1))		WA#RRC4319
38		AM ? RLC_AM_TestDataind	car_RLC_AM_Dataind (tsc_CellDedicated, tsc _RB20, c_TrD_Data@cv_RB_Data1))		WA#RRC4319
39		->Loop1			
40		AM ?RLC_AM_DATA_IND (trx_TrafficVolMeas_Results = RLC_AM_DATA_IND.aM_mess age.ut_DCCH_Message.message.measurementReport.meas uredResults.trafficVolumeMeasuredResultsList, tov_RB_SRB_ ReceiveList = (trx_TrafficVolMeas_Results.[0].rb_identity, try_ rafficVolMeas_Results.[1].rb_identity, tov_TrafficVolMeas_Result ts [2].rb_identity, try_TrafficVolMeas_Results.[3].rb_identity, try_ TrafficVolMeas_Results.[4].rb_identity())	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rachoropoch : N ULL, e4a)))	(P)	Step 3 in prose; @sic Thomas CR T1-0315 02 sic@
41		+ts_CheckRBsInTraffcVolMeas (tcv_RB_SRB_ReceiveList, c _RB_SRB_RAB_List)			@sic Thomas CR T1-0315 82 sic@
42		CANCEL t_WaitMS			
43		AM ? RLC_AN_TestDataInd	car_RLC_AM_Dataind (tsc_CellDedicated, tsc _RB20, c_TrD_Data(tcv_RB_Data1) )	(P)	
44		? TIMEOUT L WAIMS		(F)	
45		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.aM_mess age.uL_DCCH_Message.message.measuremenReport.meas uredResults.trafficVolmeMeasuredResultsList_tcv_RB_SRB_ ReceiveList := (tcv_TrafficVolMeas_Results.[0].rb_identity, tcv_ rafficVolMeas_Results.[1].rb_identity, tcv_TrafficVolMeas_Result s[2].rb_identity, tcv_TrafficVolMeas_Results.[3].rb_identity, tcv_ TrafficVolMeas_Results.[4].rb_identity()	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rachoropch : N ULL, e4a)))	(P)	
48		+ts_CheckR8sinTraffcVolMeas (tcv_R8_SR8_ReceiveList, c_ R8_SR8_RA8_List)			
47		CANCEL L_WaIMS			
48		AM ? RLC_AM_TestDataInd	car_RLC_AM_Dataind (tsc_CellDedicated, tsc	(P)	

### 4.7 Tc\_8\_4\_1\_29: It\_TestBody (WA#RRC4320)

Test step name Tc\_8\_4\_1\_29: It\_TestBody

**Reason for change** To ensure that the UE does not send measurement report when no data is sent on RB20. The timer is extended to 2\*(time to trigger+pending time after tigger)

Summary of change Changed the timer value from 100 + tcv\_Tolerance to 2200 + tcv\_Tolerance

Source of change New Change

Label

WA#RRC4320

21	+It_CheckMeasReport (1100)			Step 4 in prose;
22	START t_WaithS (2200 tov_Tolerance)			Initialize thewait timert o 100 mseconds WA#RRC4320
23	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDed icated, tsc_RB2, cr_MeasReportEventBasedTrafficVolum e (15, ?, OMIT, OMIT, c_EventResults ( rachorcpch : NULL, e4a)))	(F)	Step 4b in prose;
24	? TIMEOUT t_WaitMS		(P)	

### 4.8 Tc\_8\_4\_1\_29: It\_TestBody (WA#RRC4321)

Test step name		Tc_8_4_1_29: It_TestBody				
Reason for change		To perform OpenUE_testloop and DeactivateRB_T the RRC Connection (ts_C2_CheckCellFACH)	To perform OpenUE_testloop and DeactivateRB_TestMode before releasing the RRC Connection (ts_C2_CheckCellFACH)			
Summary of change		ge Removed + ts_TC_OpenUE_TestLoop ( tsc_CellA the following in the test body	Removed + ts_TC_OpenUE_TestLoop(tsc_CellA)from line 11 and added the following in the test body			
		+ ts_TC_OpenUE_TestLoop(tsc_CellA)	+ ts_TC_OpenUE_TestLoop(tsc_CellA)			
		+ ts_TC_DeactivateRB_TestMode(tsc_CellA)	+ ts_TC_DeactivateRB_TestMode ( tsc_CellA )			
Source of o	change	New Change				
Label		WA#RRC4321				
24	? T	MEOUT t_WaitMS	(P)			
25	+It	CheckMeasReport (100)		Step 4d in prose;		
26	+	CheckWeasReport(1100)		Step 4e in prose;		
27	1	ts_TC_OpenUE_TestLoop (tsc_CellA)		WA#RRC4321		
28	-	ts_TC_DeactivateRB_TestMode (tsc_CellA)		WAPRC4321		
29		ts_C2_CheckCellFACH (tsc_CellA)				
30 TBE		(tov_TestBody = FALSE)	(P)			

## 4.9 Tc\_8\_4\_1\_29: It\_TestBody (WA#RRC4327)

Test step name	Tc_8_4_1_29: It_TestBody
Reason for change	The Data is sent on RB20.
Summary of change	Changed from Tsc_CellA to tsc_CellDecicated.
Source of change	New Change
Label	WA#RRC4327

## 4.10 Tc\_8\_4\_1\_29 It\_CheckMeasReport (WA#RRC4318)

Test step name	Tc_8_4_1_29: It_CheckMeasReport
Reason for change In order to keep the traffic volume above the threshold, the data must b sent/received continuously.	
Summary of change	Modified the test step It_CheckMeasReport, to send and receive data continously and to receive measurement report.
Source of change	New Change
Label	WA#RRC4318

	hecidMe	asReport(pTimer : INTEGER)>			
49		START L_WaitMS (pTimer + tcy_Tolerance)			
50	Loop2	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedic ated, tsc_RB20, c_TrD_Bata(trx_RP_D ata1))	2	WARRC4327
51		AM ? RLC_AM_TestDataInd	car_RLC_AM_Dataind (tsc_CellDedica ted, tsc_RB20, c_TrD_Deta (tev_RB_D ata1))		WA#RRC4327
52		->Loop2			
53		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND. aM_message.uL_DCCH_Message.message.measu rementReport.measuredResults.trafficVolumeMeasu redResultsList, tcv_RB_SRB_ReceiveList := { tcv_Tra ficVolMeas_Results.[0].rb_identity, tcv_TrafficVolMeas_ Results.[1].rb_identity, tcv_TrafficVolMeas_Results.[ 2].rb_identity, tcv_TrafficVolMeas_Results.[ 3].rb_identity, tcv_TrafficVolMeas_Results.[ 4].rb_identity) :	car_MeasurementReport (tsc_CellDed icated, tsc_RB2, cr_MeasReportEventBasedTrafficVolum e (15,?,OMIT,OMIT,c_EventResults ( rachoropoh:NULL,e4a)))	(P)	Step 4 in prose
54		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_Rec eiveList, c_RB_SRB_RAB_List)			
55		CANCEL t_WaitMS			
56		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedica ted, tsc_RB20, c_TrD_Data (tcv_RB_D ata1))	(P)	WA#RRC4327
57		? TIMEOUT t_WaitMS		(F)	

## 4.11 ts\_ToStateMT\_PS\_6\_10Or6\_11\_ActivateRB\_TestMode (WA#RRC4323)

Test step name	ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode
Reason for change	According to the prose RB Test mode should only be activated.
Summary of change	Modified the test step to activate RB test mode only. Removed PDP triggering.
Source of change	New Change
Label	WA#RRC4323

	Test Step				
Test Step	est Step Id: ts_ToStateMT_PS_6_100r6_11_ActivateRB_TestMode (p_CellId : INTEGER)				
Test Step	Group Ref.	RRC_Steps/			
Objective					
Defaults:		RRC_Def1			
Commen	ts:	@SIC_NAPP. WA#RRC4323			
La	La Behaviour Description		Constraint Ref		Comments
1	+ ts RRC ConnEstPS MT P5 P6 (p Cellid)				
2	+ 15_GMN	(_Authentication(p_CellId)			
3	+ts_RR(	C_Security(			
	p_Cellid, toy_AuthC	ĸ			
tev_AuthIK,		2			
	tcv_AuthKcGSM, TRUE, ps_domain )				
4	+ ts_TC_ActivateRB_TestMode (p_Cellid)				
5	+ ts_RF RC_RAB	RC_SetUpRAB (p_Cellid , tcv_RAB_id, tcv_R _Type )			

### Branches executed in test case 8.4.1.29

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\_4\_1\_29\_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\_4\_1\_29-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\_4\_1\_29\_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\_4\_1\_29-pics-pixit-Motorola.html** Text file containing all PICS/PIXIT parameters used for testing.

### 6 References

[1] T1s040259

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

CR-							
	CHANGE REQUEST						
<sup>ж</sup> ТS 34.1	23-3 CR 265	ж <b>геч <mark>-</mark>ж С</b>	urrent version: <b>3.5.1</b>	ж			
For <u>HELP</u> on using	this form, see bottom of this	page or look at the p	op-up text over the X syn	nbols.			
Proposed change affect	cts: UICC apps#	ME Radio Acce	ess Network Core Ne	twork			
Title: # Add	dition of RAB test case 14.2.7	a to RAB ATS V3.5.	1				
Source: # Roh	nde & Schwarz						
Work item code: ೫ <mark>N/A</mark>	N Contraction of the second seco		<i>Date:</i> ೫ <mark>22/04/2004</mark>				
Category: # B Use Deta be fo Reason for change: #	e <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction <b>B</b> (addition of feature), <b>C</b> (functional modification of fe <b>D</b> (editorial modification) ailed explanations of the above of ound in 3GPP <u>TR 21.900</u> . <b>To add verified GCF packag</b> V3.5.1	R in an earlier release) ature) categories can ge 3 RAB test case 1	elease: # R99 Use <u>one</u> of the following rele 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) 4.2.7a to the approved RA	ases: AB ATS			
Summary of change: ೫	This document lists all chan See detailed change descri	ges applied to test caption for further inform	ase 14.2.7a required for a nation.	pproval.			
Consequences if # not approved:	Test case will not be added	to ATS					
Clauses affected: #	N/A						
Other specs अ affected:	Y     N       X     Other core specifications       X     Test specifications       X     O&M Specifications	tions X					

### How to create CRs using this form:

ж

Other comments:

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

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

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

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

Title:	Changes to test case 14.2.7a 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 14.2.7a 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_7a
Test Group:	RAB/CombinationOnDPCH/Conversational_Speech/
ATS Version:	iWD-TVB2003-03_D04wk15 + 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 14.2.7a

#### 4.1 Introduction

Detaults Comme

This section describes the changes required to make test case 14.2.7a 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\_wk15.mp which is part of the iWD-TVB2003-03\_D04wk15 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 14.2.7a:

WA#RAB4021, WA#RAB4303, WA#RAB4297, WA#RAB4188, WA#RAB4304, WA#RAB4277, WA#RAB4278, WA#RAB4279, WA#RAB4281, WA#RAB4287, WA#RAB4116, WA#RAB4285, WA#RAB4118, WA#RAB4298, WA#RAB4299, WA#RAB4301, WA#RAB4294, WA#RAB4295, WA#RAB4296, WA#RAB4302, WA#RAB4106, WA#RAB4110, WA#RAB4111, WA#RAB4112 and WA#RAB4286.

#### 4.2 ts\_SendRB\_SetUpSpeech\_7\_4k\_AMR (WA#RAB4308)

Test step name	ts_SendRB_SetUpSpeech_7_4k_AMR
Reason for change	Wrong RM attribute for the DL (see point 4.2 WA#RAB4282).
Summary of change	Used c_DL_AddReconfTransChInfoListTM3_WA instead of c_DL_AddReconfTransChInfoListTM3
Source of change	New Change
Label	WA#RAB4308
	Test Step
Test Skep id to_SandHB_I Test Skep Group Ref. RD. Skeps/RD	SetUpSpeech_7_4e_AMR (g_Cellst INTEGER,g_RAB_is: BITETRING,p_ActTime: ActeutonTime )
Objective To seture a Sid	TWO BEARER for SPEECH 10.2k and to reconditure the DS accordingly

-	Behaviour Description		Canotraint Ref	- 0	ommanta
	To setup a RADIO BEARER for S RRC_Defi	PEECH 10.3k and 1	to reconfigure the SS accordingly		
iup Ret	RD_DisporRD_Setup/	ANN (B_CAND INT	EOEP, p_PAB_H BITETHINO, p_4cfTms Admitshift	ne 1	

8	<ul> <li>hs_SetTropCellinis (p_Cellid)</li> </ul>		
*	AMIRIC_AM_DATA_REG	<pre>cas_PRE_SetUpAM_WRINCet(tac_CetDedicated, tac_RRE 2, tac_Mu, cs_PRC_RE_SetUp(tav_CetIndim6.st_int eprt)Checkints,tav_RRC_T(, p_ActTime, cetL_DCH, OMT, c_RAB_intbListTMQ_WA (t_ReEatTimerT114, p_RAB_U0, c_UL_CommTrChinfoTM_T_4H_AWR, c UL_AddReconfTransChinfoListTM_2 (DCH_61_TF8 _UE_6,DCH_BT_TTP_UB_5, c_DCH_148_TTB_U0E_ UU,c_DL_CommonTransChinfoBarmAsUL,c_DL _AddReconfTransChinfoListTM2 (r_DCH_61_TF8_UE_ 8_DL, c_DCH_BT_TF8_UE_6),C_DL_informationPerFiLitor TmpCetIanto pr8tcmCode, tac_Bt128, tav_TmpCetIant 0.dt_OPCH_2ndStrCode, t_C_DL_CommonitormationR 8_SetUp (tac_Std128_4), cb_UL_DPCH_intp (tac_St8 4, pR0_98, tav_TmpCetIanto u4_BtrantblingCode) OMT())</pre>	tev_Specifict + tev_PuecLimit ++ volues ? some for uplick and downlink ? Freqinfo ? www.exa.ac.
3	AM 7 RLC_AM_DATA_CNF	car_AM_DataMu/Cirl (Sc_CellDelicated, Sc_RB2, Sr_M ub	

## 4.3 ts\_SendRB\_SetUpSpeech\_7\_4k\_AMR (WA#RAB4305)

ts_SendRB_SetUpSpeech_7_4k_AMR
In order to configure properly the L1 in the SS, "the Power Control Info for UL DPCH" is necessary. This information is missing in the original constraint used.
Used "cb_UL_DPCH_Info ( tsc_Sf64, pl0_84, tcv_TmpCellInfo.uL_ScramblingCode)" instead of "c_UL_DPCH (pl0_84, tsc_Sf64)"
New Change
WA#RAB4305

Garrens		the second second statement and second s	Test Step		
Text Blag Int Text Blag Group Ret Objective Defaults Comments		ts_SandHB_SetUpSpeech_7_4e_AMR (p_Cellst INTEGER, p_RAB_id: BITETMING; p_ActTime : AdealanTime ) RB_SteanHB_Setup To setup a RADIO BEARER for SPEECH 10.3k and to reconfigure the SS accordingly RRC_Defi			
Nr L.		Behaviour Description	Canatraint Ref	-	Comments
			(OMT))		
3	AMTRLO	_AM_DATA_ONF	<pre>csr_AM_DataMusCnf dsc_CeRDodicated, tsc_R82, tsc_M ut)</pre>		
4	+ ts 300	H ModthSpeeith7 4k AMR (p. Celld.		100	A#RAB4305

3	AN TRUC_AM_DATA_CNF	esr_AM_DataMuiCrif dsc_Callbodicated, tsc_RB2, tsc_M ut)	
4	+ th_3DCH_ModitySpecim7_4k_ANR (p_Cellid, p_ActTime, c_DL_CommonintermationRE_SetUp (tac_Stip128_4), cb_UL_D PCH_info (tac_St84, pt0_96, tov_TmpCellinto uk_ScramblingCode) )		WARRAD 4305
5	(+ts_RB10_To_RB11_TM_CovidgBpeeith ( 81,87)		
6 TS	P +1s RRC ReserveRB SetusCrest ( p Cettel, cett DCH Baseth)		

### 4.4 c\_DCH\_148\_TFS\_DL\_rm192 (WA#RAB4293)

Test step name	c_DCH_148_TFS_DL_rm192
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 (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 original "c_DCH_148_TFS_DL" the RM attribute used is 170 which is wrong.
Summary of change	Created new contraint "c_DCH_148_TFS_DL_rm192" based in "c_DCH_148_TFS_DL" with RM attribute set to 192.
Source of change	New Change
Label	WA#RAB4293

Construction of the	ASN 1 Type Constraint Declaration		
Constraint Name	k_DCH_148_173_Dk_m182		
Ontrup Type Name Derivation Path	CommonOrDedicatedTFB		
Encoding Variation Comments	transpott formatiset for signaling bearer on desicated channel		
	WAJER484283		
	Convertaint/Value		
t 19 1940 II 19 Ste 148, numberOfftsStellaf (perc. NULL_one INULL), togk alChannel.ist alSizes : NULL II, aemistatiscTF_information ( channelCodingType convolutional third, rateMatchingAthode 192, trt_SDa crc16 }			

### 4.5 ca\_3\_DCH\_7\_4k\_AMR\_DL\_Info (WA#RAB4307)

Test step name	ca_3_DCH_7_4k_AMR_DL_Info
Reason for change	Wrong RM attribute for the DL in the local configuration (see point 4.2 WA#RAB4282).
Summary of change	Used new created constraint "c_DCH_148_TFS_DL_rm192" (see point 4.4) instead of "c_DCH_148_TFS_DL"
Source of change	New Change
Label	WA#RAB4307

Concernment of	ASN 1 ASP Constraint Declaration			
Constraint Name	a_3_DCH_7_44_AMR_DL_initrip_Cells_INTEOER,s_PhyChid_INTEOER.p_Tape_TrChConfigType;p_PowerOffsetInternation_PowerOffsetInternation; p_Active conTime_ActivationTime)			
Ordup ASP Nama	OPHY_TICH_Config_REQ			
Comments	For FDD mode only, used in sknowledged mode FILC leading			
	VIAMERAB 4387			
1	Construiet Value			
natType fidd, tochConfgType is confgMessage - activationTime( diconnectedTird i schiditac_DL di_Transport transportCha L tochiditac_DL di_Transport transportCha L tochiditac_DL di_Transport transportCha L di_TransportCha L di L di L	_TYpe, advatanCFIN : s_AddvatanTime, HUst I _DCH1, ChannelType dt3, metirfe c_DCH_B1_TFB_6_DL _DCH2 ChannelType dt3, metirfe c_DCH_B7_TFB_5 _DCH4, ChannelType dt3, metirfe c_DCH_148_TFB_DL_im192 &_CmpN8_1_8_15_22_20_30_31_38_45_52_50_Tx (p_PowerOffsatmformation)			

# 4.6 c\_TrChInfoDL\_7\_4k\_AMR (WA#RAB4306)

Test step name	c_TrChInfoDL_7_4k_AMR
Reason for change	Wrong RM attribute for the DL in the local configuration (see point 4.2 WA#RAB4282).
Summary of change	Used new created constraint "c_DCH_148_TFS_DL_rm192" (see point 4.4) instead of "c_DCH_148_TFS_DL"
Source of change	New Change
Label	WA#RAB4306

ASN.1 Type Constraint Declaration			
Constrant Name Oroug	L_TICNINDL_7_4k_ANT		
Type Name Derivation Path	TrCHinto		
Encoding Variation Comments	WARRAB 4308		
Constraint Value			
diconnectedTrCHL ( trohid tsr_DL_D bransportChand ) ( bransportChand ) trohid tsr_DL_D transportChand ) ( trohid tsr_DL_D transportChand ) ( trohid tsr_DL_D transportChand ) ( ) ) ) ) ) ) ) ) ) ) ) ) )	aet( CH1, elefo c_DCH_81_TTE_8_DL CH2, sllefo c_DCH_87_TFS_δ CH5, ellefo c_DCH_148_TFB_DL_ee192 cmp80_1_9_15_22_29_30_31_38_45_52_59_Tx ( c_PowerOffsetInt9Bekzw64k)		

## 4.7 c\_DCH\_61\_TFS\_6 (WA#RAB4107)

Test step name	c_DCH_61_TFS_6	
Reason for change	Wrong "numberOfTbSizeList" IE in the first elemet of the list. It should be { zero : NULL } not { zero : NULL, one : NULL }.	
Summary of change	ary of change Corrected "numberOfTbSizeList" IE in the first elemet of the list.	
Source of change	New Change	
Label	WA#RAB4107	

ASN.1 Type Constraint Declaration			
Constraint Name	c_DCH_61_TF8_6		
Type Name	CommonOrDedicatedTF8		
Derivation Path			
Commente	transport format set for RAB subflow#1 on dealicated channel		
_	VUA#RAE4107		
	Constraint Value		
numberOff Sat logical Charriel k (fb_Size 38, numberOff DSize logical Charriel k (fb_Size 42, numberOff DSize logical Charriel k (fb_Size 55, numberOff DSize logical Charriel k (fb_Size 58, numberOff DSize logical Charriel k (fb_Size 61, numberOff DSize logical Charriel k semiatals (TF_into charriel CodinoTi	RELATIONS NULL RELATI		
## 4.8 c\_DCH\_61\_TFS\_UE\_6 (WA#RAB4275)

Test step name	c_DCH_61_TFS_UE_6
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4275

Service and the service of the servi	ASN.1 Type Constraint Dectaration
Constraint Name	e_DCH_61_TF8_UE_6
Type Name Derivation Path	DedicatedTransChTF8
Encoding Variation Comments	transport format set for RAB subflow#1 on dedicated channel
	WWARNER DS
	ConstraintValue
ti ti20 ( (rt_Sce biffiote rumberOffbSte logicalChernell k (rt_Sce biffiote numberOffbSte logicalChernell k (rt_Size biffiote numberOffbSte logicalChernell k (rt_Size biffiote numberOffbSte logicalChernell k (rt_Size biffiote numberOffbSte logicalChernell k (rt_Size biffiote numberOffbSte logicalChernell k semistateTF_kto	<pre>:: storType1: 51, .ht attrace: NULL, :: storType1: 28, .html(on=: NULL, L) ist attrace: NULL L, ist attrace: NULL, L,</pre>

# 4.9 c\_DCH\_61\_TFS\_UE\_6\_DL (WA#RAB4276)

Test step name	c_DCH_61_TFS_UE_6_DL
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4276

ASN 1 Type Constraint Declaration		
Constraint Name	LDCH_S1_TFS_UE_S_DL	
Type Name Derivation Path	DedicatedTransChTFB	
Encoding Variation: Comments	to subsport formatiset for RAB subflow≢t on dedicated channel	
	WWWWARDARTS	
	Constraint Value	
( ) (C., SIZE DIMOGE numberOffBills logical Channell, 1 ( ) (C., SiZe DIMOde numberOffBills logical Channell, 1 ( ) (K., SiZe DIMOde numberOffBills logical Channell, 1 ( ) (K., SiZe DIMOde numberOffBills logical Channell, 1 ) 1 semistatic TF Infor	N: Heartgeet D. Selistions: NULLI, ListaBlees NULL, ListaBlees NULL, ListaBlees NULL, ListaBlees NULL, ListaBlees NULL, ListaBlees NULL, ListaBlees NULL, ListaBlees NULL,	

### 4.10 c\_DCH\_87\_TFS\_UE\_5 (WA#RAB4280)

Test step name	c_DCH_87_TFS_UE_5
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4280

ASN 1 Type Constraint Declaration		
Constraint Name	LDCH_87_TFS_UE_5	
Type Name Derivation Path:	DedicatedTransChTF 8	
Encoding Variation Comments	hassport format set for RAB subflow#1 on dedicated channel	
	WARADIZED	
1	Constraine Value	
numberOffbBize logicalChannelL 1 (rk_Size biblook numberOffbBize logicalChannelL 1 (rk_Size biblook numberOffbBize logicalChannelL 1 (rk_Size biblook numberOffbBize logicalChannelL 1 (rk_Size biblook numberOffbBize logicalChannelL 1 ) termisbaticTF_infbi channelCodingTy nataMatchingdbir crc_Bize crc0 1	zulist (zero: NAUL) RList allGtes: NAUL Sa starTypet: 53, zeList (one: NAUL), RList allGtes: NAUL Sa starTypet: 63, zeList(one: NAUL), RList allGtes: NAUL de: starTypet: 76, zeList(one: NAUL), RList allGtes: NAUL de: starTypet: 87, zeList(one: NAUL), RList allGtes: NAUL formation ( Type conveiling all fund, start 100,	

### 4.11 c\_TFCS\_Cmpl0\_1\_8\_15\_22\_29\_30\_31\_38\_45\_52\_59\_Rx (WA#RAB4283)

Test step name	c_TFCS_Cmpl0_1_8_15_22_29_30_31_38_45_52_59_Rx
Reason for change	Wrong CTFC size (cftc 8 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 6 instead of 8.
Source of change	New Change
Label	WA#RAB4283

C.C. Statester	KSN: 1 Type Constraint Decisration		
Constraint Name	c TFCB Cmpl0 1 8 15 22 29 30 31 38 45 52 59 Rx		
Group:			
Tipe Name	TFC8		
Dectation Path			
Encoding Variation	ordina Martalian		
Comments	TFCS information with power offset information - for transmitter		
	WARRADIZED		
	Construct Value		
A CONTRACTOR OF THE OWNER	Companya Comp		
normal PL_bigna	ing compete.		
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## 4.12 c\_TFCS\_CmpI0\_1\_8\_15\_22\_29\_30\_31\_38\_45\_52\_59\_Tx (WA#RAB4284)

Test step name	c_TFCS_Cmpl0_1_8_15_22_29_30_31_38_45_52_59_Tx
Reason for change	Wrong CTFC size (cftc 8 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 6 instead of 8.
Source of change	New Change
Label	WA#RAB4284

S	ASN.1 Type Constraint Declaration		
Constraint Name	r_TFCS_CmpI0_1_9_15_22_29_30_21_38_45_52_59_Tr (a_PowerOffsetInternation PowerOffsetInternation)		
Group:			
Derivation Path			
Encoding Variation			
Comments	TECS information with power offset information - for transmitter		
4	WARRAB4284		
	Constraint Value		
extend/FCL_Signal	ing complete		
IN Site (Biller)			
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cttoli 0, powerOffpetinfor	mation r_PowerOffsetInfoComputed		
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Detailed Comment			

#### 4.13 c\_TrLogMappingDL\_3\_Speech (WA#RAB4289)

Test step name	c_TrLogMappingDL_3_Speech
Reason for change	Wrong order in the list. RAB (RB10 and RB11) shoub be before than SRB (RB1 to RB4).
Summary of change	Change order: RAB placed before than SRB.
Source of change	New Change
Label	WA#RAB4289



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rB_ldenBtytsc_RB11
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    trchid tac_DL_DCH5,
    trCH_LogCHMappingList(
       logicalChannel_Mapping dl_LogicalChannelMapping : {
macHeaderManiputation normalMacHeader,
         dl_TransportChannelType dch,
        logicalChannelldentitytsc_DL_DCCH1,
logicalChannelType dCCH,
rtc_SizeList configured : NULL,
         mac_LogicalChannelPriority 1
       rB_ldentitytsc_RB1
      4
       logicalChannel_Mapping dl_LogicalChannelMapping : {
        macHeaderManipulation normalMacHeader,
dl_TransportChannelType dch,
logicalChannelIdentitytsc_DL_DCCH2,
        logicalChannelType dCCH,
ric_SizeList configured : NULL,
mac_LogicalChannelPriority 2
       rB_Identitytsc_RB2
      h
     4
       logicalChannel_Mapping dl_LogicalChannelMapping : (
        macHeaderManipulation normalMacHeader,
         dl_TransportChannelType dch,
        logicalChannelldentitytsc_DL_DCCH3,
        togicalChannelType dCCH,
rix_SizeListconfigured NULL,
         mac_LogicalChannelPhonty 3
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       rB_Mentily to:_RB4
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```

## 4.14 c\_TrLogMappingUL\_3\_Speech (WA#RAB4291)

Test step name	c_TrLogMappingUL_3_Speech
Reason for change	Wrong order in the list. RAB (RB10 and RB11) shoub be before than SRB (RB1 to RB4)
	TTCN error: "ulconnectedTrCHList" is set to OMIT. "dlconnectedTrCHList" should be OMIT instead.
Summary of change	Change order: RAB placed before than SRB.
	Interchanged contains of "ulconnectedTrCHList" and "dlconnectedTrCHList".
Source of change	New Change
Label	WA#RAB4291

8	ASh	1 Type Constraint Declaration
Constaint Name	c_TiLogMappingUL_3_Bpeach	
Type Name Derivation Path	TrCH_LogCHMappingLatt	
Encosing Variation Comments	V04#RA64291	
		Constraint Value
l uiconnectadTrCHI f trchid tsc_UL_D bCH_LogCHMa i logicalChardin micHeadert uLTranspor logicalChardin l B_identity tsi i trchid tsc_UL_D trCH_LogCHMa i logicalChardin macHeadert uLTranspor logicalChardin togicalChardin logicalChardi	Listi CH1, ppingList; M_Mapping.ul_LogicalChannelMapping.i( terapulation norms/MacHeader, ChannelType.dth, ieldenthytoc_UL_DTCH1, ielType.mTCH _RB10 CH2, ppingList( K_Mapping.ul_LogicalChannelMapping.i( terapulation norms/MacHeader, ChannelType.dth, ieldenthytoc_UL_DTCH2, ielType.mTCH _RB11	



Detailed Comment

## 4.15 tc\_14\_2\_7a (WA#RAB4309)

Test step name		tc_14_2_7a			
Reason for change		In this test cases two Radio Access Bearers RB10 and RB11 are configured. For the moment being there is not a valid postamble for this configuration as the most alike configuration (cell_DCH_Speech) releases RB12 as well leading to an error.			
		In order to solve this, a special postamble is used which releases RB10 and RB11 but not RB12.			
Summary of change		Used "po_ConnectionAndSS_Rel_14_2_7a" instead of "po_ConnectionAndSS_Rel"			
Source of change		New Change			
Label		WA#RAB4309			
		Test Case			
Test Case Id. 5 Test Oroup Reference: 0 Purpose Configuration:	t_14_2_7n Combination Conversation Iment and co	OnDPCHIConversational_Speech/ all/speech/UL (7.4, 6.7, 5.9, 4.75) DL (7.4, 6.7, 5.9, 4.75) ktps ( CB RAB + UL 3 wrect data transfer for reference radio bearer configuration as opecified in TS 34.1	4 DL-1 4 ktps SRBs 06, clause 6 10 2 4 1	tor DOCH 1 7a	'b verify radio bearer establis
Comments 4	RC_Deft BSIC_NAPP				
Nr La		Behaviour Description			Commente
61,87) 9 TBE (bx_Test 18 + b_TC, 11 + ps_Ce	tBudy = FAL DeattivateR	BE) 5. TestMisde (htt_C#IDedicated) 55. Rel_14_2_7e(htt_CellA)	1.	Steps 7	0-21 64309
Detailed Comment					

## 4.16 po\_ConnectionAndSS\_Rel\_14\_2\_7a (WA#RAB4310)

Test step name	po_ConnectionAndSS_Rel_14_2_7a
Reason for change	In this test cases two Radio Access Bearers RB10 and RB11 are configured. For the moment being there is not a valid postamble for this configuration as the most alike configuration (cell_DCH_Speech) releases RB12 as well leading to an error.
	In order to solve this, a special postamble is used which releases RB10 and RB11 but not RB12.
Summary of change	Created "po_ConnectionAndSS_Rel_14_2_7a" based in "po_ConnectionAndSS_Rel" but using "ts_SS_Rel_14_2_7a" instead of "ts_SS_Rel"
Source of change	New Change
Label	WA#RAB4310

Gunner	1412	Test Step			
Text Step M ps_ConnectionAndSS_Rel_14_2_7s (p_Celld_INTEGER) Text Step Group Ref SaskM_Postambles/ Objective: To role as the existing RRC connection and role as the channels that Defaults RRC_Def1 Comments: WWRMBABA310		pe_ConnectionAndSS_Rel_14_2_7a (p_Cellid : NTEGER) BackM_Postambles/ To release the existing RRC connection and release the channels that are configured i RRC_Deft www.RABA310	n the BB		
- L.		Behaviour Description		1	Camments
1 2 3 4 5 1, Send_1	+ ts_SetTm  tov_TmpC + ft_Send + ts_SS_J  tov_TmpC RRC_Conne	pCellinto (p_Cellit) ellinto cel/Config -> cell_NotConfigureit) RRC_ConnectionRelease Nal_14_2_7# (p_Cellit) ellinto cel/Config = cell_NotConfigureit] ectionRelease		1	8
	(tor_TmpC (tor_TmpC (tor_TmpC (tor_TmpC (tor_TmpC	elinfo.celConfg=.cel_FACH_NaConn) OR elinfo.celConfg=.cel_FACH_UMC_NaConn) OR elinfo.celConfg=.cel_FACH_UMC_NaConn) OR elinfo.celConfg=.cel_NaDPCH) OR			1

## 4.17 ts\_SS\_Rel\_14\_2\_7a (WA#RAB4311)

Test step name	ts_SS_Rel_14_2_7a
Reason for change	In this test cases two Radio Access Bearers RB10 and RB11 are configured. For the moment being there is not a valid postamble for this configuration as the most alike configuration (cell_DCH_Speech) releases RB12 as well leading to an error.
	In order to solve this, a special postamble is used which releases RB10 and RB11 but not RB12.
Summary of change	Created "ts_SS_Rel_14_2_7a" based in "ts_SS_Rel" but using "ts_SS_ReIDPCH_14_2_7a" instead of "ts_SS_ReIDPCH"
Source of change	New Change
Label	WA#RAB4311

Sec. 11		Test Step				
Test Step Id: Test Step Group Re Objective Defaults Comments		1s_SS_Rel_14_2_7a (p_Cellid : INTEGER) BasicM_SS_Configuration_Steps/ To release all channels that are configured in the SS BB_Def WwwWard2004311				
L		Behaviour Description				Comments
1 72	+ is_Self. 1 (izy_Tmp)(izy)(iz)))))))))))))))))))))))))))))))	mpCatinfs ( p_Catilit) pCatinfs catConfig = cat_DCH_StandAloneSR() ) OR Catilints catConfig = cat_DCH_StandAloneSR() ) OR Catilints catConfig = cat_DCH_StandAloneSR() OR Catilints catConfig = cat_DCH_StandAloneSR() OR Catilints catConfig = cat_DCH_StandAloneSR() OR Catilints catConfig = cat_DCH_StarB_SR() OR Catilints catConfig = cat_DCH_StarB_SR() OR Catilints catConfig = cat_DCH_StarB_SR() OR Catilints catConfig = cat_RLC_DCH_AM_RAB_STL() OR Catilints catConfig = cat_RLC_DCH_AM_RAB_TL() OR Catilints catConfig = cat_RLC_DCH_AM_RAB_TL() OR Catilints catConfig = cat_RLC_DCH_UM_RAB_TL() OR Catilints catConfig = cat_RLC_DCH_UM_RAB_TL() OR Catilints catConfig = cat_RLC_DCH_UM_RAB_TL() OR Catilints catConfig = cat_PCC_AM_INAB) OR Catilints catConfig = cat_PCC_AM_INAB) OR Catilints catConfig = cat_PCC_AM_ST() OR Catilints catConfig = cat_PCC_AM_S				
3	+ ts_BB_	ReDPCH_14_2_7a(µ_Calld)			1.	
4	+ K Reb	execommonCh		-	-	
e	+ tr S	ease_prover atCallCfr ( n_Callet_relt_hidConfigured )			-	
7	Litry Tr	pCellinfo selConfig = sell NoDPCH11				
8	+ IL Fiele	aseCommonCh				

## 4.18 ts\_SS\_ReIDPCH\_14\_2\_7a (WA#RAB4312)

Test step name	ts_SS_RelDPCH_14_2_7a
Reason for change	In this test cases two Radio Access Bearers RB10 and RB11 are configured. For the moment being there is not a valid postamble for this configuration as the most alike configuration (cell_DCH_Speech) releases RB12 as well leading to an error.
	In order to solve this, a special postamble is used which releases RB10 and RB11 but not RB12.
Summary of change	Created "ts_SS_ReIDPCH_14_2_7a" based in "ts_SS_ReIDPCH" but releasing only RB10 and RB11 (not RB12)
Source of change	New Change
Label	WA#RAB4312

	1960.113.8	Test Step				
TestS	itep id:	ts SS REIDPCH 14 2 7a (p. Cellif: INTEGER )				
Tests	st Step Group Ref. Basic M_S8_Configuration_Steps/					
Objective To release the DPCH channel.						
Defau	th:	BB_D#I				
Comments The folio physical transport logical s signalin		The following channels need to be removed physical channels: DPCH_ transport channels: DCCH logical channels: DCCH, and signalling radio bearer: signalling bearers on DCH radio access bearer on DCH.	following channels need to be removed stal channels: DPCH, sport channels: DCH tal channels: DCH, and willing radio bearer: signalling bearers on DCH radio access bearer on DCH.			
-		WARRAD (212				
_ L	4	Bahaviour Description		Comments		
1	+ to_BetTrr	pCellin/b (p_Cellid)				
2	[(toy_Tmp	Ceilinfo.tellConfig = tell_DCH_Speech )				
3	• IL Reißf	81_4	1 1 1 1			
4	+ ts_CRL	C_Rel(tsc_CellDedicated, tst_RB10)				
5	+ts_CRt	.C_Rel (tsi_CellDedicated, tsi_RB11)				
8	+ 13_CM	AC_Rel (bst_CellDedicated, 1st_DL_DPCH1)				
7	+ ts_C9	WC_Rel (tsr_CellDedicated, tsr_UL_DPCH1)				
8	+ts_CP	HY_TICRHEIDCH_NOSHO (p_Cellid, spc_DL_DPCHT)				
	+15_C	PHY_ICTHADCH_NOSHO(p_CAILS, 15(_OL_DPCH1)				
10	* No_SS_NOPPL(p_CeRd, Isc_DL_DPCH1)					
12 5	AL DESTRICT ALSO STORE ( D. CHU, M. DECHI )					
I ERA LINET						
IL RO	BR_DJR9109					
13	[{ky_Tmp	Cellinfo.cellConfig = cel_RLC_DCH_AM_RAB_15Lie))				
14	+ IL_CIILO	_Rel 0st_CellDedicated, tac_R0_AM_15_RLC)				
15	[(tov_Tmip)	Cellinfo.cellConfig = rell_RLC_DCH_AM_RAB_7Lis)]				
16	+ ts_CRLC	_Rel (tsc_Cel/Dedicated, tsc_RB_AM_7_RLC)				
17	(try_Tmp	Cellinfo.selCanfig = sell_RLC_DCH_UM_RAB_15Lis) }				
18	+ ts_CRLC	_Rel(tsc_CellDedicated_tsc_R8_UM_15_RLC)				
15	[(toy_Tmp	[(lov_TmpCelimts.celiContg = cel_RLC_DCH_UM_RAB_7Lix)]				
20	+ ts_CRLC_Rei (tsc_CelDedicated, tsc_RB_UM_7_RLC)					
IL Ref	SRE1_4					
24	11.0010	Particle - Market And And Post (				
21	+ N_CHLC	_Her(tbc_Centredcalld, fbc_HB1)		1		
22	* fs_CFE_C	Uner ( tac Cellbedrafied, fac 2003 )				
23	+ 18_CHL0	(Del for Collectured, Inc. 201)				
241.	+ IS_CRL	C TRIUSC CREATINED, DC TR41				
Detail	ed Comment					

### 5 Branches executed in test case 14.2.7a

The test case implementation executed the CS 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\_7a\_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\_7a-pics-pixit-Nokia.html** Text file containing all PICS/PIXIT parameters used for testing.

#### 6.2 Motorola 3G UE 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 14\_2\_7a\_CS-Motorola-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

• **PICS/PIXIT file 14\_2\_7a-pics-pixit-Motorola.html** Text file containing all PICS/PIXIT parameters used for testing.

### 7 References

#### [1] T1s040250

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

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For <u>HELP</u> on using	this form, see bo	ttom of this page or	<sup>r</sup> look at the p	oop-up text o	over the X sym	bols.
Proposed change affect	cts: UICC apps	ж ME	Radio Acc	ess Networl	k Core Net	work
Title: # Add	lition of RAB test	case 14.2.5a to RA	B ATS V3.5.	1		
Source: # Rol	nde & Schwarz					
Work item code: ೫ <mark>ℕ/</mark> А	L Contraction of the second			<i>Date:</i>	22/04/2004	
Category: % B Use Det be f Reason for change: % Summary of change: %	<ul> <li><u>one</u> of the following</li> <li><i>F</i> (correction)</li> <li><i>A</i> (corresponds to B (addition of feat</li> <li><i>C</i> (functional modification of eat)</li> <li><i>D</i> (editorial modifications of eat)</li> <li><i>C</i> (add verified C value)</li> <li><i>To</i> add verified C value)</li> <li><i>To</i> add verified C value)</li> <li><i>This</i> document line</li> <li><i>See</i> detailed characteristics</li> </ul>	g categories: a correction in an ea ure), ification of feature) cation) f the above categorie <u>1.900</u> . GCF package 3 RA Sts all changes app ange description for	F arlier release) es can B test case 1 plied to test c r further infor	Release: %         Use one of t         2         R96         R97         R98         R99         Rel-4         Rel-5         Rel-6	R99 the following relea (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 4) (Release 5) (Release 6) The approved RA	ases: NB ATS
Consequences if # not approved:	Test case will no	t be added to ATS				
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#### How to create CRs using this form:

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Other comments:

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

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

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

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

Title:	Changes to test case 14.2.5a 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 14.2.5a 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_5a
Test Group:	RAB/CombinationOnDPCH/Conversational_Speech/
ATS Version:	iWD-TVB2003-03_D04wk15 + 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 14.2.5a

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.5a 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\_wk15.mp which is part of the iWD-TVB2003-03\_D04wk15 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 14.2.5a:

WA#RAB4021, WA#RAB4118, WA#RAB4298, WA#RAB4299, WA#RAB4301, WA#RAB4294, WA#RAB4295, WA#RAB4296, WA#RAB4302, WA#RAB4106, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4286, WA#RAB4305, WA#RAB4308, WA#RAB4107, WA#RAB4275, WA#RAB4276, WA#RAB4280, WA#RAB4283, WA#RAB4284, WA#RAB4306, WA#RAB4289, WA#RAB4291, WA#RAB4307, WA#RAB4309, WA#RAB4310, WA#RAB4311 and WA#RAB4312.

#### 4.2 c\_DL\_AddReconfTransChInfoListTM3\_WA (WA#RAB4282)

Test step name	c_DL_AddReconfTransChInfoListTM3_WA
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 (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 original "c_DL_AddReconfTransChInfoListTM3" the values for DL_DCH5 are set as "same as UL", i.e. the RM attribute used is 170 which is wrong.
Summary of change	Created alternative constraint based in c_DL_AddReconfTransChInfoListTM3 but using an explicit configuration ("c_DCH_148_TFS_UE_DL") in this constraint.
Source of change	New Change
Label	WA#RAB4282



#### 4.3 ts\_SendRB\_SetUpSpeech\_10\_2k\_AMR (WA#RAB4303)

Test step name	ts_SendRB_SetUpSpeech_10_2k_AMR
Reason for change	Wrong RM attribute for the DL (see point 4.2 WA#RAB4282)
Summary of change	Used c_DL_AddReconfTransChInfoListTM3_WA instead of c_DL_AddReconfTransChInfoListTM3
Source of change	New Change
Label	WA#RAB4303

1	-			Test Step		
Text Eliza Id Text Eliza Orsup Ret Objective Defaults Comments		ld Onsup Ref	to_SendRE_SetUpSpeach_10_2k_AMR (p_Cetits INTEGER,p_RAB_)d_BITSTRING,p_ActTime_ActivationTime_) RE_Steps/RB_Setup/ To setup #RADIO BEARER for SPEECH 10.2k and to recording re the SS accordingly RRC_Deft			
_	La.	1	Bahaviour Description	Constraint Pat	Comments	
1 2		+b_Baff	mpCellinfo(p_Cellis) _AM_DATA_REC	Cas_RB_Set/uAM_WHYCht[tsc_CellDelicated, tsc_RB 2, tsc_Mail_cs_RRC_RB_bet/pi_tsc_CellIndinfa.dl_m tagtityCheckletb, tsc_RRC_TI, p_ActTime, call_DCH. OMIT_c_RAB_InfoLietTMXC_ReEntTime/T314, p_EA85_80, c_UL_CommTrChintsTM_12_2K_AMR_c_ UL_AattReset/TransChartEM_31_c_DCH_65_TFB _UE_6, c_DCH_98_TFB_UE_5, c_DCH_40_TFB_UE, c_ _DCH_140_TFB_UE_UL_5, c_DCH_40_TFB_UE, d_ _DCH_98_TFB_UE_6_DL, c_DCH_98_TFB_UE_6_DL, c_DCH_98_TFB_UE_6_DL, c_DCH_98_TFB_UE_6_DL, c_DCH_98_TFB_UE_6_DL, Str128_try_TmpCellinfb_d1_DPCH_2nd8srCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_TMpCellinfb_pfBsemCode), ts_L _CommatintParteLdsc_Stat_pfB_set_pf_ab_dc_ UL_DPCH_jetb_(tsc_Stat_pf_ab_dc_bc_bc_bc_bc_bc_bc_bc_bc_bc_bc_bc_bc_bc	tos_BartFct + tos_PuncLimit=> va tues 7 same tor uptak and down ink 7 Fragints 7	
	_	100		Hub		

## 4.4 c\_DCH\_148\_TFS\_DL\_rm192 (WA#RAB4293)

Test step name c_DCH_148_TFS_DL_rm192		c_DCH_148_TFS_DL_rm192	
Reason for change		According to the default values for the "Radio Bearer Set up" message in TS34.108 (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 original "c_DCH_148_TFS_DL" the RM attribute used is 170 which is wrong.	
Summary of change Created new contraint "c_DCH_148_TFS_DL_rm192" based in "c_DCH_148_TFS_DL" with RM attribute set to 192.		Created new contraint "c_DCH_148_TFS_DL_rm192" based in "c_DCH_148_TFS_DL" with RM attribute set to 192.	
Source of change		New Change	
Label		WA#RAB4293	
Company and the second s		ASN.1 Type Constraint Declaration	
Constraint Name	LDCH_148_TF	1_0mt 12	
Type Name Dentation Path	CommonOrDedicaledTFB		
Camments	transport format	ansport format set for signaling bearer on desisated channel	
	WARE4283		
		Constraint/Value	
t ti ti 40 il ti 52e f number0ffb52e togkalChannet. Il.	48, Linit ( zero : NULL ist allSizes : NUL	, ane (NULL). L	

eemistabicTF\_information ( channelCodingType convolutional third, nateMatchingAthtbute 192, cm\_Starcc16

1 j

## 4.5 ca\_4\_DCH\_10\_2k\_AMR\_DL\_Info (WA#RAB4297)

Test step name	ca_4_DCH_10_2k_AMR_DL_Info
Reason for change	Wrong RM attribute for the DL in the local configuration (see point 4.2 WA#RAB4282).
Summary of change	Used new created constraint "c_DCH_148_TFS_DL_rm192" (see point 4.4) instead of "c_DCH_148_TFS_DL"
Source of change	New Change
Label	WA#RAB4297

ASN.1 ASP Constraint Declaration		
Constraint Name	ca_4_DCH_10_2k_AMR_DL_Info (p_Celld INTEGER; p_PhyChid INTEGER; p_Type : TrChConfigType; p_PowerOffsetInformation PowerOffsetInformation; p_A clwatenTime : ActivationTime)	
ASP Name:	CPHY_TrCH_Confg_REQ	
Commenta	For FDD mode only, used in aknowledged mode RLC testing	
	WARRAD 4297	
	Constraint Value	
cellid p_Cellid, routinginfo physic raffige Still, toth ConfigType p configMessage ( activationTime a diconnectedTric 1 tothid Iss_DA, d_TransportChar b, 1 tothid Iss_DA, d_TransportChar b, 1 tothid Iss_DA, d_TransportChar b, 1 tothid Iss_DA, d_TransportChar b, 1 tothid Iss_DA, d_TransportChar b, 1 tothid Iss_DA, d_TransportChar b, 1 tothid Iss_DA, d_TransportChar b, 1	EatChanneldBently p_PhyChid, L_Type, extradisonCFN : p_ActivationTime, HList! _DCHI, ChannelType dth, treatifue _DCH_05_TF8_6_DL _DCH2, ChannelType dth, reatifue _DCH_98_TF8_6 _DCH3, ChannelType dth, reatifue _DCH_48_TF8 _DCH4, ChannelType dth, reatifue _DCH_48_TF8 _DCH4, ChannelType dth, reatifue _DCH_48_TF8_DL_mm192 L_Cmails_1_8_15_22_58_60_61_08_75_82_118_Tx (p_PrevelOfficeEntermation)	
Detailed Commen	R	

### 4.6 ts\_4DCH\_ModifySpeech10\_2k\_AMR (WA#RAB4188)

Test step name	ts_4DCH_ModifySpeech10_2k_AMR
Reason for change	TTCN error, passed UL constraint for the DL parameter.
Summary of change	Used "c_TrLogMappingDL_4DCCH_3DTCH" instead of "c_TrLogMappingUL_4DCCH_3DTCH"
Source of change	New Change
Label	WA#RAB4188

2		The second second second second second second second	Test Step		
Test Step NI: Is_4DCH_Nodif(Speech10_2k_AMR ( p_Cellid : INT _info : UL_DPCH_Info) Test Step Oroup Ref. R8_Steps/R8_Cenfiguration/ Objective Is accordigue physical channel DPCH1 and connect annel and map DTCH(subflow#1), DTCH(subflow# Defaults In#OtherwiseFail		Is_4DCH_ModifySpeech10_2k_AMR ( p_Cellis: IM _info : UL_DPCH_info) Ref. RB_Steps/RB_Configuration/ Is reconfigure physical channel DPCH1 and connect ennel and map DTCH(subflow#1), DTCH(subflow#	TEDER; p_ActTime : ActivationTime;g_DL_Commoninformation : DL, LDCH1, DCH2, DCH3 and DCH5 to the physical channel, then map DC 20, DTCH(subflow#2) to the DCH1, DCH2, DCH3 transport channel res	Commoninitistmetion; p_UL_DPCH	
		IntOthorwiseFail	In#OtherwiseFail		
Camn	nents				
- 1	8	Elehaviour Description	Constraint Ref	Comments	
1	+ 04_	SelTmpCel8nb(p_Cel8d)		2	
2	32.3	RAT = rod		1.00	
3	CPH	MCPHY_RL_Modity_REQ	ca_DL_DPCH_ModifyInflight_Cellid, tsc_DL_DPCH1, c _DL_DPCH_AMR (tst_Stc126, p_DL_Commoninform ador), p_ActTime()	1	
4	CP	HITCPHY_RL_Wostly_CNF	ca_RL_ModifyCntp_Cwild toc_DL_DPCHI1		
5	CPHWCPHI_TICH_Config_REQ		cs_4_DCH_10_2k_AMR_DL_into (p_Cellid, tst_DL_D PCH1,s_TrChConfigTspeDCH_NoSH0,s_PowerOffice1 InfoSelow64k,p_AstTime)	2]	
8	CI	HHYCPHY_TICH_Canfg_CNF	ca_TrOtiOlgOnflp_Cellis, tsc_DL_DPCH1)	a contract of the second s	
7	¢	WAC I CMAC_Config_REQ	ca_CMAC_Reconfightb (bsc_CellDedicated, tsc_DL_D PCH1, c_UE_infb (OMIT, CMIT), c_ThChintsOL_10_3k_ AMR_AMR, c_TsLogMappingDL_4DCCH_3DTCH,p_Ac (Time)	3 WANTABATHE	
8	c	MAC ? CMAC_Config_CNF	ca_CMAC_CfgCeRtsc_CellDedicated, tsc_DL_DPCH1		

## 4.7 ts\_SendRB\_SetUpSpeech\_10\_2k\_AMR (WA#RAB4304)

Test step name	ts_SendRB_SetUpSpeech_10_2k_AMR
Reason for change	In order to configure properly the L1 in the SS, "the Power Control Info for UL DPCH" is necessary. This information is missing in the original constraint used.
Summary of change	Used "cb_UL_DPCH_Info ( tsc_Sf64, pl0_84, tcv_TmpCellInfo.uL_ScramblingCode)" instead of "c_UL_DPCH (pl0_84, tsc_Sf64)"
Source of change	New Change
Label	WA#RAB4304

Grow			Test Step		
Teut Blog Int Teut Blog Group Ret Objective Defaults Comments		Is_SendRB_BeNJpSpeech_10_2k_AMR (p_Cellbl INTEOER; p_RAB_)s_BITSTRING; p_ActTime : AdvalumTime ) RB_BMpsRBL_Setup: To retup a RADIO BEARER for SPEECH 19.2k and to recordingere the SS accordingly. RRC_Deft			
- 1	La Behavior Description Constrant Ref . Comments		Comments		
1 +ts_BefTmpCellmb(p_Cellid) 2 Januari BLC an Data REO		TimpCellinfo(b_Cellis) C. AM. DATA REQ	cas RB SetLaMI WITCHT by CelDedicated by RB	ter BortFit + ter Parel induity va	

3	AM ? RLC_AM_DATA_ONF	, OMIT()) car_AM_DataMaCnf@sc_CellDedkated, tsc_RB2, tsc_ Mub	
4 5 6 TBP	+ ts_4DCH_ModifySpeech10_2k_AMR (p_Cellid, p_AcIFme, t_DL_CommonistomationRB_SetUp (tst_Std128_4), cb_U L_OPCH_inte (tst_SE4_std_Std_try_TmpCellinto.ut_StrandingCode)) + ts_RB10_To_RB12_TM_ConfgSpeech ( 65, 39, 40) + ts_RBC Receive/ID StatusComp(t = Cellid cell DCH Speech)		WWHEAE4304
Detailed	Comment.		

## 4.8 c\_DCH\_65\_TFS\_6 (WA#RAB4277)

Test step name	c_DCH_65_TFS_6
Reason for change	Wrong "numberOfTbSizeList" IE in the first elemet of the list. It should be { zero : NULL } not { zero : NULL, one : NULL }.
Summary of change	Corrected "numberOfTbSizeList" IE in the first elemet of the list.
Source of change	New Change
Label	WA#RAB4277

a constant	ASN 1 Type Constraint Declaration	
Constraint Name	r_DCH_66_TF8_6	
Type Name:	CommonOvDedix stedTFB	
Derivation Path		
Encoding Variation: Comments	tansanet formatication EVE subflowith on dedicated channel	
Sector Contraction of the Contra		
WARFAB1277		_
	Constraint Value	
lugicalChannell, kigicalChannell, ki (tb_Bize 38, numberOffbBize logicalChannell, k (tb_Bize 42, numberOffbBize logicalChannell, k (tb_Bize 55, numberOffbBize logicalChannell, k (tb_Bize 65, numberOffbBize logicalChannell, k umberOffbBize logicalChannell, k ammetatecTF_inter	HISTIGNO NULLI, HISTIGNO NULLI, HISTIGNO NULLI, HISTIGNO NULLI, LISTARGENO NULLI,	

### 4.9 c\_DCH\_65\_TFS\_UE\_6 (WA#RAB4278)

Test step name	c_DCH_65_TFS_UE_6
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4278

Constanting of the second second	ASN 1 Type Constraint Declaration
ConstraintName	s_DCH_66_TF8_UE_6
Oroug:	
Type Name:	Dedicate/TransCnTFS
Derivation Path	
Encoding Variation:	
Comments	#ansport format set for FIAB subflow#1 on dedicated channel
	ANNEV984318
	Constraint Value
ti ti20 i	
( riz. Size billiode	szeTypel 65.
numberOfTbSize	List(zero:NULL)
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numberOffhBib	Listare NULL)
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numberOfTbBigg	List ( and : NULL ).
logicalChannelL	Int all Steves MULL
<b>k</b>	
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numberOfTbBlat	List ( one : NULL ),
logicalChannelL	IstaliStees: NJLL
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logical-hamet	SI MOLE MULL
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Construction of Construction	

## 4.10 c\_DCH\_65\_TFS\_UE\_6\_DL (WA#RAB4279)

Test step name	c_DCH_65_TFS_UE_6_DL
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4279

ASN 1 Type Constraint Declaration	
ConstraintName	LDCH_85_TF8_UE_8_DL
Type Name Derivation Path Encoding Variation Comments	DedicatedTransChTF B
	Passport format set for RAB subflow#1 on dedicated channel
	WW#RAD4278
	Constraint Value
# # #20 1 ( rk_Size bitMigbe numberOffb Bize logic al Channell, ) ( rk_Size bitMode numberOffb Bize logic al Channell, ) ) ( rk_Size bitMode numberOffb Bize logic al Channell, ) )	<pre>i :ubaTypet 0, nListaRBces :NULL : :ubaTypet :39, ListaRBces :NULL : :ubaTypet :42, nList(one :NULL), lstaRBces :NULL : :ubaTypet :55, List(one :NULL), ::ubaTypet :58, List(one :NULL), ::ubaTypet :65, List(one :NULL), ::ubaTypet :65, List(one :NULL), ::ubaTypet :65, List(one :NULL)</pre>

### 4.11 c\_DCH\_99\_TFS\_UE\_5 (WA#RAB4281)

Test step name	c_DCH_99_TFS_UE_5
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4281

Concernance of the second	ASN.1 Type Constraint Declaration
Constraint Name	e_DCH_88_TFE_UE_5
Type Name Derivation Path	DedicatedTransChTFS
Encoding Variation: Comments	transport format set for RAB subflow#1 on dedicated channel
	VOMPRABA281
	ConstraintValue
ti ti20 ( (rt.,Side bifforie numberOffbSig bigicalChannell ), (rt.,Sice bifforie numberOffbSig bigicalChannell ), (rt.,Sice bifforie numberOffbSig bigicalChannell ), (rt.,Sice bifforie numberOffbSig bigicalChannell ), (rt.,Sice bifforie numberOffbSig bigicalChannell ), (rt.,Sice bifforie numberOffbSig bigicalChannell ), (rt.,Sice bifforie numberOffbSig bigicalChannell ), (rt.,Sice bifforie numberOffbSig bigicalChannell ), (rt.,Sice bifforie ), (rt.,Sice coll )	e: stroType1: 99, eList attRizes: NULL e: stroType1: 53, eList(one: NULL) e: stroType1: 63, eList(one: NULL), List atRizes: NULL e: stroType1: 76, eList(one: NULL), List atRizes: NULL e: stroType1: 99, eList(one: NULL), list atRizes: NULL e: stroType1: 99, eList(one: NULL), list atRizes: NULL e: stroType1: 99, eList(one: NULL), list atRizes: NULL

### 4.12 c\_DCH\_40\_TFS\_UE (WA#RAB4287)

Test step name	c_DCH_40_TFS_UE
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4287

S. marine	A5N.1 Type Constraint Declaration
Constraint Name: Group	L_DCH_49_TF8_UE
Type Name Derivation Path	Dedix atsoTrans ChTF8
Encoding Variation	
Comments	transport contrast set for read subcover) on dedicated charmen
11 A	WW#R4D#2ET
	Constraint Value
I BIO (   ric_Size numberOffs Size   topical Channell,   k, semistaticTF_infor thinnetCodingTy nate MackringAbit trr_Size crr0 }	bitModelisizaTypietI:40, Listijzeto:NULL_one:NULL_L IntatEces:NULL mation ( gelconvolutionalimet, ute 295,

### 4.13 c\_TrChInfoDL\_10\_2k\_AMR\_AMR (WA#RAB4116)

Test step name	c_TrChInfoDL_10_2k_AMR_AMR
Reason for change	Wrong constraint used for DL_DCH1.
Summary of change	Used "c_DCH_65_TFS_6_DL" instead "c_DCH_65_TFS_6"
Source of change	New Change
Label	WA#RAB4116

	ASN 1 Type Constraint Declaration
Constraint Name Oroug	C_TECNINDL_10_3R_AMP_AMP
Type Name Derivation Path	TrCHinto
Comments	VWWFAB4118
-	WWRAB4295
	ConstraintValue
L tothid tar_DL_D transportChanne J C techid tar_DL_D techid tar_DL_D techid tar_DL_D techid tar_DL_D techid tar_DL_D techid tar_DL_D techid tar_DL_D tarasportChanne L dtffCS c_TFCS_C ]	CH1, slimb c_DCH_85_TFS_8_DL CH2, slimb c_DCH_89_TFS_5 CH3, slimb c_DCH_40_TFS CH5, slimb c_DCH_148_TFS_DL_m192 imsR_1_8_15_22_58_88_81_61_611_75_82_119_Tx (c_ProverOffsetmfollatow64k)

## 4.14 c\_TrChInfoDL\_10\_2k\_AMR\_AMR (WA#RAB4285)

Test step name	c_TrChInfoDL_10_2k_AMR_AMR
Reason for change	Wrong RM attribute for the DL in the local configuration (see point 4.2 WA#RAB4282).
Summary of change	Used new created constraint "c_DCH_148_TFS_DL_rm192" (see point 4.4) instead of "c_DCH_148_TFS_DL"
Source of change	New Change
Label	WA#RAB4285

Generality	ASN.1 Type Constraint Declaration
Constraint Name Oroup Type Name Derivation Path Encoding Variation Comments	C_TrChInGDL_10_2N_AMPLANT
	Constant/Value
Alignmecheditics() Archieftsc_DL_D( transportChanne h transportChanne h transportChanne h transportChanne h transportChanne h diffrcBic_TFCB_c	LUSY 2004 relinfold_DCH_65_TFS_6_DL 20042 20043 relinfold_DCH_99_TFS_5 20043 relinfold_DCH_40_TFS 20045 relinfold_DCH_148_TFS_DL_mr192 Cmp80_1_8_15_22_59_E0_61_08_75_82_1119_Tx ( r_PowerDRetbriddetow84k; )

### 5 Branches executed in test case 14.2.5a

The test case implementation executed the CS 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\_5a\_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\_5a-pics-pixit-Nokia.html** Text file containing all PICS/PIXIT parameters used for testing.

#### 6.2 Motorola 3G UE 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 14\_2\_5a\_CS-Motorola-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- PICS/PIXIT file 14\_2\_5a-pics-pixit-Motorola.html Text file containing all PICS/PIXIT parameters used for testing.

### 7 References

[1] T1s040248.doc

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

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* TS 3	<mark>4.1</mark>	<mark>23-3</mark>	CR	267	жre	ev	-	ж	Cur	rent ver	sion:	3.5.1	¥
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Proposed change	affec	<i>ts:</i>	JICC a	ррѕж	ME	Ξ	Rac	lio A	cces	s Netwo	ork	Core N	Vetwork
Title: ೫	Add	tion of	RAB t	est case 14.2	2.4a to	RAB	ATS	S V3	.5.1				
Source: ೫	Roh	de & S	chwar:	<u>Z</u>									
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Reason for change: # To add verified GCF package 3 RAB test case 14.2.4a to the approved RAB ATS V3.5.1													
Summary of chang	<b>уе:</b> Ж	This d See d	ocume etailed	ent lists all cha change desc	anges cription	appli for f	ed to urtho	o tes er in	st cas form	se 14.2. ation.	4a rec	quired for	approval.
Consequences if	ж	Test c	ase wi	ll not be adde	ed to A	TS							

not approved.	
Clauses affected:	ж N/A
Other specs affected:	Y       N         %       X         Other core specifications       %         X       Test specifications         X       O&M Specifications
Other comments:	X

#### How to create CRs using this form:

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

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

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

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

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

Title:	Changes to test case 14.2.4a 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 14.2.4a 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_4a
Test Group:	RAB/CombinationOnDPCH/Conversational_Speech/
ATS Version:	iWD-TVB2003-03_D04wk15 + 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 14.2.4a

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.4a 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\_wk15.mp which is part of the iWD-TVB2003-03\_D04wk15 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 14.2.4a:

WA#RAB4021, WA#RAB4118, WA#RAB4298, WA#RAB4299, WA#RAB4303, WA#RAB4297, WA#RAB4188, WA#RAB4304, WA#RAB4277, WA#RAB4278, WA#RAB4279, WA#RAB4281, WA#RAB4287, WA#RAB4116, WA#RAB4285, WA#RAB4305, WA#RAB4308, WA#RAB4107, WA#RAB4275, WA#RAB4276, WA#RAB4280, WA#RAB4283, WA#RAB4284, WA#RAB4306, WA#RAB4289, WA#RAB4291, WA#RAB4307, WA#RAB4309, WA#RAB4310, WA#RAB4311 and WA#RAB4312.

#### 4.2 c\_DL\_AddReconfTransChInfoListTM3\_WA (WA#RAB4282)

Test step name	c_DL_AddReconfTransChInfoListTM3_WA
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 (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 original "c_DL_AddReconfTransChInfoListTM3" the values for DL_DCH5 are set as "same as UL", i.e. the RM attribute used is 170 which is wrong.
Summary of change	Created alternative constraint based in c_DL_AddReconfTransChInfoListTM3 but using an explicit configuration ("c_DCH_148_TFS_UE_DL") in this constraint.
Source of change	New Change
Label	WA#RAB4282



#### 4.3 ts\_SendRB\_SetUpSpeech\_12\_2k\_AMR (WA#RAB4301)

Test step name	ts_SendRB_SetUpSpeech_12_2k_AMR
Reason for change	Wrong RM attribute for the DL $$ (see point 4.2 WA#RAB4282).
Summary of change	Used c_DL_AddReconfTransChInfoListTM3_WA instead of c_DL_AddReconfTransChInfoListTM3
Source of change	New Change
Label	WA#RAB4301

1		Test Step		
Test Step Int Test Step Omup P Objective Datauts Comments	ts_SendRB_SetUpSpeerch_12_2k_AWR (p_ ef RB_Stopo/RB_Setup/ To setup a RADIO BEARER for SPEECH 10 RRC_Def1	Cellid: INTEGER; p_RAB_Id: BITSTRING; p_ActTime: ActivationTime () .2k and to reconfigure the SS accordingly		
Air Label	Behaviour Description	Constraint Ref	V.	Comments
1 +b_1 2 ami	BaffmpCallino (p_Callint) RLC_AM_DATA_REG	<pre>cas_RE_SAUpAN_WWINCH("bc_Calibericated, bc_RE2, bc_M u, cs_RRC_RB_SotUp(", tw_Cellination_d_integrityCheckInto, bc_RRC_TI, p_ActTime, cell_DCH, ONIT, c_RAU_IntsLigtTMD() c_Report Total, g_RAU_i d, c_UL_CommTrChintoTM_12_DL_AMR, c_UL_AddRecontTian rsChintsLigtTM_3 ( c_DCH_S1_TFS_UE_6, c_DCH_100_TFS_ UE_5, c_DCH_68_TFS_UE_6, c_DCH_100_TFS_ UE_5, c_DCH_68_TFS_UE_6, c_DCH_100_TFS_ UE_5, c_DCH_68_TFS_UE_6, c_DCH_100_TFS_ UE_5, c_DCH_68_TFS_UE_6, c_DCH_100_TFS_ UE_5, c_DCH_68_TFS_UE_5, c_DCH_50_TFS_UE_6, c_DCL_3000 IntoLigtTM3_WA is_DCH_81_TFS_UE_6_0_L, c_DCH_100_TFS_UE_5, c_DCH_60_TFS_UE_6, c_DCL_3000 aborFerRLiter_TrapCellarb.prBormCode, toc_SK128, tw_Trap Cellarb.st_DPCH_3ndBorCodel, c_DCH_60_TFS_UE_5, c_DCH_68_4, stor_TrapCellarb.uL_ScramtbingCodel , ONIT ())</pre>		Rv_Bpdf cl + tov_PuncLiniE ++ +a lues. ? same for uplink and down ink ? Freqimb ? www.maba201

### 4.4 c\_DCH\_148\_TFS\_DL\_rm192 (WA#RAB4293)

Test step na	ame	c_DCH_148_TFS_DL_rm192			
Reason for change		According to the default values for the "Radio Bearer Set up" message in TS34.108 (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 original "c_DCH_148_TFS_DL" the RM attribute used is 170 which is wrong.			
Summary of	f change	Created new contraint "c_DCH_148_TFS_DL_rm192" based in "c_DCH_148_TFS_DL" with RM attribute set to 192.			
Source of change		New Change			
Label		WA#RAB4293			
General second		ASN 1 Type Constraint Declaration			
Construint Name E_DCH_148_TF1 Onsup Type Name CommonOrDeds Derivation Path		FB_DL_mt182 ScaledTFG			
Encoding Variation	Transport forma	ta of far simulian beaver on dedicated charmed			

Comments Tansport format set for oignalling bearer on dedicated channel
WMMFAE4263
Constant/Value
(
Int 1040 1) 11\_52e 148,
numberOffb52axLint(perc: NULL, one: NULL),
togk alChanneList alSizes : NULL
(
I,
Beamintatic TF\_information (
channelCodingType convolutional third,
taleMatchingAthtude 192,
ctt\_SDa crc16
)

## 4.5 ts\_4DCH\_ModifySpeech12\_2k\_AMR (WA#RAB4294)

Test step name	ts_4DCH_ModifySpeech12_2k_AMR
Reason for change	Wrong RM attribute for the DL in the local configuration (see point 4.2 WA#RAB4282).
Summary of change	Used new created constraint "c_DCH_148_TFS_DL_rm192" (see point 4.4) instead of "c_DCH_148_TFS_DL"
Source of change	New Change
Label	WA#RAB4294

	Test Step	Carbon Constant and	1010 M 1010 M 101000
<pre>to_4DCH_ModifySpeech12_2k_AMR (p_Cellid : INTE _Inte : UL_DPCH_inte)</pre>	OER; g_ArtTime : ActivationTime;	p_DL_Commoninformation	DL_Commoninformation; p_UL_DPCH
RB_Steps/RB_Configuration/			
to reconfigure physical shannel DPCH1 and connect 0 annel and map DTCH(subflow#1), DTCH(subflow#2)	DCH1, DCH2, DCH3 and DCH5 to t , DTCH(subtlaw#3) to the DCH1, D	he physical channel, then m CH2, DCH3 transport channi	as DCCH1-4 on to the DCH5 transport ch of respectively. Used for 10.2 kbps speech
IntOtherwiseFail			
Behaviour Description	Constraint R	lef .	Comments
	30_40CH_ModifySpeech12_2k_AMR (p_Callid INTE _intp : UL_DPCH_intp) RE_StepsIRB_Configuration/ to reconfigure physical channel DPCH1 and connect1 annel and map DTCH(builtow#1), DTCH(subfiew#2) intOtherwiceFail Behaviour Description	Test Step  30_4DCH_ModifySpacen12_3k_AMR (p_Calitid INTEGER; p_Adfine : ActivationTime; _inte : UL_DPCH_inte) RE_StepsIRB_Configuration/ to reconfigure physical shannel DPCHt and connect DCH1, DCH2, DCH3 and DCH5 to t annel and map DTCH(subflow#1), DTCH(subflow#2), DTCH(subflow#3) to the DCH1, D intOtherwiseFail  Behaviour Description Constraint F	Test Step  10_4DCH_ModifySpeech12_2k_AMR (p_Cellid : INTEGER; p_ArtTime : ActivationTime; _p_DL_Commoninformation _into : UL_DPCH_into) RE_StepsIRB_Configuration/ to reconfigure physical channel DPCH1 and connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then ma annel and map DTCH(buildow#1), DTCH(subflow#2), DTCH(subflow#3) to the DCH1, DCH2, DCH3 transport channel intOtherwiseFail  Behaviour Description Constraint Ref

4	CPHI'7CPHV_RL_Modify_CNF	ca_RL_NotityCn/tp_Cells(tst_DL_DPCH1)	
5	CPHMCPHY_TICH_Confg_REQ	cs_4_DCH_102_DL_Into (p_Celliit, tst_DL_DPCH1, c_TrChConfigTypeDCH_NatBH0,	2.
		<pre>c_DCH_81_TF8_8_DL, c_DCH_183_TF8_5, c_DCH_01_TF8_5, c_DCH_01_TF8_DL_mt142, c_TFC8_Cmp10_1_8_15_22_58_60_61_68_75_82_119_Tx( c_PowerOffsetIntBalay64k).p_ActTime(</pre>	WARRAB4294
6	CPHY?CPHY_TrCH_Cattlg_CNF	ca_TrChCtgCnftg_Callid,toc_DL_DPCH1)	
x.	CMACI CMAC_Config_REG	ca_CMAC_Recordiginto (sc_CwiDedusted, tsc_DL_DPCH1, c_UE_info(0wiT), c_TTChintoDL_12_2s_AMPII_TTCS_ c_UE_info(0wiT), c_TTChintoDL_12_2s_AMPII_TTCS_	3

### 4.6 c\_TrChInfoDL\_12\_2k\_AMR (WA#RAB4286)

Test step name	c_TrChInfoDL_12_2k_AMR	
Reason for change	Wrong RM attribute for the DL in the local configuration (see point 4.2 WA#RAB4282).	
Summary of change	Used new created constraint "c_DCH_148_TFS_DL_rm192" (see point 4.4) instead of "c_DCH_148_TFS_DL"	
Source of change	New Change	
Label	WA#RAB4286	

ASN.1 Type Constraint Declaration					
Constraint Name Onsup Type Name Derivation Path: Encoding Variation: Comments	E_TECHANDE_12_2k_AMR(p_TFCETFCE) TECHINE				
	Constrant Value				
ficermectedTrCHLet[] ficermectedTrCHLet[] transportChannelinfolo_DCH_81_TF8_6_DL L transportChannelinfolo_DCH2, TransportChannelinfolo_DCH3, transportChannelinfolo_DCH3, transportChannelinfolo_DCH5, L transportChannelinfolo_DCH5, transp					

### 4.7 ts\_4DCH\_ModifySpeech12\_2k\_AMR (WA#RAB4295)

Test step name	ts_4DCH_ModifySpeech12_2k_AMR	
Reason for change	TTCN error, passed UL constraint for the DL parameter.	
Summary of change	Used "c_TrLogMappingDL_4DCCH_3DTCH" instead of "c_TrLogMappingUL_4DCCH_3DTCH"	
Source of change	New Change	
Label	WA#RAB4295	

Sector States	A REAL PROPERTY AND A REAL	Test Step	The summaries of the second		
Test Step Ht	to_4DCH_ModifySpeech12_2k_AMR (p_Cellid : INT _Into : UL_DPCH_Into)	EOER; p_ActTime : ActivationTime; p_DL_Commo	ninformation DL_Co	mmoninformation; p_UL_DPCH	
Test Stee Group Ref.	RB_Steps/RB_Configuration/			Contraction of the second s	
Objective	to reconfigure physical shannel DPCH1 and connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport ch annel and map DTCH(subflow#1), DTCH(subflow#2), DTCH(subflow#3) to the DCH1, DCH2, DCH3 transport channel respectively. Used for 10.2 kbps speech				
Defeuits Comments	InitOtherwiseFail				
_ Ls.	Behaviour Description	Constraint Ref	1	Comments	
6	CPH/YCPHV_TICH_Config_CNF	ca_TiChCtpCtrlp_Callkl,tsc_DL_DPCH1)			
----	---------------------------	--	-----------------		
7	CMACTCMAC_Config_REG	ca_CMAC_Recordiginto (ss_CellDedealed, ss_DL_DFCHt, c_UE_Infl(OWT), c_TrChintoDL_12_3L_AMRIU_TFCS_ Cmpt0_1_8_15_22_59_60_61_09_75_92_119_Tx (c_Power OffsethrtoBelow64k)), c_TrLogMeppingOL_4DCCH_3DTCH_p ActTimel	3 VM#RAB4295		
8	CMAC 7 CMAC_Canfig_CNF	ca_CMAC_CfgCHRac_CellDedicated, tax_DL_DPCH1)			
10	CPH/ICPHY_RL_Modity_REQ	ca_UL_DPCH_Modifyink (b_Cellis, tsr_UL_DPCH1, a_UL_D PCH_mba_ActTime)	1.		

### 4.8 ts\_4DCH\_ModifySpeech12\_2k\_AMR (WA#RAB4296)

**Reason for change** TTCN error: passed wrong constraint for the TFCS.

Summary of change Used "c\_TFCS\_Cmpl0\_1\_8\_15\_22\_59\_60\_61\_68\_75\_82\_119\_Rx" instead of "c\_TFCS\_Cmpl0\_To239\_Rx"

Source of change New Change

Label WA#RAB4296

			Test Step	A COMPANY AND A COMPANY
Tost Stop III Tost Stop Orsup Ref Objective Defaults		101, Step 19_4DCH_ModifySpeech12_3k_AMR (p_Cellid: INTEGER; p_ArtTime: ActivationTime; _p_DL_Commoninformation: DL_Commoninformation; p_UL_DPCH _infe: UL_OPCH_info; RB_StepuRB_Configuration/ 10 reconfigure physical channel DPCH1 and connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport ch annel and map DTCH(subflow#1), DTCH(subflow#2), DTCH(subflow#3) to the DCH1, DCH2, DCH3 transport channel respectively. Used for 10.2 ktps speech IntOtherwiseFail		
Com	nents		20010007200	
		Designation Destinguous	CONSERVITIEN	- commenta
12	CP	HYPOPHIC_TICH_Contlg_CNF	Ea_TrChClgCnf(p_Cellid, tor_UL_DPCH1)	
13	ca	MCTCMAC_Confg_REG	ta_CWAC_Reconfightfo (bst_CellDedicated, tat_UL_DPCH1, t_UE_info(OMIT, OMIT), t_TrChinfoUL_12_2k_AWR(t_TFCS_ Cmpi0_1_8_15_22_59_00_81_68_75_82_118_R6, t_TrLog	3. WANTEAE 4296
			MappingUL_4DCCH_3DTCH _g_AcfTime)	
14	C	MAC 7 CMAC_Config_CNF	ca_CMAC_CfpCnf8sc_CellDedicated, tsc_UL_DPCH1)	
15	IDK_RAT	= tito]		
16	TRUE			

### 4.9 ts\_SendRB\_SetUpSpeech\_12\_2k\_AMR (WA#RAB4302)

Test step name	ts_SendRB_SetUpSpeech_12_2k_AMR
Reason for change	In order to configure properly the L1 in the SS, "the Power Control Info for UL DPCH" is necessary. This information is missing in the original constraint used.
Summary of change	Used "cb_UL_DPCH_Info ( tsc_Sf64, pl0_84, tcv_TmpCellInfo.uL_ScramblingCode)" instead of "c_UL_DPCH (pl0_84, tsc_Sf64)"
Source of change	New Change
Label	WA#RAB4302

a.		Test Step		
Test Step Id Test Step Group Po Objective Defaults Commenta	ts_SensRB_SetUpSprech_12_2k_AMR (p_Cell of RB_Steps/RB_Betup) To setup a RADIO BEARER for SPEECH 10.2k RRC_Dutt	id INTEGER, p_RAB_Id_BITSTRING; p_ActTime : Activate and to reconfigure the SS accordingle	nTime )	
La	Behaviour Description	Constraint Ref.		Comments
8 1 1 4 1 Fr	1. An Profession Collection Control of Contr			

3		AM TRUC_AM_DATA_ONF	car_AM_DataMuiCrif (toc_CellDedicated, toc_RB2, toc_Mu)		
4		+ %_40CH_ModifySpeech12_3/_AMR (p_Cellis, p_ActTime, c_D_CommissionmationRB_SetUp (%c_Std12 ii_4), (b_UA_DPCH_bits (%c_Std4, pt0_84, bv_TmpCellinte, ii_StransblingCode))			AN#RAB4302
5		• ts_RB10_To_RB12_TM_Config8peace (81, 103, 60)			
6	TEP	+ ts_RRC_ReceiveRB_SetupCmp1(p_CetIld, cetI_DCH_8 peert)			
				-	
104	tania (	constent.		_	

### 4.10 c\_DCH\_103\_TFS\_UE\_5 (WA#RAB4106)

Test step name c\_DCH\_103\_TFS\_UE\_5

**Reason for change** According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".

Summary of change Changed to "allSizes" all the "logicalChannelList" IEs.

Source of change New Change

Label WA#RAB4106

ABN.1 Type Constraint Declaration		
Constraint Name	c_DCH_103_TFS_UE_6	
Type Name	DedicatedTransChTFS	
Derivation Path Encoding Variation		
Commente	transport format set for RAB subflow#1 on dealcated channel	
	VOLATEABATER	
	Constraint Value	
TS TI20   (rtr_Size tetMode rumberOfTSize logicalChannell h Intr_Size tetMode rumberOfTSize logicalChannell h (rtr_Size tetMode rumberOfTbize logicalChannell h (rtr_Size tetMode rumberOfTbize logicalChannell h (rtr_Size tetMode rumberOfTbize logicalChannell h tr_Size tetMode rumberOfTbize logicalChannell h tr_Size tetMode rumberOfTbize logicalChannell h tr_Size tetMode rumberOfTbize logicalChannell h h	<pre>startype1:103, eListitzen: NULL_1_ istattatsen: NULL_1_</pre>	

## 4.11 c\_DCH\_81\_TFS\_6 (WA#RAB4110)

Test step name	c_DCH_81_TFS_6
Reason for change	Wrong "numberOfTbSizeList" IE in the first elemet of the list. It should be { zero : NULL } not { zero : NULL, one : NULL }.
Summary of change	Corrected "numberOfTbSizeList" IE in the first elemet of the list.
Source of change	New Change
Label	WA#RAB4110

ASN.1 Type Constraint Declaration		
Constaint Name	EDCHURLTREA	
Type Name Derivation Path	CommonOrDedicatedTF15	
Comments	transport format set for RAB subflow#1 on dedicated channel	
	VN#FAFA110	
3	Constraint Value	
numberOffbölds logitalChannell, k ltb_Boe 39, numberOffbölds logitalChannell, h ltb_Boe 43, numberOffbölds logitalChannell, h ltb_Size 35, numberOffbölds logitalChannell, h ltb_Bize 81, numberOffbölds logitalChannell, h semistalicTF_info	ALLATIONE NULL, ALLATIONE NULL,	

### 4.12 c\_DCH\_81\_TFS\_UE\_6 (WA#RAB4111)

Test step name	c_DCH_81_TFS_UE_6
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4111

ASN.1 Type Constraint Declaration		
Constraint Name	8_BCH_01_TF8_UE_8	
Type Name Derivation Path	DedicatedTransChTFS	
Encoding Variation Comments	Inansport formal set for RAB subflow#1 on dedicated channel	
	VOARAB4111	
	Constraint Value	
Inc.sce before numberOffbSig hgjcaChannet h (nc.Sce beMode numberOffbSig hgjcaChannet h (nc.Sce beMode numberOffbSig hgjcaChannet h (nc.Sce beMode numberOffbSig hgjcaChannet h (nc.Sce beMode numberOffbSig hgjcaChannet h (nc.Sce beMode numberOffbSig hgjcaChannet h (nc.Sce beMode numberOffbSig hgjcaChannet h	<pre>startype1:st, eList(zers:NULL), ist artExas:NULL s:startype1:30, eList(zers:NULL)) ist artExas:NULL s:startype1:42, eList(zers:NULL), ist artExas:NULL) ist artExas:NULL) ist artExas:NULL) ist artExas:NULL) ist artExas:NULL) ist artExas:NULL) ist artExas:NULL) ist artExas:NULL) ist artExas:NULL) ist artExas:NULL)</pre>	

### 4.13 c\_DCH\_81\_TFS\_UE\_6\_DL (WA#RAB4112)

Test step name	c_DCH_81_TFS_UE_6_DL
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Changed to "allSizes" all the "logicalChannelList" IEs.
Source of change	New Change
Label	WA#RAB4112

f	ASN.1 Type Constraint Declaration
Constraint Name Onsup	e_DCH_01_TT8_UE_6_DL
Type Name Derivation Path	DedicatedTransChTF8
Encoding Variation Comments	transport format set for RAB subflow#I on dedicated channel
	WARRAGA112
	ConstraintValue
19 1120 ( 11 1120 ) 1 1120 1 1 1120 1250 100000 1 112000 100000 1 112000 100000 1 112000 10000 1 112000 1 1120000 1 1120000 1 1120000 1 1120000 1 1120000 1 1120000	<pre>stooType1:0, Kinf one:NULL 1 ist attRizes::NULL :stooType1:20, Kinf one:NULL 1 ist atRizes::NULL :stooType1:20, Kinf one:NULL 1, ist atRizes::NULL :stooType1:20, Kinf one:NULL 1, ist atRizes::NULL :stooType1:20, Kinf one:NULL 1, ist atRizes::NULL :stooType1:20, Kinf one:NULL 1, ist atRizes::NULL :stooType1:20, Kinf one::NULL 1, ist atRizes::NULL</pre>

### 5 Branches executed in test case 14.2.4a

The test case implementation executed the CS 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\_4a\_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\_4a-pics-pixit-Nokia.html** Text file containing all PICS/PIXIT parameters used for testing.

### 6.2 Motorola 3G UE 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 14\_2\_4a\_CS-Motorola-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

• **PICS/PIXIT file 14\_2\_4a-pics-pixit-Motorola.html** Text file containing all PICS/PIXIT parameters used for testing.

### 7 References

[1] T1s040246

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

CHANGE REQUEST						
<sup>ж</sup> ТS 34	<mark>.123-3</mark> CR <mark>268</mark> жro	ev - # Current version: 3.5.1 #				
For <mark>HELP</mark> on usir	ng this form, see bottom of this pag	ge or look at the pop-up text over the $#$ symbols.				
Proposed change aff	fects: UICC apps₩ M	IE Radio Access Network Core Network				
Title: # A	ddition of GCF P1 test case 12.4.1	I.1a to NAS ATS V3.5.1				
Source: # R	Rohde & Schwarz					
Work item code: <b>%</b> N	I/A	Date: # 20/04/2004				
Category: # U	B Ise <u>one</u> of the following categories: F (correction) A (corresponds to a correction in a B (addition of feature), C (functional modification of feature D (editorial modification) Detailed explanations of the above categories e found in 3GPP <u>TR 21.900</u> .	Release: #       R99         Use one of the following releases:       2         2       (GSM Phase 2)         an earlier release)       R96         R97       (Release 1996)         R97       (Release 1997)         re)       R98         R99       (Release 1998)         R99       (Release 1999)         egories can       Rel-4         Rel-5       (Release 5)         Rel-6       (Release 6)				
Reason for change:	# To add verified GCF package 1 ATS V3.5.1	1 NAS test case 12.4.1.1a to the approved NAS				
Summary of change: #       This document lists all changes applied to test case 12.4.1.1a required for approval.         See detailed change description for further information.         This CR is a revision of T1s040041 and includes feedback from MCC160 as implemented in their ATS release iWD-TVB2003-03_D04wk15.						
Consequences if not approved:	<b>#</b> Test case will not be added to A	ATS				
Clauses affected:	ж <mark>N/A</mark>					
Other specs affected:	YNXOther core specificationsXTest specificationsXO&M Specifications	s ¥				
Other comments:	ж					

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

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

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

Title:	Changes to test case 12.4.1.1a 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 12.4.1.1a which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 12.4.1.1a	2
4.1	Introduction	2
4.2	NAS OtherwiseFail	2
4.3	RRC_Def1	3
5	Branches executed in test case 12.4.1.1a	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_1_1a
Test Group:	GMM/ Routing_Area_updating / PS_only_RAU
ATS Version:	iWD-TVB2003-03_D04wk15 + 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 12.4.1.1a

#### 4.1 Introduction

This section describes the changes required to make test case 12.4.1.1a run correctly with a 3G UE.

The ATS version used as basis was NAS\_wk15.mp which is part of the iWD-TVB2003-03\_D04wk15 release.

### 4.2 NAS\_OtherwiseFail

Test step name	NAS_OtherwiseFail
Reason for change	Incorrect ASP constraint "car_InitDirectTransfer" used in TTCN Line 26 of default handler "NAS_OtherwiseFail"
Summary of change	Changed ASP constraint "car_InitDirectTransfer" to "car_PS_InitDirectTransfer"
Source of change	New change
Label	

Before modification

Default Name		le la	NAS_OtherwiseFail		
Nr	Label	Behaviour Description	aviour Description Constraints Ref		Comments
26		<pre>Do ? RRC_DataInd [ tov_GMM_RAU_Expect = IRUE ]( tov_TmpRAU_ReqFDU := RRC_DataInd.msg, tov_CellIndInfo.start_PS := RRC_DataInd.start , tov_GMM_RAU_Rec := IRUE )</pre>	<pre>car_InitDirectTransfer ( tsc_CellDedicated , tsc_RB3, cbr_RA_UpdReqAny ( c_GDM_UpdateType_v(7,7), c_RAI_Any_v, 7 ) )</pre>		ROUTING AREA UPDATE REQUEST Øsic EW Tis040041 sic0
27		RETURN			

#### After modification

Def:	Default Name 30		NAS_OtherwiseFail		
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
26		<pre>Dc ? RRC_DataInd [ tcv_GNM_RAU_Expect = TRUE ] ( tcv_TmpRAU_ReqPDU := RRC_DataInd.msg, tcv_CellIndInfo.start_PS := RRC_DataInd.start , tcv_GNM_RAU_Rec := TRUE )</pre>	<pre>par_PS_InitDirectTransfer ( tsc_CellDedicated , tsc_RB3, cbr_RA_UpdRegAny ( c_GNM_UpdateType_v(2, 2), c_RAI_Any_v, 2 ) )</pre>		ROUTING AREA UPDATE REQUEST Øsic EW Tis040041 sic0
27		RETURN			

## 4.3 RRC\_Def1

Test step name	RRC_Def1
Reason for change	Incorrect ASP constraint "car_InitDirectTransfer" used in TTCN Line 5 instead of "car_PS_InitDirectTransfer".
Summary of change	Changed ASP constraint "car_InitDirectTransfer" to "car_PS_InitDirectTransfer"
Source of change	New change
Label	

#### Before modification

Defa	Default Name		ef1		
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
5		Dc ? RRC_DataInd { tcv_GRM_RAU_Expec TRUE ] ( tcv_TmpRAU_ReqPDU := RRC_DataInd.msg tcv_CellIndInfo.start_PS := RRC_DataInd.start , tcv_GRM_RAU_Rec := TRUE )	<pre>car_InitDirectTransfer ( tsc_CellDedicated , tsc_BB3, cbr_RA_OpdRegAny ( c_GR0(UpdateType_v(?,?), c_BAI_Any_v, 7) )</pre>		ROUTING AREA UPDATE REQUEST Bric EW T1s040041 sic9
6		RETURN			

#### After modification

Default Name		RRC_Def1		]		
Nr	Label	Behaviour Description		Constraints Ref	Verdict	Comments
5		Dc ? RRC_DataInd [ tcv_GRM_RAU TRUE ]( tcv_TmpRAU_ReqFDU := RRC_DataI tcv_CellIndInfo.start_F5 := SRC_DataInd.start , tcv_GRM_RAU_Rec := TRUE )	_Expect = nd.msg,	<pre>par_P9_InitDirectTransfer ( tsc_CellDedicated , tsc_BB3, cbr_DA_UpdRegAny ( c_GMM_UpdateType_v(?,?), c_BAI_Any_v, ? ) )</pre>		ROUTING AREA UPDATE REQUEST Øsic EW Tis040041 sic9
6		RETURN				

### 5 Branches executed in test case 12.4.1.1a

The test case implementation executed the PS branch for NMO\_II, UE\_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

## 6 Execution Log Files

#### 6.1 Nokia 3G UE 7600

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

- Execution log files 12\_4\_1\_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 12\_4\_1\_1a-pics-pixit-Nokia.txt Text file containing all PICS/PIXIT parameters used for testing.

### 7 References

#### [1] T1s040042

This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file (referenced by T1s040041, for wk07 ATS)

CR-Form-v7								
CHANGE REQUEST								
ж	TS 34.	<mark>123-3</mark>	CR 269	жrev	- #	Current vers	<sup>ion:</sup> 3.5.1	ж
For <mark>HEL</mark>	P on usin	g this for	m, see bottom o	of this page or	look at th	e pop-up text	over the X syn	nbols.
Proposed c	hange affe	ects: L	JICC apps#	ME	Radio A	ccess Networ	k Core Ne	twork
Title:	ж <mark>Те</mark>	est Case	13.2.1.1					
Source:	ដ <mark>Ar</mark>	<mark>ritsu Lim</mark>	ited					
Work item o	code: ೫ <mark>N/</mark>	A				<i>Date:</i> ೫	8/4/2004	
Category:       %       B       Release: %       R99         Use one of the following categories:       Ise one of the following releases:       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         Detailed explanations of the above categories can be found in 3GPP TR 21.900.       Rel-4       (Release 5)         Rel-6       (Release 6)       Rel-6       Rel-8						ases:		
Reason for	change:	₩ No cha	ange required.					
Summary o	f change:	# Pleas	e be sure that t hergSpeech, ilyEmergency,	he following va BOOLEA BOOLEA	Ilues are : N, TRI N, FAL	setting correc UE _SE	t in the PICS/P	IXIT file:
Consequen	ces if	¥						

Clauses affected:	₩ N/A	
	YN	
Other specs	🕱 🛛 🗙 Other core speci	cifications #
affected:	X Test specification	ons
	X O&M Specification	ions
Other comments:	X	

not approved:

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

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

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

Title:	Changes to test case 13.2.1.1 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 13.2.1.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

## 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 13.2.1.1.	2
4.1	Introduction	2
4.2	Detailed changes	2

# **3** Verification Test Summary

Test Case:	tc_13_2_1_1		
ATS Version:	iWD-TVB2003-03_D04wk1	2	
Domain Tested:	PS		
Test Configuration:	Integrity Enabled		
	Ciphering Disabled		
	pc_CS =TRUE & pc_PS =	FALSE	
	Please be sure that the following values are setting correct in the PICS/PIXIT file:		
	pc_EmergSpeech,	BOOLEAN, TRUE	# Emergency call
	pc_OnlyEmergency,	BOOLEAN, FALSE	
System Simulator used:	Anritsu Protocol Test Syste	em MX785201A	
UE used:	Nokia 3G UE 7600 & Moto	rola A835	
Verification Status:	PASS		

# 4 Corrections required for test case 13.2.1.1

#### 4.1 Introduction

This section describes the changes required to make test case 13.2.1.1 run correctly with a 3G UE. All modifications are described below.

The ATS version used as basis was NAS\_wk12.mp which is part of the iWD-TVB2003-03\_D04wk12 release.

#### 4.2 Detailed changes

No change has been made to NAS\_wk12.mp.

		CR-Form-v7		
	CHANGE REQUEST			
<sup>#</sup> TS 34. <sup>-</sup>	<mark>123-3</mark> CR <sup>270</sup>	ev - <sup>#</sup> Current version: <b>3.4.0</b> <sup>#</sup>		
For <u>HELP</u> on using	g this form, see bottom of this page	e or look at the pop-up text over the X symbols.		
Proposed change affe	ects: UICC apps# ME	E Radio Access Network Core Network		
Title: # Ad	dition of GCF P3 test case 10.1.2.6	6.6 to NAS ATS V3.4.0		
Source: % Ro	hde & Schwarz			
Work item code: # N//	Ą	Date: # 26/03/2004		
Category: # B Usi De be Reason for change: \$ Summary of change: \$	<ul> <li>e <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an</li> <li>B (addition of feature),</li> <li>C (functional modification of feature,</li> <li>D (editorial modification)</li> <li>tailed explanations of the above categor</li> <li>found in 3GPP <u>TR 21.900</u>.</li> <li>C To add verified GCF package 3 I ATS V3.4.0</li> <li>C This document lists all changes a</li> </ul>	Release: % R99         Use one of the following releases:         2       (GSM Phase 2)         n earlier release)       R96       (Release 1996)         R97       (Release 1997)         e)       R98       (Release 1998)         R99       (Release 1999)         pories can       Rel-4       (Release 4)         Rel-5       (Release 5)         Rel-6       (Release 6)		
	approval. See detailed change description This CR is a revision of T1s0401 04/03/04 (see section 4.2).	n for further information. 157 and includes comments raised by Sasken on		
Consequences if भ not approved:	f Test case will not be added to A	TS		
Clauses affected:	۴ <mark>N/A</mark>			
Other specs ३ affected:	YNXOther core specificationsXTest specificationsXO&M Specifications	ж Ж		
Other comments:	£			

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

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

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

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

### Tdoc **#**T1s040234

Title:	Approval of test case 10.1.2.6.6	
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 the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.6.6 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

# 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
<b>4</b> 4.1	Corrections required for test case 10.1.2.6.6.	<b>2</b>
4.2	Introduction	2
5	Branches executed in test case 10.1.2.6.6	4
<b>6</b> 6.1 6.2	Execution Log Files Nokia 3G UE 7600 Motorola 3G UE A835	<b>4</b> 4 4
7	References	4

# **3 Verification Test Summary**

Test Case:	TC_10_1_2_6_6
Test Group:	CC/ OutgoingCall / U10
ATS Version:	iWD-TVB2003-03_D04wk07 + 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 10.1.2.6.6

### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.6.6 run correctly with a 3G UE.

The ATS version used as basis was NAS\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 release. The test case also passes in the NAS\_wk12.mp version.

#### 4.2 Introduction

Test step name	Local test step 'It_RelCompOrCallConf' in test body
Constraint name	'cdr_CallConfCau17'
Reason for change	As per 34.123-1 at Step B2 the Call Confirmed message should be received "with cause "user busy" with the TI of the second transaction". In the TTCN 'cr_CallConf" is used which accepts any cause value from the mobile.
Summary of change	<ul> <li>Added new receive constraint cdr_CallConfCau17 with IE cause value set to 17.</li> <li>Changed line 19 and 21 in local test step lt_RelCompOrCallConf: 3<sup>rd</sup> parameter in constraint car_UplinkDirectTransfer is changed from 'cr_CallConf' to 'cdr_CallConfCau17'.</li> </ul>
Source of change	Sasken, see e-mail on T1/SIG reflector on 04/03/04
Label	n/a

Summer and		PDU Constraint 0	Declaration		
Constraint Name:	cdr_CaliConfCau17 (p_T1 Tt p_Streamld : Streamld )				
POU Niener	CALLCONTRIMED				
Encoding Pule Norve	cr_CallCont				
Encoding Variation	ON L CONFIRM	NED , releases industriality with the course values 17 America	0.01		
connerts.	GRC VB sasten enal 04/03/2004 BIOG				
Field	Karee	ElenertValue	Type Encoding	Convients	
1		p_TI			
EC_ProtocolDescription	ator	1001115			
migType		1770010078			
repeating		c_RepeatingAny IF_PRESENT			
bcap1		cr_BcapAnyMO IF_PRESENT			
bcap2		ct_BcspAnyMO.IF_PRESENT			
E.044	(r_Cau(17)				
Capationes		or_CC_CapabilitiesAny IF_FRESENT			
bineste		p_Streamid			

t_ReiCompl	Orcalicont			
10	TBPI	D: 7 RRC_DataInd	car_UpirkDirectTransfer ( toc_C (P) elDedicated , toc_RB3, cr_ReiC rspCau ( tov_TLR, 17 ))	6. Step A2
19		Dt 7 RRC_Datand (thy_CalCorf - RRC_Datand.mig, thy_RAB_til - thy_CalCorf streamd val	car_UpIniCetectTransfer( bc_C efDenciated, bc_RB3, car_ColiC entCauTi) (tov_TLR.cr_Stream kReevent ))	Step EDa Brac VIII sasken enal Getto 2004 trollig
20		4t_AtOrReCompl		2007 C 2012
21		Dc 7 RRC_DataInd (trv_CallConf = RRC_DataInd msg, trv_R48_id := tsr_R48_DefC8 )	car_UplinkDirectTransfer ( tsc_C elDedicated, tsc_RB3, cdr_Call ContCaul7 ( tcv_TLR,- ))	Step 92b @SIC VB sasken email 04/03/ 2004 BIC@
22		Ht_AttOrRetCompl		

Note: Above TTCN code shows NAS\_wk12 implementation

## 5 Branches executed in test case 10.1.2.6.6

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and 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 10\_1\_2\_6\_6\_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 10\_1\_2\_6\_6-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

#### 6.2 Motorola 3G UE 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 10\_1\_2\_6\_6\_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 10\_1\_2\_6\_6-pics-pixit-Motorola.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040158 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

		CR-Form-v7	
	CHANGE REQUEST		
<sup>ж</sup> TS 34	.123-3 CR 271 <b># rev</b>	- # Current version: <b>3.4.0</b> #	
For <u>HELP</u> on usir	ng this form, see bottom of this page or	look at the pop-up text over the X symbols.	
Proposed change aff	fects: UICC apps # ME	Radio Access Network Core Network	
Title: # A	ddition of GCF P3 test case 10.1.2.7.2	to NAS ATS V3.4.0	
Source: # R	Rohde & Schwarz		
Work item code: 🕱 N	I/A	<b>Date:</b>	
Category: %	B Jse <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an ea B (addition of feature), C (functional modification of feature) D (editorial modification) D (editorial modification) D tetailed explanations of the above categorie e found in 3GPP <u>TR 21.900</u> .	Release: % R99         Use one of the following releases:         2       (GSM Phase 2)         rlier release)       R96       (Release 1996)         R97       (Release 1997)         R98       (Release 1998)         R99       (Release 1999)         s can       Rel-4       (Release 4)         Rel-5       (Release 5)         Rel-6       (Release 6)	
Reason for change:	# To add verified GCF package 3 NA ATS V3.4.0	S test case 10.1.2.7.2 to the approved NAS	
Summary of change:	<ul> <li>** This document lists all changes approval.</li> <li>See detailed change description for</li> <li>This CR is a revision of T1s040159</li> <li>04/03/04 (see section 4.2).</li> </ul>	blied to test case 10.1.2.7.2 required for further information. and includes comments raised by Sasken on	
Consequences if not approved:	<b>#</b> Test case will not be added to ATS		
Clauses affected:	ж <mark>N/A</mark>		
Other specs affected:	YNXXXOther core specificationsXTest specificationsXO&M Specifications	ж	
Other comments:	ж		

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

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

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

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

### Tdoc #T1s040233

Title:	Approval of test case 10.1.2.7.2		
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 the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.7.2 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

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# **3 Verification Test Summary**

Test Case:	TC_10_1_2_7_2
Test Group:	CC/ OutgoingCall / U11
ATS Version:	iWD-TVB2003-03_D04wk07 + 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 10.1.2.7.2

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.7.2 run correctly with a 3G UE.

The ATS version used as basis was NAS\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 release. The test case also passes in the NAS\_wk12.mp version.

### 4.2 Test step ts\_CC\_CheckStateU0\_MO\_CurrentTI

Test step name	ts_CC_CheckStateU0_MO_CurrentTI, tc_10_1_2_7_2 : It_Body
Reason for change	Test step ts_CC_CheckStateU0_MO is used to send STATUS ENQUIRY and receive RELEASE COMPLETE message.
	This test step sends STATUS ENQUIRY for all the TI 0 to 6.
	However 34.123-1 does not expicitly mention to send STATUS ENQUIRY for all the TI in test procedure, expected sequence or test requirements.
	Thus STATUS ENQUIRY message should be send only for the current TI.
Summary of change	Added test step ts_CC_CheckStateU0_MO_CurrentTI to check that the current MO CC entity in the UE is in state U0 for the current TI value.
	Replaced test step call ts_CC_CheckStateU0_MO with ts_CC_CheckStateU0_MO_CurrentTI in line 10 of test body.
Source of change	Sasken, see e-mail on T1/SIG reflector on 04/03/04
Label	n/a

6.				Test Step			
Te	ist Ste	ip id:	ts_CC_CheckStateUB_MO_CurrentTI ( p	Celld : INTEGER )			
Te	et Ste	Group Ref.	CC_Steps/				
0	ijectiv	ė.	Check that the current MO CC entity in th	e MS is in state 00			
D	faults		NAS_OtherwiseFail				
Comments: the current transaction Iden		the current transaction Identifier (TI) valu	e is checked.				
	5		Behaviour Description	Constraint Per	34	Comme	nbs :
t		(tov_TL_S.trv tov_TL_R.trv	/ai = NT_TO_BIT ( tov_Counter , 3), /ar = NT_TO_BIT ( tov_Counter , 3))				
2		Dr I RRC_D	ataReq	<pre>ca_DataReq ( tsc_CellDedicated, tsc_RB3, cs_StatusE ng ( tor_Ti_S ) )</pre>			
3	TSP	Dt 7 RRC_	DataInd	<pre>car_UpIniDirectTransfer ( tsc_CelDedicated, tsc_R83 , cr_RelCmpICau ( tov_TLR, 81 ) )</pre>	(P)	8	

15				Test Case		
Test Case id: tr_10_1_2_7_2 Test Group Reference: CC/OutgoingCal/011// Purpose: 1)To verify that the a CC-entity of the US "Disconnect Request", upon receipt of th COMPLETE and enter the CC-state U0, Configuration Defaults: NAS_CtherwiseFall Connects		tr_10_1_2_7_2 CC/OutgoingCal/U11/ 1)To verify that the a CC-entity of the UE in "Disconnect Request", upon receipt of the F COMPLETE and enter the CC-state U0, "N NAS_CtherwiseFal	I CC-state U11, RELEASE message shall return RELEASE ut <sup>e</sup> .			
	1		Behaviour Description	Constraint Ref		Comments
1 2 3 4 5 5 7 8	TBS	START t_Gua + ts_intVanat + ts_CC_Cre + ts_CC_Ba + ts_CC_Pr ( tov_Test Dc 1 RRC)	rd (300) Ildis ateCertA ated ( tsc_CeltA ) isicSerVMO_Tel EnterUt1(_3( tsc_CeltA) Body := TRUE ) _DataReq	ca_DataReq ( tsc_Cel/Dedicated, tsc_RB3, cs_Rel ( tcv _TL_5 ))		2 1 3 Step 1
9	TBP	Dc 7 RRC	_DataInd	car_UpinkDirectTransfer ( tst_Cel/Dedicated, tst_PB3, cr_Re(Cnpl ( tcv_T(_R ))	(P.	Step 2
10		+ b_CC + b_RR	CheckStateU0_MO_CurrentTi ( toc_CelA ) C_ConnRetNoNAS ( toc_CeliA, cel_Dch )			Steps 3-5 @SIC VB email from sasken on 04/03 /2004 SIC@
12		+ pa_C	annectionAndES_Rel ( toc_CellA )			Step 6

Note: Above code example shows NAS wk12 implementation

## 5 Branches executed in test case 10.1.2.7.2

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and 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 10\_1\_2\_7\_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 10\_1\_2\_7\_2-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 6.2 Motorola 3G UE 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 10\_1\_2\_7\_2\_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 10\_1\_2\_7\_2-pics-pixit-Motorola.txt Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040160 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

		CR-Form-v7				
	CHANGE REQUEST					
<sup>#</sup> TS 34.1	<mark>123-3</mark> CR <sup>272</sup> #rev	- # Current version: <b>3.4.0</b> #				
For <u>HELP</u> on using	this form, see bottom of this page o	r look at the pop-up text over the $#$ symbols.				
Proposed change affe	<i>cts:</i> UICC apps <b>೫ ──</b> ME <mark>─</mark>	Radio Access Network Core Network				
Title: # Add	dition of GCF P3 test case 10.1.2.5.5	5 to NAS ATS V3.4.0				
Source: % Ro	hde & Schwarz					
Work item code: # N/A	A	Date: ೫ 25/03/2004				
Category: # B Use Det be i	e <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an ea B (addition of feature), C (functional modification of feature) D (editorial modification) tailed explanations of the above categorie found in 3GPP <u>TR 21.900</u> . C To add verified GCF package 3 NA ATS V3.4.0	Release: %R99Use one 2of the following releases: 22(GSM Phase 2)arlier release)R96R97(Release 1996) R97R98(Release 1997) R98R99(Release 1998) R99es canRel-4Rel-5(Release 4) Rel-5Rel-6(Release 5) Rel-6R4-6(Release 6)				
Summary of change: #       This document lists all changes applied to test case 10.1.2.5.5 required for approval.         See detailed change description for further information.         This CR is a revision of T1s040151 and includes comments raised by Sasken on 04/03/04 (see section 4.2).						
Consequences if # not approved:	Test case will not be added to ATS	3				
Clauses affected: ೫	ß N/A					
Other specs भ affected:	YNXOther core specificationsXTest specificationsXO&M Specifications	¥				
Other comments: #	ß					

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

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

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

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

### **Tdoc #T**1s040231

Title:	Approval of test case 10.1.2.5.5		
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 the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.5.5 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

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4.2	Timer handling in test body	Error! Bookmark not defined.
5	Branches executed in test case 10.1.2.5.5	4
<b>6</b> 6.1 6.2	Execution Log Files Nokia 3G UE 7600 Motorola 3G UE A835	<b>4</b> 
7	References	4

# **3 Verification Test Summary**

Test Case:	TC_10_1_2_5_5
Test Group:	CC/ OutgoingCall / U4
ATS Version:	iWD-TVB2003-03_D04wk07 + 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 10.1.2.5.5

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.5.5 run correctly with a 3G UE.

The ATS version used as basis was NAS\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 release. The test case also passes in the NAS\_wk12.mp version.

### 4.2 Test step ts\_CC\_CheckStateU0\_MO\_CurrentTI

Test step name	ts_CC_CheckStateU0_MO_CurrentTI, tc_10_1_2_5_5 : It_Body
Reason for change	Test step ts_CC_CheckStateU0_MO is used to send STATUS ENQUIRY and receive RELEASE COMPLETE message.
	This test step sends STATUS ENQUIRY for all the TI 0 to 6.
	However 34.123-1 does not expicitly mention to send STATUS ENQUIRY for all the TI in test procedure, expected sequence or test requirements.
	Thus STATUS ENQUIRY message should be send only for the current TI.
Summary of change	Added test step ts_CC_CheckStateU0_MO_CurrentTI to check that the current MO CC entity in the UE is in state U0 for the current TI value.
	Replaced test step call ts_CC_CheckStateU0_MO with ts_CC_CheckStateU0_MO_CurrentTI in line 10 of test body.
Source of change	Sasken, see e-mail on T1/SIG reflector on 04/03/04
Label	n/a

5.			Internet and the second second	Test Step			
Te	ist Ste	ip id:	ts_CC_CheckStateUB_MO_CurrentTi ( p	Celld : INTEGER )			
Test Step Group Ref. CC_Steps/							
0	ajective	e:	Check that the current MO CC entity in th	e MS is in state 00			
D	faults		NAS_OtherwiseFail				
C	mmer	nts	the current transaction Identifier (TI) valu	e is checked.			
	L		Behaviour Description	Constraint Ref.	14		Comments
Ť.		(tov_TL_S.tiv tov_TL_R.tiv	/ai = NT_TO_BIT ( tov_Counter , 3), /ar = NT_TO_BIT ( tov_Counter , 3))				
2		Dr I RRC_D	ataReq	<pre>ca_DataReg ( tsc_CellDedicated, tsc_RB3, cs_StatusE ng ( tor_Ti_S ) )</pre>			
3	TSP	Dt 7 RRO_I	DataInd	<pre>car_UpiniiDirectTransfer ( tsc_CeliDedicated, tsc_R83 , cr_RelCmplCau ( tov_TLR, 81 ) )</pre>	(P )	S	

	1.00			Test Case		
Test Case it Test Group Reference Purpose Configuration		e id Iup Reference : ration:	IE_10_1_2_6_5 CC/OutgoingCaMA4/ 1)To verify that a CC-entity of the UE in CC-state U4, *Call Delivered*, upon receipt of the RELEASE message will respond with the RELEASE COMPLETE message and enter the CC-state U0, *NuiP.			
Comments		da.	NAS_OtherwiseFail			
-	L		Behaviour Description	Constraint Ref	1.	Comments
1 2 3 4 5 6 7	185	START L_Guar +ts_IntManat +ts_CC_Crs +ts_kdeUpd +ts_CC_Ba +ts_CC_Pa (tov_Test	rd (300) /es ateCellA ated (tsc_CellA) skServMO_Tel EnterU4_3 (tst_CellA) 3ody = TRUE)			2
11		Dt I RRC	DataReg	ca_bataReq ( tic_CellDedicated, tic_RB3, cdi_RelCa uS1 (tcv_TLS ))		Step 1
9	TBP	Dc 2 RRC	_Dataind	car_Uplini/DirectTransfer ( toc_Cel/Dedicated, toc_RE9, cr_RelCmpl ( tov_T1_R ))	P)	Step 2
10		+[bi_CC	CheckStateU0_MO_CurrentTI (tsc_CellA )			Steps 3-5 @SIC VB email from sasken on 04/03 /2004 SIC@

Note: Above code example shows NAS wk12 implementation

### 5 Branches executed in test case 10.1.2.5.5

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and 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 10\_1\_2\_5\_5\_Logs-Nokia\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_5\_5-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

#### 6.2 Motorola 3G UE 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 10\_1\_2\_5\_5\_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 10\_1\_2\_5\_5-pics-pixit-Motorola.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040152 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7							
CHANGE REQUEST							
<sup>ж</sup> ТS 34	<mark>.123-3</mark> CR <sup>273</sup> <b>#rev</b>	- # Current version: <b>3.4.0</b> #					
For <b>HELP</b> on using this form, see bottom of this page or look at the pop-up text over the <b>#</b> symbols.							
Proposed change affects:       UICC apps#       ME       Radio Access Network       Core Network							
Title: % Addition of GCF P3 test case 10.1.2.6.2 to NAS ATS V3.4.0							
Source: # R	cohde & Schwarz						
Work item code: # N/A         Date: # 25/03/2004							
Category: # U	B Ise <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an ea B (addition of feature), C (functional modification of feature) D (editorial modification) D (editorial modification) D tetailed explanations of the above categorie e found in 3GPP <u>TR 21.900</u> .	Release: %       R99         Use one of the following releases:       2         2       (GSM Phase 2)         arlier release)       R96       (Release 1996)         R97       (Release 1997)         R98       (Release 1998)         R99       (Release 1999)         es can       Rel-4       (Release 4)         Rel-5       (Release 5)         Rel-6       (Release 6)					
Reason for change:	# To add verified GCF package 3 NA ATS V3.4.0	S test case 10.1.2.6.2 to the approved NAS					
Summary of change:	<ul> <li>** This document lists all changes ap approval.</li> <li>See detailed change description fo</li> <li>This CR is a revision of T1s040153</li> <li>04/03/04 (see section 4.2).</li> </ul>	plied to test case 10.1.2.6.2 required for r further information. 3 and includes comments raised by Sasken on					
Consequences if not approved:	# Test case will not be added to ATS						
Clauses affected:	ж <mark>N/A</mark>						
Other specs affected:	YNXOther core specificationsXTest specificationsXO&M Specifications	¥					
Other comments:	ж						

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

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

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.
### 3GPP TSG-T1 E-Mail 2004 01 Jan - 31 Dec 2004

### Tdoc #T1s040232

Approval of test case 10.1.2.6.2
Rohde & Schwarz
TTCN Issues
Approval
Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

### **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.6.2 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

1	Overview	1
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4.2	Test step ts_CC_CheckStateU0_MO_CurrentTI	2
5	Branches executed in test case 10.1.2.6.2	4
6	Execution Log Files	4
6.1	Nokia 3G UE 7600	4
6.2	Motorola 3G UE A835	4
7	References	4

Test Case:	TC_10_1_2_6_2
Test Group:	CC/ OutgoingCall / U10
ATS Version:	iWD-TVB2003-03_D04wk07 + 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 10.1.2.6.2

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.6.2 run correctly with a 3G UE.

The ATS version used as basis was NAS\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 release. The test case also passes in the NAS\_wk12.mp version.

### 4.2 Test step ts\_CC\_CheckStateU0\_MO\_CurrentTI

Test step name	ts_CC_CheckStateU0_MO_CurrentTI, tc_10_1_2_6_2 : It_Body
Reason for change	Test step ts_CC_CheckStateU0_MO is used to send STATUS ENQUIRY and receive RELEASE COMPLETE message.
	This test step sends STATUS ENQUIRY for all the TI 0 to 6.
	However 34.123-1 does not expicitly mention to send STATUS ENQUIRY for all the TI in test procedure, expected sequence or test requirements.
	Thus STATUS ENQUIRY message should be send only for the current TI.
Summary of change	Added test step ts_CC_CheckStateU0_MO_CurrentTI to check that the current MO CC entity in the UE is in state U0 for the current TI value.
	Replaced test step call ts_CC_CheckStateU0_MO with ts_CC_CheckStateU0_MO_CurrentTI in line 10 of test body.
Source of change	Sasken, see e-mail on T1/SIG reflector on 04/03/04
Label	n/a

	Test Step						
Te	st Step M: ts_CC_CheckStateU0_MO_CurrentTi ( p_Cellid : INTEGER )						
Te	est Ste	ep Group Ref.	Group Ref. CC_Steps/				
0	tijectiv	e:	Check that the current MO CC entity in th	te MS is in state 00			
D	efaults	16	NAS_OtherwiseFail				
Comments the			the current transaction identifier (TI) valu	e is checked.			
	L		Behaviour Description	Constraint Ref.	14	-	Comments
Ť.		(tov_TL_S.tr tov_TL_R.tr	/ai = NT_TO_BIT ( tov_Counter , 3), /ar = NT_TO_BIT ( tov_Counter , 3))				
2	Dc1RRC_DataReg ca_DataReg ( tsc_CelDedicated, tsc_RB3, cs_StatusE ng ( tor_TLS ) )						
3	TSP	D: 7 RRC_	Dataind	<pre>car_UpIniiDirectTransfer ( tsc_CeliDedicated, tsc_R83 , cr_RelCmpICau ( tov_TLR, 81 ) )</pre>	(P )	5	

Test C Test G Purpos	340 340	e id up Reference	12_10_1_2_6_2 CC/OutgoingCaWU10/	A COMPANY AND A CO		
Test Case at 12, 10 Test Group Reference: CC/0 Purpose 1) To E se 2) To trig to Configuration Default: NAS		ation 15	<ol> <li>To verify that the a CC-entity of the UE in E-message and enter the CC-state U0, "Nui 2) To verify that the UE on returning to the ting transaction identifiers are in CC-state U NAS_OtherwiseFail</li> </ol>	CC-state U10, "Active", upon receive of the RELEASE w P Idle mode releases the MM-connection and that the CC-e ID, "Null"	el r	espond with the RELEASE COMPLET ass relating to the seven mobile origina
	T		Behaviour Description	Constraint Ref		Conments
1 2 3 4 5 6 7 TB	IS	START t_Guar + ts_initivariab + ts_CC_Cres + ts_CC_Dres + ts_CC_Ba + ts_CC_Pr (tcv_TestE Dc LRRC	ra (300) Nes steCetA nted (tsc_CetA) sscServMO_Tel EnterU10_MO (tsc_CetA) Body + TRUE) DataRea	ca DataRea / to: CelDedicated to: REG cds ReiCa		2. 1. 3.
9 TB	P	Dc 2 RRC	DataInd	u31 (bcv_TL_S )) car_Upini/DirectTransfer ( tsc_Cei/Dedicated, tsc_RB3,	(P	Step 2
10		+ b_00_	CheckStateU0_M0_CurrentTI (tsc_CeIA )	tr_RefCmpl(tov_TI_R))	1	Steps 3-5 @SIC VB email from saske n on 84/03/2004 SIC@
11		+ts_RRI	C_CannReiNoNAS ( tst_CellA, cell_Dch )			1944), 493400331965. 
12		+ po_Co	onnectionAndSS_Rei ( tsc_CellA )			Step 6

Note: Above code example shows NAS wk12 implementation

## 5 Branches executed in test case 10.1.2.6.2

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and 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 10\_1\_2\_6\_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 10\_1\_2\_6\_2-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 6.2 Motorola 3G UE 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 10\_1\_2\_6\_2\_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 10\_1\_2\_6\_2-pics-pixit-Motorola.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040154 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7					
CHANGE REQUEST					
<sup>ж</sup> ТS 34.	<mark>123-3</mark> CR <sup>274</sup> # re	v - <sup>#</sup> Current version: <b>3.4.0</b> <sup>#</sup>			
For <u>HELP</u> on using	g this form, see bottom of this page	or look at the pop-up text over the $#$ symbols.			
Proposed change affe	ects: UICC apps <b>೫</b> ME	Radio Access Network Core Network			
Title: # Ac	ddition of GCF P3 test case 10.1.2.4	.10 to NAS ATS V3.4.0			
Source: % Ro	ohde & Schwarz				
Work item code: # <mark>N/</mark>	Ά	<i>Date:</i> ೫ <mark>25/03/2004</mark>			
Category: # E Us De be Reason for change: Summary of change:	<ul> <li>B</li> <li>B</li> <li>B</li> <li>C orrection)</li> <li>A (corresponds to a correction in an B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>C (addition of the above categories)</li> <li>C found in 3GPP <u>TR 21.900</u>.</li> <li>To add verified GCF package 3 N ATS V3.4.0</li> <li>This document lists all changes a</li> </ul>	Release: #       R99         Use one of the following releases:       2         (GSM Phase 2)       (GSM Phase 2)         earlier release)       R96       (Release 1996)         R97       (Release 1997)         R98       (Release 1998)         R99       (Release 1999)         ories can       Rel-4       (Release 4)         Rel-5       (Release 5)       Rel-6         NAS test case 10.1.2.4.10 to the approved NAS			
Summary of change: # This document lists all changes applied to test case 10.1.2.4.10 required for approval. See detailed change description for further information. This CR is a revision of T1s040105 and includes comments raised by Sasken on 04/03/04 (see section 4.2).					
Consequences if not approved:	* Test case will not be added to AT	S			
Clauses affected:	ж N/A				
Other specs	YNXOther core specificationsXTest specificationsXO&M Specifications	ж			
Other comments:	¥				

#### How to create CRs using this form:

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

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

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

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

### Tdoc #T1s040230

Approval of test case 10.1.2.4.10
Rohde & Schwarz
TTCN Issues
Approval
Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

### **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.4.10 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

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5	Branches executed in test case 10.1.2.4.10	4
<b>6</b> 6.1 6.2	Execution Log Files Nokia 3G UE 7600 Ericsson 3G UE U100	<b>4</b> 4 4
7	References	4

Test Case:	TC_10_1_2_4_10
Test Group:	CC/ OutgoingCall / U3
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 10.1.2.4.10

### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.4.10 run correctly with a 3G UE.

The ATS version used as basis was NAS\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 release. The test case also passes in the NAS\_wk12.mp version.

### 4.2 Timer handling in test body

Test step name	tc_10_1_2_4_10 : lt_Body
Reason for change	Timer t_UpperBound and t_LowerBound for T310 are started after performing Status check for State U3 in test step ts_CC_PrEnterU3_3.
	However as per 24.008 section 5.2.1.3: "Having entered the "call initiated" state, when the call control entity of the mobile station receives a CALL PROCEEDING message, it shall stop timer T303; start timer T310".
	It is proposed that the two timer should be started immediately on the reception of CALL PROCEEDING message in the TTCN.
Summary of change	Moved start of timer t_UpperBound from line 8 to line 7 Moved start of timer t_LowerBound from line 9 to line 8
Source of change	Sasken, see e-mail on T1/SIG reflector on 04/03/04
Label	n/a

5		Ter	st Case		
Test Case Id It_10_1_2_4_10 Test Group Reference: CC/OutgoingCal/U3/ Purpose To verify that a CC-entity of the UE in CC- Originating Call Proceeding* will, upon exp release by sending DISCONNECT and end		It_10_1_2_4_10 CC/OutgoingCal/V3/ To verify that a CC-entity of the UE in CC-state US, "Mo Originating Call Proceeding" will, upon expiry of timer T release by sending DISCONNECT and enter the CC-state	olie 310, nitiate call de UT1, "Disconnect Request"		
Configuration Defaults Comments		NAS_OtherwiseFail		_	
Nr Label		Behaviour Description	Constraint Ref	1-	Comments
1 2	START t_C	Gand (300) riables	6 GLAD MONGAGE G		CERT CONTROL
3	+ti_CC_CreateCelA				2
4	+ts_idel	Jpdated ( tsc_CellA)			
5	+ts_C0	BasicServMO_Tel			1
6	+ts_cc	_PremorU3_3 ( tsc_CellA )			3 @SIC VB email from sadken on 04/03/2004 SIC@
2	START t_UpperBound (tsc_T310_CC_Max)				GSIC VB email from sasken on D4/D3/2004 SIC() Step 1
8	START t_LowerBound ( tsc_TBtD_CC_Min )				GBIC VB email from sackers on 04/03/2004 SIC@

Note: Above example is taken from NAS ATS wk12

### 5 Branches executed in test case 10.1.2.4.10

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and 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 10\_1\_2\_4\_10\_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 10\_1\_2\_4\_10-pics-pixit-Nokia.txt** 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 10\_1\_2\_4\_10\_Logs-Ericsson\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_4\_10-pics-pixit-Ericsson.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1S040106 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST					
* TS 3	4.123-3 CR 275 <b># rev</b> - <sup># Current version: 3.4.0 <sup>#</sup></sup>				
For <u>HELP</u> on u	ing this form, see bottom of this page or look at the pop-up text over the X symbols.				
Proposed change	ffects: UICC apps# ME Radio Access Network Core Network				
Title: ដ	Addition of GCF P3 test case 10.1.2.3.3 to NAS ATS V3.4.0				
Source: #	Rohde & Schwarz				
Work item code: अ	N/A Date: # 23/03/2004				
Category: #	B       Release: % R99         Use one of the following categories:       Use one of the following releases:         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         Detailed explanations of the above categories can be found in 3GPP TR 21.900.       Rel-4       (Release 5)         Rel-6       (Release 6)       Rel-6       (Release 6)				
Summary of chang	<ul> <li># This document lists all changes applied to test case 10.1.2.3.3 required for approval.</li> <li>See detailed change description for further information.</li> <li>This CR is a revision of T1s040147 and includes comments raised by Sasken on 18/03/04 (see section 4.3).</li> <li># Test case will not be added to ATS</li> </ul>				
not approved:					
Clauses affected:	ж N/A				
Other specs affected:	Y       N         %       X         Other core specifications       %         X       Test specifications         X       O&M Specifications				
Other comments:	X				

#### How to create CRs using this form:

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

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

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

Title:	Changes to test case 10.1.2.3.3 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 10.1.2.3.3 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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4.2.2	WA#NAS4346	3
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5	Branches executed in test case 10.1.2.3.3	5
6	Execution Log Files	5
6.1	Nokia 3G UE 7600	5
7	References	5

Test Case:	TC_10_1_2_3_3
Test Group:	CC/ OutgoingCall / U1
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

## 4 Corrections required for test case 10.1.2.3.3

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.3.3 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 10.1.2.3.3:

WA#NAS4218, WA#NAS4395, WA#NAS4396, WA#NAS4397, WA#NAS4401, WA#NAS4402, WA#NAS4404 & WA#NAS4398

### 4.2 tc\_10\_1\_2\_3\_3

#### 4.2.1 WA#NAS4421

Test step	name	tc_10_1_2_3_3 : It_Body						
Reason for change		Test step "ts_CC_PrEnterU1" should be executed before the timers are started so as to allow the AT command to be sent to the UE first.						
Summary of change		Moved location of test step "ts_CC_PrEnterU1" to before the timers are started						
Source of change		New change						
Label		WA#NAS4421						
3	+ ts_CC_Create	CellA	2.					
4	+ ts_IdleUpdate	d (Isc_CeIA)						
5	+ ts_CC_Basic	ServMO_Tel	1.					
6 + ts_CC_PrEnt		lerU1 (tsc_CellA)	3.					
			WA#NAS4421					
7	START t_Uppe	arBound (33000 )						
8	START LLOW	erBound ( 27000 )						

#### 4.2.2 WA#NAS4346

Test step name	tc_10_1_2_3_3 : It_Body
Reason for change	Current state after receiving disconnect message should be checked
Summary of change	Added test step "ts_CC_CheckState" for state U11
Source of change	New change

Label WA#NAS4346

		-			
11	TBP	Dc ? RRC_DataInd CANCEL t_UpperBound	car_UplinkDirecfTransfer (tsc_CellDedicated, tsc_RB 3, cr_Disc (tcv_TI_R))	(P)	Steps 1-2 4.
12		+ ts_CC_CheckState (tsc_CellA, tsc_StateU11)			WARNAS4346
13	TBE1	(trv_TestBody >= FALSE)			
14		+ po_ConnectionAndSS_Rel (tsc_CellA)			
15	TBF1	? TIMEOUT t_UpperBound		(F)	
16	TBE2	(tcv_TestBody := FALSE)			
17		+ po_ConnectionAndBS_Rel (tsc_CellA)			
18	TBF2	Dc ? RRC_DataInd CANCEL t_UpperBound , CANCEL t	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB	(F)	Steps 1-2
		_LowerBound	3, cr_Disc (tov_TI_R))		
19		+ ts_CC_CheckState (tsc_CellA, tsc_StateU11)			WARNAS4346
20	TBE3	(tcv_TestBody := FALSE)			

### 4.3 Sasken comments related to timer T303

Test step name	ts_CC_EnterU01_StartT303 and test body
Reason for change	According to 24.008, section 5.1.2, timer T303 is started on the UE side when the CM SERVICE REQUEST is sent. Upon expiry of T303 the UE shall send a DISCONNECT message to the SS and enters state U11, "Disconnect request".
	Therefore, it is necessary to add 2 timers to the TTCN implementation; a lower bound timer is started between the 2 messages in order to start it at the same time UE is starting it on his side (The RRC connection is established by sending RRC CONNECTION SETUP COMPLETE on RB2, then UE sends immediatly CM SERVICE REQUEST on RB3).
	An upper bound timer is started after receiption of CM SERVICE REQUEST.
Summary of change	Added start of t_LowerBound with 30 s – 10% duration in line 3 of test step ts_CC_EnterU01_StartT303
	Added start of t_UpperBound with 30 s + 10% duration in line 5 of test step ts_CC_EnterU01_StartT303
	Added check for t_lowerBound timer expiry in line 8 of test body of 10.1.2.3.3
	Added check for t_lowerBound timer expiry in line 13 of test body of 10.1.2.3.3
	Added upper and lower bound timer cancellation in line 16 of test body of 10.1.2.3.3
Source of change	Sasken, 18/03/04
Label	n/a

8		Te	st Step				
Test Step Id         b_CC_EnterU01_StartT303 ( p_Celld_INTEGER )           Test Step Group Ref. CC_Steps/         CC_Steps/           Objective         To bring UE to CC state UD.1.           Defaults         NAS_OtherwiseFail           Comments         See T834 123-1 cl. 10.1.2/1 establishment of an outgoing call (late assignment)							
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments		
1 2 3		+ts_AT_IntCallCS +ts_RRC_ConnEst (p_Cellid , est_M D, trv_RRC_EstCauMO) START (_LowerBound ( 27000 )			@SIC VB T1s040168 SIC@ Step 1 @SIC VS email from Sasket 18/03/04 SIC@		
a		Dc 7 RRC_Datand ( bcv_Start = RRC_Dataind start )	car_intDirectTranifer ( tsc_Ce IDedicated, tsc_R63, cd_CM_ ServRedMO (7) )		Step 4		
5		START t_UpperBound (33000 )			@SIC V9 email from Sasken 16/03/04 SIC@		
6		+ ts_55_SecurityDownloadStart (cs _dbmain, tov_Start )					

				Te	st Case					
Test Case id		to 10 1 2 3 9								
Test Group Re	Merence:	CC/OutgoingCak/01/								
Purpose		<ol> <li>To verify that a CC entity of the UE in CC-state U1, "Cal initiated", upon expiry of TSBS sends a DISCONNECT message to its peer entity and enters state U11, "Disconnect request".</li> </ol>								
Configuration:										
Defaults		NAS_Otherwis	seFal							
Comments		1911,1999,00010								
Nr		Label		Behaviour Description	Constraint Ref	Verdict	Comments			
1	100		8	TART L Guard (300)		1.1				
2				ts_init/anables						
3				+ts_CC_CreateCelA			2.			
4				+ ts_kieUpdated (tsc_CellA )						
5				+ ts_CC_BasicServMO_Tel			1.			
6			c	+ts_CC_PrEnterU1_StartT303 (ts CellA )			3. @SIC VE T1S040168 SIC @			
7	TBS	3		( tov_TestBady = TRUE )						
B				? TIMEOUT t_LowerBound	CONTRACTOR PRODUCTS AND		2010/12/12			
9	18	1	p	Dr. 9 RRC_Dataind CANCEL (_U) erBound	car_UpinkDirectTransfer (bic_ Cel/Dedicated, tsc_RB3, cr_D (sc ( tov_T(_R))	(P)	Steps 1-2 4.			
10			b	+ ts_OC_CheckState ( tsc_CelA sc_StateU11 )			@SIC VB T1S040147 SIC@			
11	TEE	51		( trv_TestBody := FALSE )						
12				+ po_ConnectionAndSS_Rel ( t CellA )						
15	TEP	F1.		7 TIMEOUT LUpperBound		(*)				
14	100	22		( tov_TestBody = FALSE )						
15			c.	+ po_ConnectionAndSS_Rel ( to CellA )	1					
16	18	2	p	Dr 7 RRC_Dataing CANCEL 1_Up erBound , CANCEL 1_LowerBound	cat_UpinkDirectTransfer (bst_ Cel/Dedicated, tst_RB3, cr_D ist ( tov_T(_R ))	(P)	Steps 1-2			
17	TEE	63		( tov_TestBody := FALSE )	STATE TO THE CASE					
16			0	+ po_ConnectionAndSS_Rel ( ts _CellA )						

Note: Above TTCN code is taken from iWD\_wk12

## 5 Branches executed in test case 10.1.2.3.3

The test case implementation executed the CS 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 10\_1\_2\_3\_3\_Logs-Nokia\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_3\_3-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

#### [1] T1s040148

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

CHANGE REQUEST									
* TS 3	<mark>4.123-</mark>	3 CR	276	жrev	-	Ħ	Current vers	<sup>sion:</sup> 3.4.0	ж
For <u>HELP</u> on u	sing this f	orm, see	bottom of	this page o	or look a	at the	pop-up text	over the # sy	mbols.
Proposed change	affects:	UICC a	pps#	ME	Rad	lio Ac	cess Networ	rk Core No	etwork
Title: %	Addition	of NAS t	est case 8.	3.1.2 to RF	RC ATS	5 V3.4	4.0 (revision	of T1-031735)	
Source: अ	Anritsu L	imited							
Work item code: %	N/A						Date: ೫	23/03/2004	
Category: ¥	B Use <u>one</u> of F (cd A (c B (a C (fu D (e Detailed e be found i c: # To a V3.4 the f resc requ	of the follo orrection) orrespond ddition of unctional in ditorial me explanatio in 3GPP ] add verifi 4.0. The test case	wing catego feature), modification odification) ns of the abo rR 21.900. ed GCF pa purpose of to be appr sed CR for limplement e.	ories: ction in an e of feature) ove categor ckage 2 R this CR is oved at T-	earlier re les can RC test comple Plenary WD_20	lease	Release: # Use <u>one</u> of 2 ) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	R99 the following rel (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) The approved R umentation reconstruction have been no construction	RC ATS luired for ave been change
Consequences if not approved:	ж <mark>Tes</mark>	t case wi	ll not be ad	Ided to ATS	6				
Clauses affected:	<mark>೫ N/A</mark>								
Other specs affected:	¥   ¥ 2	N X Other X Test s X O&M	core speci specification Specification	ifications ns ons	ж				
Other comments:	ж								

#### How to create CRs using this form:

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

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

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

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

Title:	Changes to test case 8.3.1.2 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 10.1.2.1.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 10.1.2.1.1.	2
4.1	Introduction	2
4.2	Detailed changes	2

Test Case:	tc_8_3_1_2
ATS Version:	iWD-TVB2003-03_D04wk04
Domain Tested:	PS
Test Configuration:	Integrity Enabled
	Ciphering Disabled
	pc_CS & pc_PS = TRUE
System Simulator used:	Anritsu Protocol Test System MX785201A
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 8.3.1.2

### 4.1 Introduction

This section describes the changes required to make test case 8.3.1.2 run correctly with a 3G UE. All modifications are described below.

The ATS version used as basis was RRC\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release.

### 4.2 Detailed changes

No change has been made to RRC\_wk04.mp.

		CHA	NGE RE	QUEST			CR-Form-v7
<sup>#</sup> TS 34	<mark>4.123-3</mark>	CR 277	жre	v - *	Current vers	<sup>ion:</sup> <b>3.4.0</b>	ж
For <u>HELP</u> on us	ing this fo	rm, see bottom	of this page	or look at the	e pop-up text	over the # syn	nbols.
Proposed change a	ffects:	UICC apps೫	ME	Radio Ad	ccess Networ	k Core Ne	twork
Title: #	Addition o	f NAS test case	e 8.3.1.5 to R	RC ATS V3.4	4.0 (revision o	of T1-031807)	
Source: ೫	<mark>Anritsu Lir</mark>	nited					
Work item code: %	N/A				Date: ೫	23/03/2004	
Category: #	B Use <u>one</u> of F (cor A (col B (ad C (fur D (ed Detailed ex be found in * * To ac V3.4. the te e: * This i resolv requir	the following cat rection) rresponds to a co dition of feature) forctional modification planations of the 3GPP <u>TR 21.90</u> Id verified GCF 0. The purpose est case to be a s a revised CR ved and implent red since.	tegories: prrection in an tion of feature) above catego 0. package 2 F of this CR is pproved at T for the origin nented since	earlier release ories can RRC test case complete th -Plenary nal submissio IWD_2004_v	Release: # Use <u>one</u> of 2 P) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	R99 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) The approved RF umentation required ading issues hat have been no c	RC ATS wired for ve been hange
Consequences if not approved:	# Test	case will not be	added to A	S			
Clauses affected:	₩ <mark>N/A</mark> ¥ N			00			
other specs affected:	ж X X X	Other core specification Other Core specification Other Core specification O&M Specification O&M Specification O	Decifications ations cations	ж			
Other comments:	ж						

#### How to create CRs using this form:

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

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

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

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

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

Title:	Changes to test case 8.3.1.5 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 10.1.2.1.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

1	Overview	1
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4.1	Introduction	2
4.2	Detailed changes	2

Test Case:	tc_8_3_1_5
ATS Version:	iWD-TVB2003-03_D04wk04
Domain Tested:	PS
Test Configuration:	Integrity Enabled
	Ciphering Disabled
	pc_CS & pc_PS = TRUE
System Simulator used:	Anritsu Protocol Test System MX785201A
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 8.3.1.5

### 4.1 Introduction

This section describes the changes required to make test case 8.3.1.5 run correctly with a 3G UE. All modifications are described below.

The ATS version used as basis was RRC\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release.

### 4.2 Detailed changes

No change has been made to RRC\_wk04.mp.

		CHANGE		EST			CR-Form-v7
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Proposed change	affects: UI	CC apps#	ME 🔜 Ra	idio Access	s Networ	k Core Ne	twork
Title: ೫	Addition of N	NAS test case 8.3.1	.6 to RRC AT	S V3.4.0 (I	revision o	of T1-031809)	
Source: ೫	Anritsu Limi	ted					
Work item code: #	N/A				Date: ೫	23/03/2004	
Category: ж	В			Rele	ease: ೫	R99	
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Summary of change: # This is a revised CR for the original submission. All outstanding issues have been resolved and implemented since IWD_2004_wk04. There have been no change required since.						ve been hange	
Consequences if not approved:	ж <mark>Test ca</mark>	se will not be adde	d to ATS				
Clauses affected:	<mark>೫ N/A</mark>						
Other specs affected:	Я Ж Х Х Х	Other core specific Test specifications O&M Specifications	ations #				
Other comments:	ж						

#### How to create CRs using this form:

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

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

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

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

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

Title:	Changes to test case 8.3.1.6 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 10.1.2.1.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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4.2	Detailed changes	2

Test Case:	tc_8_3_1_6
ATS Version:	iWD-TVB2003-03_D04wk04
Domain Tested:	PS
Test Configuration:	Integrity Enabled
	Ciphering Disabled
	pc_CS & pc_PS = TRUE
System Simulator used:	Anritsu Protocol Test System MX785201A
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 8.3.1.6

### 4.1 Introduction

This section describes the changes required to make test case 8.3.1.6 run correctly with a 3G UE. All modifications are described below.

The ATS version used as basis was RRC\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release.

### 4.2 Detailed changes

No change has been made to RRC\_wk04.mp.

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Summary of c	hange: Ж	This docum See detaile	nent lists all cha d change desc	anges app ription for	lied to t further	est ca inforr	ase 14.2.12 mation.	2 req	uired for a	approval.

"noCodeChange" instead of OMIT for IE "scramblingCodeChange") as this correction is not necessary and was rejected by MCC160.

Note that this correction is also contained in the following CRs and can be ignored when approving / implementing the TTCN changes:

T1s040053, T1s040055, T1s040057, T1s040059, T1s040061, T1s040065, T1s040067, T1s040069

Consequences if	ж	Test case will not be added to ATS
not approved:		

Clauses affected:	ж	N//	A			
		Υ	Ν			
Other specs	ж		Χ	Other core specifications	ж	
affected:			Χ	Test specifications		
			Χ	O&M Specifications		

#### Other comments: #

#### How to create CRs using this form:

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

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

Title:	Changes to test case 14.2.12 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 14.2.12 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.

1	Overview	1
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4.3	ts SendRB SetUpConvUnknown 28 8k (WA#RAB4120)	3
4.4	c TrChInfoDL 2 0 To5 (WA#RAB4124)	4
4.5	ts 2DCH ModifyConvUnknown 28 8 (WA#RAB4182)	4
4.6	ts 2DCH ModifyConvUnknown 28 8 (WA#RAB4183)	5
4.7	c UL CommTrChInfoTM 0 To5 (WA#RAB4129)	5
4.8	c_UL_CommTrChInfoTM_0_To5 (WA#RAB4273)	6
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6.2	Ericsson 3G UE U100	8
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Test Case:	TC_14_2_12
Test Group:	RAB/CombinationOnDPCH/Conversational_unknown/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 14.2.12

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.12 run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.12:

WA#RAB4017, WA#RAB4018, WA#RAB4021, WA#RAB4068, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4104, WA#RAB4105, WA#RAB4106, WA#RAB4107, WA#RAB4108, WA#RAB4109, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4113, WA#RAB4114, WA#RAB4116, WA#RAB4118, WA#RAB4119, WA#RAB4121, WA#RAB4122, WA#RAB4123, WA#RAB4126, WA#RAB4127, WA#RAB4128, WA#RAB4130, WA#RAB4131, WA#RAB4132, WA#RAB4166, WA#RAB4166, WA#RAB4180, WA#RAB4181, WA#RAB4184, WA#RAB4185, WA#RAB4165, WA#RAB4166, WA#RAB4189, WA#RAB4191, WA#RAB4184, WA#RAB4193, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4206.

#### 4.2 c\_DCH\_576\_TFS\_3\_UE\_WA (WA#RAB4120)

Test step name	c_DCH_576_TFS_3_UE_WA
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Created alternative constraint based in c_DCH_576_TFS_3_UE but using "allSizes : NULL" instead of "configured : NULL" for "logicalChannelList" for this constraint.
Source of change	New Change
Label	WA#RAB4120

Conservation and the	ASN.1 Type Constraint Declaration				
Constraint Name Ontup	LDCH_578_TFR_3_UE_WAGE_RM INTEDER)				
Type Name Derivation Path	DedicaledTransChTFR				
Comments	transport format set for transport channel used in Conversational/Unknown/UL:28.8 DL:28.8kbps and Btoarning/Unknown/UL:28.8 DL:28.8kbps				
	MARRAE4130				
	Constraint/Value				
I ti thill ( ( ric_Bize numberOfficiae logicalChannel, II, semistaticTF_into channelCodingTy rateMatchingAtht cri_Bize crititi ) )	otteModeTspef : stzeType2 : ipartf 8, part2 21, stJef ( 2ero : NULL, one : NULL, smell : 2), .ist aRSizes : NULL meators ( .go tablo : NULL, aute p_RM,				

## 4.3 ts\_SendRB\_SetUpConvUnknown\_28\_8k (WA#RAB4120)

Test step name	ts_SendRB_SetUpConvUnknown_28_8k
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Used new constraint "c_DCH_576_TFS_3_UE_WA" (see point 4.2) with the correct values instead of "c_DCH_576_TFS_3_UE"
Source of change	New Change
Label	WA#RAB4120

A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O			Test Step			
Test Step kt Test Step Group Hot Objective Defaults Comments	ts_SendRB_SetUpConvUnknown_28_Bk ( p_Cellid: INTEGER, p_RAB_id: BITSTRING; p_ActTime: ActivationTime ) rup Ref_BlagsofHti_Setual To setup a RADIO BEARER, for conversational 64k with TTI 20 and to reconfigure the SS accordingly, RRC_Def1					
NI:	Latel	Eeltaviour Description	Constraint Ref	Verdat	Commente	
t	-	+ ts_BelTmpCellink (p_Celld)			1	
		AN I REC, AM, DATA, RED	cas_RB_BetupAM_WEthCet(tec_ CellDadicabat, tac_RB2, 5ac_Mui , co_RRC_RB_SetUp(_tw_Cell Institute di_integrit/Checkinto, ta v_RHC_TL_p_ActTime, cell_D CH, OMIT, c_RAS_intoListT M1_Seg_False(RESTIM ertTp14, p_RAB_bt), c_UL_ CermitTiCelIn/DTM_R_T66, c_ UL_AddReconfTransChindoListT M_1 (OCH_576_TFS_3_UE_W A (1800), c_DL_CommonTrans ChintoSamaAsUL, c_DL_AddR escentTransChindoListTM_1, c_ DL_informationPerRL (to_TmpC allinfo.prtEmmCode, tac_IE64,ts v_TmpCallinfo.dl_DPCH_2ndStr Cede), c_DL_CommonInformati onR8_BetUp (tec_St8564), cb_U L_DPCH_info (tac_St12, pt0_82, to_TmpCollinfo.dl_DPCH_2ndStr Cede), c0MIT()		Ibx_SprdFct + Icx_PuncLimit + + values ? same for uplink an d downlink ? Freginto ? www.ink.2 Freginto ?	

### 4.4 c\_TrChInfoDL\_2\_0\_To5 (WA#RAB4124)

Test step name	c_TrChInfoDL_2_0_To5
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be first.
Summary of change	Changed order between tsc_DL_DCH1 and tsc_DL_DCH5. Now tsc_DL_DCH1 is first.
Source of change	New Change
Label	WA#RAB4124



### 4.5 ts\_2DCH\_ModifyConvUnknown\_28\_8 (WA#RAB4182)

Test step name	ts_2DCH_ModifyConvUnknown_28_8
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be before tsc_DL_DCH5.
Summary of change	Used c_TrLogMappingDL_4DCCH_1DTCH instead of c_TrLogMappingDL_2 as the first one states the right order.
Source of change	New Change
Label	WA#RAB4182

All constraints and the	test and a set of a first set of	and a summary to be a fundamental or in the first of the Poly-	rest preb		station and state and state of the
Teor Step ki	ts_2DCH_ModifyCor CH_Info:UL_DPCH	n/Unknown_28_8 (p_Cellid : INTEGER; ) (_info1)	p_ActTime : ActivationTime; _ p_OL_Comm	noninformation : DL,	_Commoninformation, p_UL_DP
Test Step Group Ref.	RB_Steps/RB_Conf	iguration/			and the second
Objective	to configure physical TCH(subflow#1) to th	channel DPCH1 and connect DCH1 and 0 he DCH1 transport channel respectively. U	DCH5 to the physical channel, then map D load for conversational Junknown (UL:28.)	CCH1-4 on to the D FOL:28.8 kbps	CH5 transport channel and map D
Defauto	initXtherwiseFail			Contraction of Contract	
Comments:					
NE	Labet	Esthaviour Description	Constraint Ref	Verdict	Comments
1		+ ts. SetTmpCellinti (p. Cellid)			1.1
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3		CPHYICPHY RL Modify REQ	ca DL DPCH Modifierto (p. Cel		t.

6	CPHy9CPHY_TrCH_Costlg_CNF	ca_TrChCfgCrtfp_Calld,tsr_DL _DPCH1)	
7	CMAC I CMAC_Config_REG	ca_CMAC_Reconfightfo (toc_Col IDedicated, tsr_DL_DPCH1, c_U E_into (OMIT, OMIT), c_TrCHinta OL_2_0_Ta5(c_DCH_148_TFB _DL, c_DCH_576_TFS_3(180)), c_TrLogMappingDL_4DCCH_1D TCH_p_ActTimal	3. WW#RAB4183
8	CMAC 7 CMAC_Cering_CNF	ca_CMAC_CfpCrt(tsc_CellDedic aled, tsc_DC_DPCH1)	
n	COMPARENT EL MARK EEO	COLLE, DECH Modifieto IN Coll.	4

### 4.6 ts\_2DCH\_ModifyConvUnknown\_28\_8 (WA#RAB4183)

Test step name	ts_2DCH_ModifyConvUnknown_28_8
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be before tsc_DL_DCH5.
Summary of change	Used c_TrLogMappingUL_4DCCH_1DTCH instead of c_TrLogMappingUL_2 as the first one states the right order.
Source of change	New Change
Label	WA#RAB4183

Teit Step						
Test Step N Test Step Group Rot Objective Defaulto Comments	ts_3DCH_ModifyCon CH_Ints_UL_DPCH RB_StepurRB_Confl to configure physical TCH(subflow#1) to 9 InfDCherwiseFall	DCH_ModShCondUnknown_28_8 (p_Cellid : INTEGER: p_ActTime : ActivationTime; _p_DL_Commoninformation : DL_Commoninformation; p_UL_DP (nb:: UL_DPCH_into) Steps/RB_Configuration/ rfigure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map D (subflow#1) to the DCH1 transport channel respectively. Used for conversational/unknown (UL_28.8 DL_28.8 kbps them/ssEfal				
Nr	Laber	Esthaviour Description	Constraint Ref	Verdict	Comments	
1 2 3		+ ts_SelTmpCellints (p_Cellid) [px_RAT= tstd] CPHYCPHY_RL_Nodity_REQ	ca DL DPCH Modifierto (o Cel		1.	
13		CPHY?CPHY_TICH_Config_CNI	DPCH1)			
13		CMAC I CMAC_Config_REQ	(a_CMAC_Reconfighto (bac_Cel IDedicated, tac_UL_DPCH3, c_U E_Info (OMIT, OMIT), c_TrCHinto _UL_2_0To5 (c_DCH_148_TFS _UL_c_DCH_576_TF8_3 (1901), c_TrLogMappingUL_4DCCH_tD TCH_p_ActTime)		3WWRAD4183	
14		CMAC 3 CMAC_Config_CNF	ca_CMAC_CfgCHRbsc_CellDedix ated, tst_UL_DPCH1)			

## 4.7 c\_UL\_CommTrChInfoTM\_0\_To5 (WA#RAB4129)

Test step name	c_UL_CommTrChInfoTM_0_To5	
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.	
Summary of change	Used CTFC size set to 4 instead of 6.	
Source of change	New Change	
Label	WA#RAB4129	
S	ASN.1 Type Constraint Declaration	
---	---	
Constraint Name Group: Type Name Derivation Path Becoding Variation Comments	L_UL_CommitTiChinktTW_6_To6 UL_CommotTiansChinks WA#RAB4128 WA#RAB4273	
	ConstraintValue	
the_Subset OMIT, princh_TFCIL OMIT, madeBpacificinto its uf_TFCS cormalTi rftrBize cftr4Etri( 1 cftr4 0, powerOffsetrint 1, cftr4 1, powerOffsetrint 1, cftr4 3, powerOffsetrint 1, cftr4 4, powerOffsetrint 1, cftr4 5, powerOffsetrint 1, cftr4 5, cftr4 5, cft	di I FGL_Signalling: complete: ( tomation c_PowerOffsetIntoComputed tomation c_PowerOffsetIntoComputed tomation c_PowerOffsetIntoComputed tomation c_PowerOffsetIntoComputed	

# 4.8 c\_UL\_CommTrChInfoTM\_0\_To5 (WA#RAB4273)

Test step name	c_UL_CommTrChInfoTM_0_To5
Reason for change Default value for tfc-Subset IE is OMIT according with TS3	
Summary of change	Used tfc_Subset OMIT instead of
	tfc_Subset allowedTFC_List :{
	0,1, 2, 3,4, 5
	}
Source of change	New Change
Label	WA#RAB4273

Constant Name: Type Name: Danial of Park (Reading Vision Park) (Reading Vision Park (Reading Vision Park) (Reading Vision Park (Reading Vision Park) (Reading Vision P		ASN 1 Type Constraint Declaration				
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# 5 Branches executed in test case 14.2.12

The test case implementation executed the CS 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\_12\_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\_12-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\_12\_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\_12-pics-pixit-Ericsson.html Text file containing all PICS/PIXIT parameters used for testing.

# 7 References

[1] T1s040052 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST				
<sup>ж</sup> ТS 34.	. <mark>123-3</mark> CR <sup>280</sup> ж	rev <mark>-</mark> <sup>ж</sup> (	Current version: <b>3.4.0</b>	ж
For <u>HELP</u> on usin	ng this form, see bottom of this pa	ge or look at the	pop-up text over the X sy	mbols.
Proposed change aff	ects: UICC apps#	ME Radio Acc	cess Network Core N	etwork
Title: # Ac	ddition of NAS test case 10.1.3.3	1 to NAS ATS V3	3.4.0 (Revision of T1s040	170)
Source: # R	acal Instruments Wireless Solution	ons, an Aeroflex c	company	
Work item code: ೫ <mark>№</mark>	/A		<i>Date:</i> ೫ <mark>22/03/2004</mark>	
Category: # E Us Reason for change: Summary of change:	<ul> <li>Base one of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>C (functional modification)</li> <li>etailed explanations of the above cate found in 3GPP <u>TR 21.900</u>.</li> <li>To add verified GCF package ATS V3.4.0</li> <li>This document lists all change approval.</li> </ul>	an earlier release) ure) egories can 3 NAS test case es applied to test o	Release: %R99Use one 2(GSM Phase 2, (GSM Phase 2, R96R96(Release 1996, R97R97(Release 1997, R98R98(Release 1998, R99R99(Release 1999, Rel-4Rel-4(Release 4) Rel-5Rel-5(Release 5) Rel-6Rel-6(Release 6)	eases:
	See detailed change descripti This CR is a revision of T1s04	on for further info <mark>0170</mark>	rmation.	
Consequences if not approved:	# Test case will not be added to	ATS		
Clauses affected:	ж <mark>N/A</mark>			
Other specs affected:	YNXOther core specificationXTest specificationsXO&M Specifications	ns ¥		
Other comments:	x			

#### How to create CRs using this form:

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

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

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

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

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

### **Tdoc #T1s040222**

Title:	Approval of test case 10.1.3.3.1
Source:	Racal Instrument Wireless Solutions, an Aeroflex company
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Kundan Sehmbey kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

## **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.3.3.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

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2	Table of Contents	1
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4	Corrections required for test case 10.1.3.3.1	2
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4.2	tc_10_1_3_3_1 Change	2
4.3	tc_10_1_3_3_1 Change 2	2
4.4	ts_CC_Enter_U6_2	3

# **3 Verification Test Summary**

Test Case:	TC_10_1_3_3_1
Test Group:	CC/ IncomingCall / U9
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	RIWSG 6401 AIME\CT
UE used:	Qualcomm TM 6200 and Nokia 7600
Verification Status:	PASS

# 4 Corrections required for test case 10.1.3.3.1

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.3.3.1 run correctly with a 3G UE. All modifications have been highlighted.

The ATS version used as basis was NAS\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

#### 4.2 tc\_10\_1\_3\_3\_1 Change

This change, rejected by MCC160, has been removed.

#### 4.3 tc\_10\_1\_3\_3\_1 Change 2

Test step name	tc_10_1_3_3_1
----------------	---------------

**Reason for change** Initial Conditions: The UE is brought into the state U9 by using table 10.1.3/2.

Test Procedure: The state U9 is not a stable state in this case, and consequently it is not checked as an initial state.

Summary of change	Changed Row #6 : ts_CC_	_PrEnterU4 changed to ts_CC_	_EnterU9_2.
-------------------	-------------------------	------------------------------	-------------

Source of change New change

#### Before :

4		+ tm_ldteUpdated (fzz_CeBA)	
4		+ ts_CC_BasistervielT_Tel	E.
4		(+In_CC_PEnterU9_4THIC_CHIA)	12
Ť.	785	(hts_TauBlock = TRUE)	

#### After :

4		+ ts_idleUpdated (tss_CeBA)	
5		<ul> <li>to CC BasicSenMIT Tell</li> </ul>	1.
6		(+ts_CC_EnterU8_2(tsc_Ce8A))	3.
7	TBS	(tx_TestEody > TRUE)	

#### 4.4 ts\_CC\_Enter\_U6\_2

Test step name	ts_CC_Enter_U6_2
----------------	------------------

**Reason for change** Correct start values must be assigned for Authentication to complete successfully.

Summary of change Steps 5 and 6 swapped.

Source of change New change

#### Before :

3 4	+ Is_RRC_ConnExt (p_Celld, est_MT, tov_ExtCause ) Dx1RRC_Dataind Rvy_Stat = RRC_Dataind start)	tar_IniDirectTransfer (toc_CellDedicated.tr L_RB3, t_PagRsp (?, MobilectTR61, e) )	8tep 1 8tep 2
1	+ tr_MM_Authentication (p_Cell3) + ta_S5_Securit/Oneversatilian(ca_domain.tor_Bart)		10xxx 2+-31
7	Ha_RRC_Becarb (p_Cells) to_Autrick, to_Autrick, to:AutrickGeM, TRUE is itemain)		SND134

#### After :

4	Dr+RHC_Datarel for_Start = 1990_Datalet start)	<pre>sat_indDeterfFranker(ta)_CetDedicated, tas _MD3,c_PagRop(1, c_MobietRM0L(v))</pre>	Bitep 2
5	+to_BB_SecurityDewnloadStart(cs_domain, kx_Start)		
6	+ to MM_Authentication ( g_Cellid )		Steps 21-20
7	H_RRD_Becury TR_Cells. NV_AUTOCK. SOLAUSINC NV_AUSINCCOM, TRUE, cs_domain.)		Dapa 1-4

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		B (add	dition of	feature),		,			R97	(Rele	ease 199	97)	
		C (tun	ctional	modification	of feature	?)			R98	(Rele	ease 199	98)	
		D (edi	torial m	odification)					R99	(Rele	ease 199	<i>99)</i>	
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	V3.4.0				
Summary of change: #	This document lists all changes applied to test case 8.1.10.1 required for approval.				
	See detailed change description for further information.				
	This CR is a revision of T1s040012 and includes changes suggested by Anritsu on T1/SIG reflector on 16/02/04 (see section 4.7)				
Consequences if % not approved:	Test case will not be added to ATS				
Clauses affected: #	N/A				
	ΥΝ				
Other specs #	X Other core specifications #				
affected:	X Test specifications TS 34.123-1, clause 8.1.10.1.4, A prose CR will be raised.				
	X O&M Specifications				

Other comments: #

How to create CRs using this form:

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

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

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

Title:	Changes to test case 8.1.10.1 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.1.10.1 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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4.4	Tc 8 1 10 1 (WA#RRC4299)	3
4.5	Tc 8 1 10 1 (WA#RRC4308)	3
4.6	ts SendSIB3 MinimumBarred (WA#RRC4307)	4
4.7	ts_SendSIB11_AndSIB12_Maximum	4
5	Branches executed in test case 8.1.10.1	6
6	Execution Log Files	6
6.1	Nokia 3G UE 7600	6
7	References	6

# **3 Verification Test Summary**

Test Case:	TC_8_1_10_1
Test Group:	/RRC/RRC_SysInfoBroadcasting/
ATS Version:	iWD-TVB2003-03_D04wk04+ essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 8.1.10.1

#### 4.1 Introduction

This section describes the changes required to make test case 8.1.10.1 run correctly with a 3G UE. All modifications are marked with label "**WA#RRC<number>**" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

#### 4.2 Tc\_8\_1\_10\_1 (WA#RRC4305)

Variable name	tc_8_1_10_1
Reason for change	The mib value tag in the paging message and the Master information does not match.
Summary of change	Changed the paging Type 1 message to send the correct mib value tag.
Source of change	New Change
Label	WA#RRC4305

#### 4.3 Tc\_8\_1\_10\_1 (WA#RRC4306)

Variable name	tc_8_1_10_1
Reason for change	To allow extra time for the UE to read SIB's and then make the Call.
Summary of change	added ? TIMEOUT t_WaitMS after the paging Type 1 message.
Source of change	New Change
Label	WA#RRC4306

t_TestBody		
16	+ It_MO_CallEstabilishment (tsc_ CellA)	Step 1
17	+ ts_NAS_SignallingConnection Release (tsc_CeIA)	Step 2: clear call
18	+ ts_RRC_ConnRel (tsc_CellA, cell_Dch)	
19	+ts_SendSIB3_MinimumBarred (tsc_CellA)	Step 3, barred CellA, Se nt in SIB 3
20	+ts_CMAC_Pag1_Cfg (tsc_Cel IA)	To configure paging on MAC layer
21	TMIRLC_TR_DATA_REQ STAR cas_PagingType1 ( Tt_WaitMS(45000) tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_ NotifyIdleMode (tov_MIB.m ib_ValueTag, tsc_SFN_12 3) )	step 4 The UE is paged by usi ng an arbitrarily choose n SFN No. to get an initi al SFN value. WA#RRC4305
22	? TIMEOUT t_WaitMS	WARRC4306
23	+ It_MO_CallEstablishment (t sc_CellB)	Step 5

# 4.4 Tc\_8\_1\_10\_1 (WA#RRC4299)

Variable name	tc_8_1_10_1
Reason for change	To add a check condition at the end of the test case.
Summary of change	Added the following test step in line 11 $tc_8_1_10_1$
	+ ts_C3_CheckCellDCH ( tsc_CellB)
Source of change	New Change
Label	WA#RRC4299

# 4.5 Tc\_8\_1\_10\_1 (WA#RRC4308)

Variable name	tc_8_1_10_1
Reason for change	To avoid cell reselection due to power levels. See Prose CR.
Summary of change	Added ( tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH+65 )
Source of change	New Change
Label	WA#RRC4308

0		START LOuard	
1		[px_RAT=fdd]	FDD specific behaviour
2		+ ts_RRC_InitVariables ( cell_DCH )	
3		+ts_SS_CreateCelIDCH (tsc_CelIA)	Configure lower tester
4		+ ts_SendMinimumSysInfb(tsc_CellA)	Step 1
5		+ts_idleUpdated (tsc_CellA)	Idle Update
6		(tov_CellinfoB.attenuationLevel := tov_CellinfoB.powerp CPICH+65)	WA#RRC4308
7		+ts_SS_CreateCeIIDCH (tsc_CeIIB)	Configure lower tester
8		+ ts_SendMaximumSysInfo(tsc_CellB)	Step 2
9	TBS	(trv_TestBody=TRUE)	
10		+ It_TestBody	
11		+ ts_C3_CheckCellDCH (tsc_CellB)	WAPRRC4299
12	TBE	(tzv_TestBody:=FALSE)	
13		+po_ConnectionAndSS_Rels	Release the RRC Connections
1	ERR1	[px_RAT=tdd]	I TDD specific behaviour
1	ERR2	(TRUE)	1

#### 4.6 ts\_SendSIB3\_MinimumBarred (WA#RRC4307)

Variable name	ts_SendSIB3_MinimumBarred
Reason for change	To initailise the parameters for Cell A.
Summary of change	Added +ts_CellDependentPara(p_CellId) in ts_SendSIB3_MinimumBarred
Source of change	New Change
Label	WA#RRC4299

Test Step										
Test Step Id:		s_SendSIB3_MinimumBarred( p_CellId: INTEGER)								
Test Step Group Ref.		BasicM_Sys	SasicM_SysInfoHandling_Steps/Minimum_Maximum/							
Objective:		To send sys	Fo send system information block 3 with cell barred on, used for minimum configuration in test case 8.1.10.							
Defaults:		InitOtherwis	InitOtherwiseFail							
Comments:		@SIC_NAP	P							
		for test case	8.1.10 only							
Nr		Label	Behaviour Description	Constraint Ref	Verdict	Comments				
1			[px_RAT = fdd]							
2			+ts_CellDependentPara(p_Cellid)			WA#RRC4307				
3			(trv_SIB3.cellAccessRestriction.c ellBarred := c_CellBarred)							
4			(tov_MIB := tov_MIB_Minimum_Sal ved)							
5			*ts_SendSIB3_Minimum(tcv_SI B3, p_CellId, tsc_Now)							
6			<pre>+ts_SendMIB(tcv_MIB, p_Cellid, tstc_Now)</pre>							
7	ERR1		[px_RAT = 1dd]		1					

#### 4.7 ts\_SendSIB11\_AndSIB12\_Maximum

 Test step name
 ts\_SendSIB11\_AndSIB12\_Maximum, line 71

 Reason for change
 n/a

Summary of change In ts\_SendSIB11\_AndSIB12\_Maximum line 71 in the constraints reference "tcv\_Segs\_SIB12" needs to be changed to "tcv\_Segs". The same error also exists in lines 83 and 86, although these do not affect 8.1.10.1.

Source of change Anritsu, see e-mail on T1/SIG reflector of 16/02/04

Label No label

# 5 Branches executed in test case 8.1.10.1

The test case implementation executed the CS and PS branch with Integrity activated and Ciphering disabled. In the PS mode the test was executed with pc\_AutomaticAttachSwitchON to TRUE.

# 6 Execution Log Files

#### 6.1 Nokia 3G UE 7600

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

- Execution log files 8\_1\_10\_1\_PS-Logs\Index.html
- Execution log files 8\_1\_10\_1\_CS-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 8\_1\_10\_1\_PS-pics-pixit.html** Html file containing all PICS/PIXIT parameters used for testing in PS mode.
- **PICS/PIXIT file 8\_1\_10\_1\_CS-pics-pixit.html** Html file containing all PICS/PIXIT parameters used for testing in CS mode.

# 7 References

[1] T1S040013

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

#       TS 34.123-3       CR       282       # rev       -       # Current versi         For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text of         Proposed change affects:       UICC apps#       ME       Radio Access Network	on: <b>3.4.0</b> # over the # symbols.
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text of <b>Proposed change affects:</b> UICC apps# ME Radio Access Network	over the # symbols.
<b>Proposed change affects:</b> UICC apps# ME Radio Access Network	Core Network
Title:         # Addition of GCF P2 test case 8.4.1.18 to RRC ATS V3.4.0	
Source: # Rohde & Schwarz	
Work item code: %N/ADate: %	11/03/2004
Category:       %       B       Release: %         Use one of the following categories:       Use one of the following categories:       Use one of the following categories:         F (correction)       2       2         A (corresponds to a correction in an earlier release)       R96         B (addition of feature),       R97         C (functional modification of feature)       R98         D (editorial modification)       R99         Detailed explanations of the above categories can       Rel-4         be found in 3GPP TR 21.900.       Rel-5         Rel-6       Rel-6	R99 he following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)

	V3.4.0
Summary of change: ೫	This document lists all changes applied to test case 8.4.1.18 required for approval.
	See detailed change description for further information.
	This CR is a revision of T1-031829 and includes comments from MCC160 and Anritsu.
Consequences if #	Test case will not be added to ATS
not approved:	
Clauses affected: #	N/A
	YN

Other specs	ж	•	X	Other core specifications #	
affected:			X X	Test specifications O&M Specifications	
Other comments:	ж				

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

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

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

Changes to test case 8.4.1.18 required for approval
Rohde & Schwarz
TTCN Issues
Approval
Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.18 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_4_1_18
Test Group:	/RRC_Measurements/
ATS Version:	iWD-TVB2003-03_D03wk48 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 8.4.1.18

#### 4.1 Introduction

This section describes the changes required to make test case 8.4.1.18 run correctly with a 3G UE. All modifications are marked with label "WA#RRC<number>" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC\_wk48.mp which is part of the iWD-TVB2003-03\_D03wk48 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.4.1.18:

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

#### 4.2 tcv\_MIB\_ValueTagChanged (WA#RRC4258)

Variable name	tcv_MIB_ValueTagChanged				
Reason for change	Currently tcv_MIB_ValueTagChanged is initialised to FALSE, which will cause the MIB value tag to 2 to be incremented first time System information is broadcast. But as per 34.108 value tag of 1 is default.				
Summary of change	tcv_MIB_ValueTagChanged to be initialised to TRUE in testcase variable declarations				
Source of change	Anite CR T1-031777				
Label	WA#RRC4258				
trv_MB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIBVa lueTag changed, set to FALSE after MIB deliv ered to SS. WWWRRC4258		

#### 4.3 cr\_QoS\_InteractiveOrBackgroundMO\_CellFACH\_Iv (WA#RRC3141)

constraint name cr\_QoS\_InteractiveOrBackgroundMO\_CellFACH\_lv

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

8		Structured Type Cor	istraint Declaration				
Constraint Name Orbus Type Name Derivation Path	er_OoS_Interactiv GualityOfBervice_	veOrBackgroundMO_CellFACH_W(p_DlyClass_p_h /v	affectase (03)				
Encoding Variation Comments	The QuB for interactive RAB at 32kbps uplink as well as down link, sent to the UE WARRED 3141						
Elem	ert Name	Element Value	Type Encoding	Comments			
length -	and the party of the	160	P. C. P. School and Sc	all all citation fort			
spare		1018					
divClass		p DivClass					
retabilityClass		0118		Unacknowledged GTP, LLC and Acknowl edged RLC; Protected Data			
peakThroughput		10119		32 10 0 1			
eparel		7/8					
precedenceClass		10009		Subscribed class			
spare2		1000					
meanThroughput		111118		best effort.			
trafficClass		p_trafficClass		Interactive			
deliveryOrder		DIB		With delivery order			
deliveryError8DU		101019		Erroneour SDU are delivered			
martsDU0ize		200		320 octeta			
maxBitRateUplink		200		32 kbps			
marBitRateOnlink		200		32 kbps			
restmustBER		01118		1 x 10E (-5)			
soluEniRatio		010019		1 X 10 E(-4)			
transDly		*		Transfer delay will be neglected in case o finteractive or background. Hence the vel ue is set to spare			
InflicHandpro		9		to be neglected by the UE as the traffic cl ass is Background			
h #RateUplink		17		Atendue in uplinik			
bitRateDnlink		9		Any value in Uplink			

# 4.4 void

## 4.5 void

# 4.6 ts\_AT\_OrgPS\_Call (WA#RRC3142)

Test step name	ts_AT_OrgPS_Call
Reason for change	There is a mismatch between the requested Minimum QoS through AT commands (local tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call) and accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH).
Summary of change	Added check for the cell configured state in Local Tree It_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call. If the state matches with any of the FACH states set maxBitRateUplink and maxBitRateDnlink to 32 Kbps so that the requested Qos and accepted QoS will match. Anite CR : T1031838
Source of change	Anite OIX. 11031030
Label	WA#RRC3142

IL Prepare	IAT_CINACGEOMIN			
20	I (Sw. TrepCellinko.selConfig = sel_FACH_NeCom) DM (Sw. TrepCellinko.selConfig = sel_FACH_NO. (Sw. TrepCellinko.selConfig = cel_FACH_PB) OR (Sw. TrepCellinko.selConfig = cel_FACH_PB) OR (Sw. TrepCellinko.selConfig = cel_FACH_DBO_NOC (Sw. TrepCellinko.selConfig = cel_FACH_DBO_NoCcent) OR (Sw. TrepCellinko.selConfig = cel_FACH_2BOCH_NoCcent) OR (Sw. TrepCellinko.selConfig = cel_FACH_2BOCHCH_NOCcent) OR (Sw. TrepCellinko.selConfig = cel_FACH_2BOCHCH_NOCCEND) OR (Sw. TrepCellinko.selConfig = cel_FACH_2BOCHCH_TelCH_NOCCEND) OR (Sw. TrepCellinko.selConfig = cel_FACH_2BOCHCH_TelCH_NOCCEND) OR (Sw. TrepCellinko.selConfig = cel_FACH_2BOCHCH_TelCH_NOCCEND) OR (Sw. TrepCellinko.selConfig = cel_FACH_2BOCHCH_TelCH_NOCCEND) OR (Sw. TrepCellinko.selConfig = cel_FACH_2BOCHCH_TelSHAme#CH) OFF (Sw. TrepCellinko.selConfig = cel_FACH_2BOCHCH_TelSHAme#CH) OFF		Y44479903142	
22	br_AT_Crod = (AT+COEGN0+1,2,32,32,1,321,"167","463",1,3+CR+")		net up the Minimum GoS WARROCOLAZ	
20	T pr. Background MtD (px. RRC, PB, SenTested = ps. Background)		10 State 17	
24	Bie AT Crist = PAT+COEG8894+1.132.52, 1.320,"1E3","4E3",1,-CPO*D		WARROWC3142	
25 ERR 1	[ TRUE ]	1	Paramater error	
20	(TRUE)			
27	I pc_interactive AND ( pc_RRC_PS_SevTested + ps_interactive) (			
.28	Bis_AT_Crist = PAT+COEG8894=1,3,84,84,,1,328,**163**,7463**,1,3+CR+*1)		set up the Minimum Gold	
29	] ps_Background AND (ps_RRC_PE_SenTexted = ps_Background))			
30	Itrs_AT_Cmd = (AT+C0EQM84=1,3,84,84_,1,320,**1E3**,*4E3**,1,+CR**0			
11 ERR 1	[TRUE]	1.	Paranettoc onter	

# 4.7 tc\_8\_4\_1\_18 (WA#RRC4200)

Test case name	tc_8_4_1_18
Reason for change	In Cell_FACH state, the notification of modification in the SIBs to the UE is performed by SYSTEM INFORMATION CHANGE INDICATION
Summary of change	Used "ts_SysInfoModifySIB11_SIB12_MIB_RRC_FACH" instead of "ts_SysInfoModifySIB11_SIB12_MIB_RRC". See WA#RRC4149.
Source of change	New Change
Label	WA#RRC4200

# 4.8 tc\_8\_4\_1\_18 (WA#RRC4206)

Test case name	tc_8_4_1_18
Reason for change	Extra delay is given for the UE to read the SIBs
Summary of change	Included 5 s delay just after modifying the SIBs by using "+ts_RRC_Delay (5000)"
Source of change	New Change
Label	WA#RRC4206

T	Hs_BysinisModifySIB11_SIB13_MID_TINC_FACH (tax_CellA, 2, tax_SIB11, c_SIB12_ModifiedTraffery owners (CHRT, 5, CHRT, 1, Ks_SIB16FBWood) NALL, TRUE FALSE, (tax_Bate all_Sib16FWood) NALL, TRUE FALSE, (tax_Bate all_Sib16FWood), (tax_SiB16FWood), (		Step : Noto: UE as octifies	13 and 33 Is Cell FACH state, So S1812 is m 6 and default S1811 is sent IRC 4300
38	-S_RHC_Delay GEED	1	TURAT	IRC4206
29	+LRLMesuurmanReport(5)		Simp 3	Min prose,
40	+R_REReconftyToDCH		Bing 1	05.6.36 in prose;
41	+IL_Rx_MeasuremontReport (5)		878.0	CP in press.
42	AN IRLC_AN_DATA_RED	Lac_MeasurementControl ( ho: CotDatin allor, Tac_Res, co_MeasurementControlTraffs, volumeRelease ( ky, Cellodorf o d_IntegryChecktris, tra/RP C_T, 5) )	(Tep )	AD te prova
43 TRE	I for TestBody = FALBE1		P	

# 4.9 tc\_8\_4\_1\_18 (WA#RRC4201)

Test case name	tc_8_4_1_18
Reason for change	Wrong constraint and parameter used in the reconfiguration to DCH. The prose states to use default values
Summary of change	Used "cas_RB_Reconfigure ( tsc_CellDedicated,tsc_RB2, cbs_108_RB_ReconfigFACH_ToDCH ( tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uL_ScramblingCode ))" instead of cas_RB_Reconfigure ( tsc_CellDedicated, tsc_RB2, cs_RB_Reconfigure ( tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime,cell_DCH,tcv_CellInfoA.frequencyInfo, pl1, c_RB_InfoReconfigListFACH_ToDCH, c_RB_AffectedListFACH_ToDCH, c_UL_CommTrChInfoDCH_PS_64k, OMIT,c_UL_AddReconfTransChInfoListToDCH_PS_64k, c_PS_DL_CommTrChInfo_FACH_ToDCH, OMIT,c_PS_DL_AddReconfTransChInfoList_FACH_ToDCH, c_DL_CommonInformation_FACH_TODCH (tsc_Sfd32), c_DL_InformationPerRL(100,tsc_Sfc32, tsc_DL_DPCH1_2ndScrC), sf32, tcv_CellInfoA.uL_ScramblingCode) )
	WA#RRC4201
Lanci	

## 4.10 tc\_8\_4\_1\_18 (WA#RRC4083)

Test case name	tc_8_4_1_18
Reason for change	In the Radio bearer reconfiguration message the Scrambling code is changed to 2,therefore this must also apply to the local configuration.
Summary of change	Added the following Line in tc_8_4_1_18 Line 45 (tcv_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DPCH_ScrC_2) New Change
Label	WA#RRC4083

1,101	acontgToDCH		
44	+ ts_CalculateArtTime (tst_CellA)		
45	ANT RLC_AM_DATA_REG	Call_RB_Reconfigure ( toc_CHECkeloaded, toc_RB2, cbit_158_RB_ReconfigFACH_T =DCH ( =bv_CHERcins at_integrityCh =cslarb, =bv_RRC_Ti, OMIT, bv_Celletos.prEarreCalls, =bv_Celletos.ut_StramblingC =cel )	Allerates dedicated gryskal channels wordfFRC4231
46	#1# Cellinitia.#LDPCH_2ndBarCode > toc_DL_DPCH_BorC_2)		WARREC4383
47	HL_SS_Necast_FACH_TeDCH(bc_CeN)		To change SS 9em Cell/ACH to Cell D CH
40	+ In_RRC_ReceiveRB_ReconfigCrapi (Int_CellA, Ins_RRC_RAB_Type)		UE moves to Cell DCH

# 4.11 tc\_8\_4\_1\_18 (WA#RRC4202)

Test case name	tc_8_4_1_18	
Reason for change	Wrong constraint and parameter used in the reconfiguration to FACH.The prose states to use default values.	
Summary of change	Used cas_RB_Reconfigure (	
	tsc_CellDedicated, tsc_RB2, cbs_108_RB_ReconfigDCH_ToFACH (	
	tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tsc_New_CRNTI)) instead of	
cas_RB_Reconfigure(		
tsc_CellDedicated, tsc_RB2,		
cs_RB_ReconfigDCH_ToFACH ( tcv_CellIndInfo.dl_IntegrityCheck		
tcv_RRC_Ti, tcv_ActTime,OMIT, tcv_CellInfoA.frequencyInfo,		
cell_FACH, c_RB_InfoReconfigListDCH_OrFACH_ToFACH,		
	OMIT, c_UL_CommTrChInfoDCH_OrFACH_ToFACH_PS,	
	c_UL_DeletedTransChInfoDCH_ToFACH,	
	OMIT, c_DL_CommonTransChInfoDCH_OrFACH_ToFACH_PS, c_DL_DeletedTransChInfoDCH_ToFACH, OMIT, OMIT,	
	c_DL_InformationPerRL_FACH ( tcv_CellInfoA.priScrmCode ) ) )	
Source of change	New Change	
Label	WA#RRC4202	

# 4.12 tc\_8\_4\_1\_18 (WA#RRC4218)

Test case name	tc_8_4_1_18
Reason for change	A Delay is required to wait for the Confirm before reconfiguring to FACH
Summary of change	Added line 50 including the test step "ts_RRC_Delay ( tsc_WaitBeforeFACH_Conf )" just before the SS configuration from DCH to FACH.
Source of change	New Change
Label	WA#RRC4218

#### 4.13 tc\_8\_4\_1\_18 (WA#RRC4203)

Test case name	tc_8_4_1_18	
Reason for change	After sending the reconfiguration message to promt the UE move to FACH, the variable " tcv_CellInfoA" has to be update with the new CRNTI value.	
Summary of change	Added a new line with the assigment (tcv_CellInfoA.cRNTI := tsc_New_CRNTI)	
Source of change	New Change	
Label	WA#RRC4203	

41	+Is Catelabol(Three/Int Collb.)		
50	ANTRLC_AM_DATA_REQ	call_RB_Reconfigure ( tat_CellDedicated, tat_RDD, ctst_108_RB_ReconfigDCH_ToFACH ( tat_CellIndedicat_IntegrityCheckinto,tat_PRIC_TLics_CellIntAct reconfight.to_CellIntActSection0.dd, tat_New_CRIVID2 ()	Alastates dedicated physical channel a polaminic 4282
57	+ ts_RRC_Detay ( tos_WorlDetareFADH_Conf )		WWWRRC4218
62	<pre>tite_CellinitAcRNTI = htt_New_CRNTI2 )</pre>		WMRRC4283
63	Hs_88_ReconDCH_ToFACH(fst_Ce6A)		Yo change 85 them Call DCH to Call F ACH
54	<pre>(txv_fRRC_fRAB_Type &gt; tail_FACH_FB.)</pre>		1 221 1 222 223 223
55	+ to_RRC_ReceiveRR_Record gC trul ( to:_CallA, to:_RRC_RAR_Type )		UE moves to CalifACH
IL RUN	easurementReport (p_NoosurementAanthy : MoosurementAanth )		internation sectors to

# 4.14 tc\_8\_4\_1\_18 (WA#RRC4127)

Test case name	tc_8_4_1_18
Reason for change	t_WaitMS timer has to be cancelled when a measurement report is received from the UE
Summary of change Source of change	Added CANCEL t_WaitMS New Change
Label	WA#RRC4127

1.1	(trs_Toletance = (8*1893)110)			
	START L WaitMS (S * 1000 + Bv, Televano)			initialize the wait timer to 8 second
TEP	1 Trateour Lavades		(7)	Tenier orprosittien test case tells
112*	AM TRLC_AM_DATA_IND (bts_TraffcVeMeas_Republic = RLC_AM_DATA_IND_aM_measurgentL_DCCH_Measurge measurgement Report measurements in the Volume Measure differential biology (RD_SRE_Received.ht = (bts_Technology, Republic Just (J), the Menthy, bts_TraffcVeMease_Receive.(T), to Jacoby, bts_TraffcVeMeas_Results (J), the Menthy, bts_Traffc VolMeas_Results (J), the Menthy, fts_TraffcVeMease_Receive.(AL, m_section) ( CANCEL (_Vertifie))	car, Maaxammeri/Report (fac_ CellDeticated), bio_MSJ, cbc_AA_Meas/ReportTrafficients, mo_SPB_FE20 (a_Measurem entitientby, 1, CellT, CMIT, CMIT, 3)	(P)	geir Thomas CR T1-021582 stig rosanno4127
	+ts_CheckRBsINTraff/V0Moos (1cr, RB_SRB_ReceiveLkt x_RB_SRB_RAS_Lkt)			igoic Thomas CR T1-031582 else

# 4.15 ts\_SysInfoModifySIB11\_SIB12\_MIB\_RRC\_FACH (WA#RRC4149)

Test case name	tc_8_4_1_18
Reason for change	In Cell_FACH state, the notification of modification in the SIBs to the UE is performed by SYSTEM INFORMATION CHANGE INDICATION.
Summary of change Source of change	Created "ts_SysInfoModifySIB11_SIB12_MIB_RRC_FACH. New Change
Label	WA#RRC4149

Label

			Test	Step				
Test Dies III II. Deside Test Dies II. Des III. Deside Objective Comments Comments Success		ill Broup Ref	B_ByerneneonySB11_SB13_MB_RHC_FACH(p_Cone_INTEGER, a_MB_V ByerneneonySpecific	kwTeg (KITEOGR, p_08011-1	GyainteType11,p_GiD12	Destate Type	12,p_Timing #/TEOER )	
			To modify the the containts of SIB11 and MIE.					
		-	I seconds shall be issueed for UE receiving and decoding the modified system information blocks after calling the test step after the SS broadcasting the new contants.					
_1	Ls.		Behaviour Desurption		CENTERIEROF	1.4	Centronits	
		[pt_RAT+	tes [					
J +ts_isBHE_SB1 (a_Cellid)								
Fits_SeedSIB11_LargMeighCellinds (a_SIB11, a_Cellia, a_Timing)				_				
A **B_BendBiETZ_LongNeg#C#BiETZ_ #_CANN, #_Texe#}								
a vie pandobi Longviegricemie (kv Still, p. Cella, p. Trimeg)								
The Construction approximation (Construction)     Advancements								
A Development Character ( Call the WR rule Video Tari)								
		+ 10.8	aveBacantes set (a Calita)					
0		Ips_mat -	108			1		
11	1 [TRUE]							

#### 4.16 tc\_8\_4\_1\_18 : It\_TestBody

Test step name	tc_8_4_1_18: It_RBReconfigToDCH, line 44
Reason for change	Calculation of activation time unnecessary.
Summary of change	Removed test step ts_CalculateActTime in line 44
Source of change	Anritsu, 06/02/04
Label	n/a

## 4.17 tc\_8\_4\_1\_18 : It\_TestBody

Test step name	tc_8_4_1_18: It_RBReconfigToDCH, line 45
Reason for change	Additional delay to allow for RB reconfiguration procedure in UE.
Summary of change	Added test step ts_RRC_Delay (tsc_WaitBeforeFACH_Conf) directly after RB reconfiguration in line 44.
Source of change	Anritsu, 06/02/04
Label	n/a
# DEExcentraTeDICsi	

44	AN FRICAN_DATA_REG	cas_RB_Reconfigure ( txc_CellDeducate), txc_RB2, dta_100_RB_ReconfigRACH_To DCH( trv_Cellndinto.dl_integrityChe clanita, txv_RRC_T(_CMIT, txv_CellinfoA.grBiomCode, txv_Cellinf	Alocates dedicated physical marrieth genic Triónias CR 11-85182 9 sing
45	4ts_RRC_Delay (tac_WatBeforePAC Conf)	ң"	gok Thomas ER 1473 skigs
46	(fcv_CellintoA.dl_DPCH_2ndSurCod + tot_DL_OPCH_StrtC_2)		@sk: Thomas CR T1-03144 2 skt@r
47 :	HS_SS_Record_FACH_ToDCH ( to CeM )	C	To change BB trow Cell FAC H to Cell DCH
48	+ ts_RRC_ReceiveRB_RecordigCx (tbc_CellA)	api.	UE moves to Cell DCH @sic Thomas EP 1441 @sic

Note: above screen shot is from RRC ATS wk\_10 implementation

# 5 Branches executed in test case 8.4.1.18

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

# 6 Execution Log Files

#### 6.1 Nokia 3G UE 7600

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

- Execution log files 8\_4\_1\_18\_PS-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- PICS/PIXIT file 8\_4\_1\_18-pics-pixit.txt Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

#### [1] T1-031830

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

		CHANG	<b>BE REQ</b>	UEST			CR-Form-v7
ж <mark>Т</mark>	<mark>S 34.123-3</mark>	CR 283	ж rev	- #	Current vers	<sup>ion:</sup> <b>3.4.0</b>	ж
For <u>HELP</u>	on using this fo	rm, see bottom of	this page or	look at th	e pop-up text	over the X syr	nbols.
Proposed cha	nge affects:	UICC apps#	ME	Radio A	ccess Networ	k Core Ne	etwork
Title:	<b>#</b> Addition of	GCF P2 test case	e 8.4.1.19 to	RRC ATS	S V3.4.0		
Source:	策 <mark>Rohde &amp; S</mark>	Schwarz					
Work item cod	<b>le:</b>				Date: ೫	11/03/2004	
Category:	<ul> <li> <b>B</b> </li> <li>         Use <u>one</u> of         <i>F</i> (cor         <i>A</i> (coi         <i>B</i> (ada         <i>C</i> (fur,         <i>D</i> (eda D tetailed ex         be found in     </li> </ul>	the following catego rection) responds to a correc dition of feature), actional modification torial modification) planations of the abo 3GPP <u>TR 21.900</u> .	ries: ction in an ear of feature) ove categories	rlier release s can	Release: % Use <u>one</u> of 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	R99 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	eases:
Reason for ch	ange: # To ag	d verified GCE pa	ckage 2 RR	C test cas	e 8 4 1 19 to	the approved F	RCATS

ger en	V3.4.0
Summary of change: ೫	This document lists all changes applied to test case 8.4.1.19 required for approval.
	See detailed change description for further information.
	This CR is a revision of T1-031831 and includes comments from MCC160 and
	<u>/////////////////////////////////////</u>
Consequences if X	Test case will not be added to ATS
not approved:	
Clauses affected: #	N/A
	YN
Other specs %	X Other core specifications #
affected:	X Test specifications

#### How to create CRs using this form:

ж

Other comments:

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

X O&M Specifications

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

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

Title:	Changes to test case 8.4.1.19 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.19 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_4_1_19
Test Group:	/RRC_Measurements/
ATS Version:	iWD-TVB2003-03_D03wk48 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 8.4.1.19

#### 4.1 Introduction

This section describes the changes required to make test case 8.4.1.19 run correctly with a 3G UE. All modifications are marked with label "WA#RRC<number>" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC\_wk48.mp which is part of the iWD-TVB2003-03\_D03wk48 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.4.1.19:

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

#### 4.2 tcv\_MIB\_ValueTagChanged (WA#RRC4258)

Variable name	tcv_MIB_ValueTagChanged		
Reason for change	Currently tcv_MIB_ValueTagChanged is initialised to FALSE, which will cause the MIB value tag to 2 to be incremented first time System information is broadcast. But as per 34.108 value tag of 1 is default.		
Summary of change	tcv_MIB_ValueTagChanged to be initialised to TRUE in testcase variable declarations		
Source of change	Anite CR T1-031777		
Label	WA#RRC4258		
tzv_MIB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIBVs lueTag changed, set to FALSE after MIB deliv ered to SS. WAMPRIC 4258

#### 4.3 cr\_QoS\_InteractiveOrBackgroundMO\_CellFACH\_Iv (WA#RRC3141)

 Constraint name
 cr\_QoS\_InteractiveOrBackgroundMO\_CellFACH\_lv

 Reason for change
 Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should

be set to	32kbps
-----------	--------

Changed comment to 32kbps Summary of change

New Change Source of change

Label

WA#RRC3141

Structured Type Constraint Declaration				
Constraint Name Groue:	c_Ool_InteractiveOrBackgroundWO_CelFACH_W(p_DtyClass p_traffirClass (03) GualthOfBervice_W			
Type Nome				
Derrvation Path		****		
Encoding Variation:				
Commenta	The QoE for interactive RAB at 32kbps uplink as well as down link, sent to the UE WARRERC3141			
Elem	ent Name	Element Value	Type Encoding	Comments
length	and the paper	160		and the second sec
spare		202		
divClass		p DivClass		
relabilityClass		0118		Unacknowledged GTP, LLC and Acknowl edged RLC; Protected Data
peakThroughput		1001110		32 1001
eparel		17B		
precedenceClass		100/9		Subscribed class
spare2		1000		
meanThroughput		111111111111111111111111111111111111111		best effort.
trafficClass		p_trafficClass		Interactive
deliveryOrder		DIB		With delivery order
deliveryError8DU		1010/8		Erroneour SDU are delivered
martsDU0aa		200		320 octets
maxBitRateUplink		200		32 kbps
marBitRateOnlink		2010		32 kbps
residualBER		01118		1 x 10E (-5)
situEnRatio		010018		1 X 10 E(-4)
transDig		*		Transfer delay will be neglected in case o finteractive or background. Hence the val ue is set to spare
trefficHandpro		7		to be neglected by the UE as the traffic cl ass is Background
bitRateUplink		7		Any value in uplink
b #RateDnlink		19		Any value in Uplink

#### 4.4 void

## 4.5 void

# 4.6 ts\_AT\_OrgPS\_Call (WA#RRC3142)

Test step name	ts_AT_OrgPS_Call
Reason for change	There is a mismatch between the requested Minimum QoS through AT commands (local tree It_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call) and accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH).
Summary of change	Added check for the cell configured state in Local Tree It_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call. If the state matches with any of the FACH states set maxBitRateUplink and maxBitRateDnlink to 32 Kbps so that the requested Qos and accepted QoS will match.
Source of change	AIIILE CK. 11031030
Label	WA#RRC3142

IL Prepare	IAT_CINDCGEQMIN		
20	I (by, TrepCellinks.selfCentg = ist_FACH_NeCom) DM I(by, TrepCellinks.selfCentg = ist_FACH_00 (by, TrepCellinks.selfCentg = cell_FACH_NOCent) DM I(by, TrepCellinks.selfCentg = cell_FACH_PB) OR I(by, TrepCellinks.selfCentg = cell_FACH_BBO_NoCent) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_MOCent) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_MOCent) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_MOCEN) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_MOCEN) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_MOCCEN) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_MOCEN) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_MOCCEN) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_SOCPCH_MOCEND) OR I(by, TrepCellinks.selfCentg = cell_FACH_2_SOCPCH_A_FACH_CENCH_1_SOCPCH_4_FACH_CENG2_NeCent) OR (by, TrepCellinks.selfCentg = cell_FACH_2_SOCPCH_2_FACH_CENCH_1_SOCPCH_4_FACH_CENG2_NeCent) OR (by, TrepCellinks.selfCentg = cell_FACH_2_SOCPCH_3_FACH_CENCH_1_SOCPCH_4_FACH_CENG2_NeCent) OR (by, TrepCellinks.selfCentg = cell_FACH_3_SOCPCH_3_FACH_CENT) OR I(by, TrepCellinks.selfCentg = cell_FACH_3_SOCPCH_3_FACH_CENT) OR I(by, TrepCellinks.selfCentg = cell_FACH_3SOCPCH_3_FACH_CENT) OR I(by, TrepCellinks.selfCentg = cell_FACH_3SOCPCH_3FACH_CENT) OR I(by, TrepCellinks.selfCentg = cell_FACH_3SOCPCH_3FACH_CENT) OR I(by, TrepCellinks.selfCentg = cell_FACH_3SOCPCH_3FACH_SOCPCH_3FACH_SOCPCH_3FACH_CENT) OR I(by, TrepCellinks.selfCentg = cell_FACH_3SOCPCH_3FACH_SOCPCH_		Y648999C3142
22	[th_AT_Critic = (AT+C0EC004±1,3,32,32,1,321,**163**,*163**,1,3*(CR**))		net up the Minimum GoS
20	[ pc_Background AND ( px_RRC_PB_SenTested = ps_Background)		The second secon
24	Bit AT_Crist = PAT+COEG884+1,132,32, 1,320,**1E3**,1423*,1, <cr**0< td=""><td></td><td>WAAPPC3142</td></cr**0<>		WAAPPC3142
25 ERR	[ JURI ]	1	Parameter error
20	[TRU6]		
27	] pc_interactive AND ( pc_RRC_P8_SevTested = ps_interactive) (		
28	Bie_AT_Crief = FAT+COEGem4+1,2,64,64,_1,32E**TE3**,74E3**,1,3+CR+*11		Set up No Minimum Gold
29	[ pc_Background AND (pc_PRC_PE_SemTexted = pc_Background)]		
00	Bts_AT_Cred = (AT+COEOMB4:1,3.84.04_1.020,"1E3","4E3",5,+CR+*0		
11 598	(TRUE)	1.1	Pararentoc onter

#### 4.7 tc\_8\_4\_1\_19 (WA#RRC 4143)

Test step name	Ttc_8_4_1_19	
Reason for change	In Cell_DCH state, the notification of modification in the SIBs to the UE is not performed by paging neither SYSTEM INFORMATION CHANGE INDICATION message.	t
Summary of change	Used "ts_SysInfoModifySIB12_RRC_DCH" instead " "ts_SysInfoModifySIB12_RRC". See WA#RRC4142.	
Source of change	New Change	
Label	WA#RRC4143	
16 +t_RDRecord	gtspcH	1.3210 (



# 4.8 tc\_8\_4\_1\_19 (WA#RRC 4144)

Ttc_8_4_1_19
Wrong constraint and parameter used in the reconfiguration to DCH. The prose states to use default values.
Used "cas_RB_Reconfigure(
tsc_CellDedicated,
tsc_RB2,cbs_108_RB_ReconfigFACH_ToDCH(
tcv_CellIndInfo.dl_IntegrityCheckInfo,
tcv_RRC_Ti, OMIT,
tcv_CellInfoA.priScrmCode,
tcv_CellInfoA.uL_ScramblingCode))"
instead of
cas_RB_Reconfigure(

	tsc_CellDedicated, tsc_RB2, cs_RB_Reconfigure (
	tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,
	tcv_ActTime, cell_DCH, tcv_CellInfoA.frequencyInfo,
	pl1, c_RB_InfoReconfigListFACH_ToDCH,
	c_RB_AffectedListFACH_ToDCH,
	c_UL_CommTrChInfoDCH_PS_64k,
	OMIT,c_UL_AddReconfTransChInfoListToDCH_PS_64k,
	c_PS_DL_CommTrChInfo_FACH_ToDCH,
	OMIT,c_PS_DL_AddReconfTransChInfoList_FACH_ToDCH,
	c_DL_CommonInformation_FACH_ToDCH ( tsc_Sfd32 ),
	c_DL_InformationPerRL(100,tsc_Sfc32, tsc_DL_DPCH1_2ndScrC),
	sf32, tcv_CellInfoA.uL_ScramblingCode ) )
Source of change	New Change
Label	WA#RRC4144

## 4.9 tc\_8\_4\_1\_19 (WA#RRC 4084)

Test step name	Ttc_8_4_1_19
Reason for change	In the Radio bearer reconfiguration message the Scrambling code is changed to 2,therefore this must also apply to the local configuration.
Summary of change	Added the following Line in tc_8_4_1_19 Line 45 (tcv_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DPCH_ScrC_2)
Source of change	New Change
Label	WA#RRC4084

62	+ ts_CalculateActTime (tsc_DeliA)		
43	XM1RLC_NM_DATA_REQ	<pre>cist_RB_Reconfigure ( toc_CellCedcoled, toc_RB0, cist_RB1_RB_ReconfigRACH_TeDCH(</pre>	Allocates dodicated physical channels WWWFOFC #144
44	dcs_CellinbAdl_DPCH_2sdStrCode = tsc_DL_DPCH_8crC_2)	12	WARROAD64
45	HI_68_RHOWEFACH_TODCH (NC_CHM)		To mange BS Yeek Call FACH to Cell D CH
46	*Is_RRC_ReceiveRb_RecentgCreat(Iac_CellA, Icx_RRC_RA5_Type)		UE moves to Cat DCH

## 4.10 tc\_8\_4\_1\_19 (WA#RRC 4145)

Test step name	Ttc_8_4_1_19
Reason for change	Wrong constraint and parameter used in the reconfiguration to FACH.The prose states to use default values.
Summary of change	cas_RB_Reconfigure( tsc_CellDedicated, tsc_RB2, cbs_108_RB_ReconfigDCH_ToFACH(
	tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tsc_New_CRNTI)) instead of cas_RB_Reconfigure ( tsc_CellDedicated, tsc_RB2,

	cs_RB_ReconfigDCH_ToFACH ( tcv_CellIndInfo.dl_IntegrityCheckInfo,
	tcv_RRC_Ti,
	tcv_ActTime,OMIT,
	tcv_CellInfoA.frequencyInfo,
	cell_FACH,
	c_RB_InfoReconfigListDCH_OrFACH_ToFACH,
	OMIT,
	c_UL_CommTrChInfoDCH_OrFACH_ToFACH_PS,
	c_UL_DeletedTransChInfoDCH_ToFACH,
	OMIT,
	c_DL_CommonTransChInfoDCH_OrFACH_ToFACH_PS, c_DL_DeletedTransChInfoDCH_ToFACH,
	OMIT,
	OMIT,
	c_DL_InformationPerRL_FACH ( tcv_CellInfoA.priScrmCode ) ) )
Source of change	New Change
Label	WA#RRC4145

# 4.11 tc\_8\_4\_1\_19 (WA#RRC 4219)

Test step name	Ttc_8_4_1_19
Reason for change	A delay is required to wait for the confirm message when reconfiguring from DCH to FACH
Summary of change	Added line 50 including the test step "ts_RRC_Delay ( tsc_WaitBeforeFACH_Conf )" just before the SS configuration from DCH to FACH.
Source of change	New Change
Label	WA#RRC4219

## 4.12 tc\_8\_4\_1\_19 (WA#RRC 4146)

Test step name	Ttc_8_4_1_19
Reason for change	After sending the reconfiguration message to promt the UE move to FACH, the variable " tcv_CellInfoA" has to be update with the new CRNTI value
Summary of change	Added a new line with the assigment (tcv_CellInfoA.cRNTI := tsc_New_CRNTI2)
Source of change	New Change
Label	WA#RRC4146

IL RBR	econitgToFACH		
47	+ ts_CalculateActTime (tor_CellA)		
41)	AMTRLC_AM_DATA_RED	tas_R8_Reconfigure ( tot_CellDedicated, tsc_R82, tas_108_R8_ReconfigDCH_TaFACH ( tav_CellIndinto.dl_IntegrityCheckletz, tav_RRC_Ti tav_CellIndinto.dl_IntegrityCheckletz, tav_RRC_Ti tav_CellIndinto.dl_IntegrityCheckletz, tav_RRC_Ti de, tac_New_CRNT(2))	Allocates dedicated physical charmets WAMPIRC4145
49	+ ts_RRC_Detay (tsc_WatBeforeFACH_Conf)	XG4 XG4	WARREC4218
50	(tox_CellinitiA cRNTI := tsc_New_CRNTI2)		WWWRRC4146
51	-ts_SS_ReconDCH_ToFACH(tsc_CellA)		To change SS from Cell DCH to Cell FACH
52	(tov_RRC_RAB_Type = cel_FACH_PS)		
53	+ ts_RRC_ReceiveRB_RecordsCopil(tsc_CellA,tcv_RRC_RAB_Ty pH)		UE moves to Cell FACH

## 4.13 tc\_8\_4\_1\_19 (WA#RRC 4128)

Test step name	Ttc_8_4_1_19
Reason for change	t_WaitMS timer has to be cancelled when a measurement report is received from the UE otherwise this timer could be active when it is started afterwards again.
Summary of change Source of change	Added CANCEL t_WaitMS New Change

Label

WA#RRC4128

U	to News	uramenReport (p_Neusurementblenthy Neusummentbenthy)				
54		(tox_Tolerance = (3 * 1000)/10)				
55		STAFT1_WoRMS(8+1000+th+_Toleranio)			initialize the wait times to 8 periorido	
15	TOF	1 THEOUT LYNAME		$\sigma_{1}$	Terrier express their bost case fails	
\$7	TRP	1.4M TRLC_AM_DATA_HID (for_Traffe/KolMean_Results = RLE_AM_DATA_HID all_meansage ut_DCCH_Mean longe message message metric the start of Results balle/Values Measaged Fac- utaList, for_RE_DRE_ResultsList = (for_TrafferVolMean_Results [0]=b_blondb, for _TrafferVolMean_Results[1]=b_blondb, for_TrafferVolMean_Results [0]=b_blondb, for _TrafferVolMean_Results[1]=b_blondb, for_TrafferVolMean_Results[1]=b_blondb, for_TrafferVolM	<pre>tac_MeasurementReport(tht_CellDedicated, toc_ND2, tot_XA_MeasNepatTrafficVolume_SPRD_MI23E(p_Measure mentBaeeBy,7, OMIT, OWIT, OMIT())</pre>	P	@er: Thomas CR T1-021582 eng nodRR0x128	
68		Ho_CheckREsinTrafforcempas_cho_RE_BRE_ReceiveList_1_RE_SRE_R4E_List			Gor Thomas CR T1-031582 and	

# 4.14 ts\_SysInfoModifySIB12\_RRC\_DCH (WA#RRC 4142)

Test step name	Ttc_8_4_1_19
Reason for change	In Cell_DCH state, the notification of modification in the SIBs to the UE is not performed by paging neither SYSTEM INFORMATION CHANGE INDICATION message. Necessary to implementate WA#RRC4143.
Summary of change Source of change	New test step created "ts_SysInfoModifySIB12_RRC_DCH" New Change
Label	WA#RRC4142
Test Diag Id In Systema Organiza	BIZ_RNC_CCH (p_Calls WITSOCH (p_SID11. SystemTypa11, p_SID12. SystemTypa12, a_Timong_WITSOCH

Te	In Day ME [a_Delevine Garden Diz_MMC_CCH (b_Calls WITEOCH ;s_SB11: Deshift Type11, D_SB12: Deshift Type12; a_Throug WITEOCH					
Te	£ 254.9	0 rotap Met	Systemation and second s			
Defaulte IntCheverseFal						1000 - 200 F 87 400 / 40
C.0			5 second charter received to UE receiving and second the multipled systematics (142	ers internation bracks after calling this test o	teg viter the US Bloads	acting the new cardwrate,
1	La_	CHANNES .	Retavisar Description	Constant Ref	14	Comments
1         [px_RAT = 100]           2         +1b_mMARD_SDI1(p_Cells)           3         +2b_mMARD_SDI1(p_Cells)           3         +2b_SectSDI1(p_Cells)           4         +b_SectSDI2(p_Cells)           5         +1b_SectSDI2(p_Cells)           6         +b_SectSDI2(p_Cells)           7         +b_SectSDI2(p_Cells)           8         [bs_SCH           9         [bs_SCH           9         [bs_SCH           9         [bs_SCH		NM( b)_sst1 (p_Cwill(t) sst1 (p_Cwill(t)) dSB11_LongNeighCellint( (p_SB1, p_Cwill(t, p_Throng)) dSB12_LongNeighCellint( (tr_SB1, p_Cwill(t, p_Throng)) rdB11_LongNeighCellint( (tr_SB1, p_Cwill(t, p_Throng)) rdB13_Ch_MB2, p_Coll(t, p_Throng)) wetTechMB2_SB1 (p_Cwill(t)) red(t)				
a tushef					101	
### 4.15 tc\_8\_4\_1\_19 : lt\_TestBody

tc_8_4_1_19: It_RBReconfigToDCH, line 42
Calculation of activation time unnecessary.
Removed test step ts_CalculateActTime in line 42
Anritsu, 06/02/04
n/a

### 4.16 tc\_8\_4\_1\_19 : It\_TestBody

Test step name	tc_8_4_1_19: It_RBReconfigToDCH, line 43
Reason for change	Additional delay to allow for RB reconfiguration procedure in UE.
Summary of change	Added test step ts_RRC_Delay (tsc_WaitBeforeFACH_Conf) directly after RB reconfiguration in line 42.
Source of change	Anritsu, 06/02/04
Label	n/a

a moneconnig rubern			
42	AM I RUC_AM_DATA_REQ	cas_RB_Reconfigure ( tsc_CeliDedicated, tsc_RB2, cbs_108_RB_ReconfigFACH_T aDCH( tsv_Celindinto.tl_integrityCh eckinto, tsv_RRC_Ti, OWT, tsv_CelindaA.priSemiCode, tsv_CelindaA.ul_ScramblingC ode 1)	Allocates dedicated physical channels @six: Thomas CR T1-03183 1 sk@
43	4ta_RRC_Delay (tix_WatBeforeFACH _Conf)		@sic Thomas ER 1473 sic@
44	(tzv_CellinfoA.id_DPCH_2hdSciCode = tsc_DL_DPCH_StirC_2)		@sic Thomas CR T1-03183 1 sic@
45	(Hts_SS_Reconf_FACH_ToDCH ( tsc_ CellA )		To change SS from Cell FAC H to Cell DCH
46	+ ts_RRC_ReceiveRB_RecontgCmp I ( tsc CetA )		UE moves to Cell DCH gase Thomas ER 1441 gase

Note: above screen shot is from RRC ATS wk\_10 implementation

## 5 Branches executed in test case 8.4.1.19

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

## 6 Execution Log Files

#### 6.1 Nokia 3G UE 7600

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

• Execution log files 9\_4\_9\_PS-Logs\Index.html

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

#### • PICS/PIXIT file 9\_4\_9-pics-pixit.txt

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

# 7 References

### [1] T1-031832

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

CHANGE REQUEST		
<sup>ж</sup> ТS 34.′	<b>123-3</b> CR <sup>284</sup> <b># rev</b> - <sup>#</sup> Current version: <b>3.4.0</b> <sup>#</sup>	
For <u>HELP</u> on using	g this form, see bottom of this page or look at the pop-up text over the $st$ symbols.	
Proposed change affe	cts: UICC apps# ME Radio Access Network Core Network	
Title: % Ad	dition of NAS test case 10.1.3.5.6 to NAS ATS V3.4.0	
Source: ೫ Ro	hde & Schwarz	
Work item code: # N//	A <b>Date:</b> ೫ <mark>10/03/2004</mark>	
Category: # B Use Det be Reason for change: Summary of change:	Release: # R99         e one of the following categories:       Use one of the following releases:         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         tailed explanations of the above categories can       Rel-4       (Release 4)         found in 3GPP TR 21.900.       Rel-5       (Release 5)         K       To add verified GCF package 3 NAS test case 10.1.3.5.6 to the approved NAS ATS V3.4.0         K       This document lists all changes applied to test case 10.1.3.5.6 required for approval.         See detailed change description for further information.	
Consequences if not approved:	Test case will not be added to ATS	
Clauses affected: \$	€ N/A	
Other specs ३ affected:	Y       N         \$       X         Other core specifications       %         X       Test specifications         X       O&M Specifications	
Other comments: 3	f	

#### How to create CRs using this form:

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

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

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

Title:	Changes to test case 10.1.3.5.6 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 10.1.3.5.6 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

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6.1	Nokia 3G UE 7600	3
7	References	3

## **3** Verification Test Summary

Test Case:	TC_10_1_3_5_6
Test Group:	CC/ IncomingCall / U8
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

## 4 Corrections required for test case 10.1.3.5.6

### 4.1 Introduction

This section describes the changes required to make test case 10.1.3.5.6 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 10.1.3.5.6:

WA#NAS4218, WA#NAS4395, WA#NAS4396, WA#NAS4397, WA#NAS4401, WA#NAS4402, WA#NAS4404, WA#NAS4398 & WA#NAS4420

### 4.2 tc\_10\_1\_3\_5\_6 (WA#NAS4347)

Test step n	ame	tc_10_1_3_5_6	
Reason for change Incorrect test step used for Mobile Terminated session			
Summary o	Summary of change Changed "ts_CC_BasicServMO_Tel" to "ts_CC_BasicServMT_Tel"		ervMT_Tel"
Source of change Ne		New change	
Label		WA#NAS4347	
2		+ ts_init/ariables	
3		+ ts_CC_CreateCellA	2.
4		+ ts_ldleUpdated (tsc_CellA)	
5		+ ts_CC_BasicServMT_Tel	1. WAIINAS4347
6		+ ts_CC_PrEnterU8 (tsc_CellA)	3.
7	TBS	(tcv_TestBody = TRUE)	

## 5 Branches executed in test case 10.1.3.5.6

The test case implementation executed the CS 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 10\_1\_3\_5\_6\_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 10\_1\_3\_5\_6-pics-pixit-Nokia.txt Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040214

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

CHANGE REQUEST		
<sup>ж</sup> ТS 34.′	123-3 CR 285 # rev - # Current version: 3.4.0 #	
For <u>HELP</u> on using	g this form, see bottom of this page or look at the pop-up text over the $\Re$ symbols.	
Proposed change affe	ects: UICC apps# ME Radio Access Network Core Network	
Title: % Ad	dition of NAS test case 10.1.2.2.2 to NAS ATS V3.4.0	
Source: # Ro	hde & Schwarz	
Work item code: ೫ <mark>ℕ//</mark>	A Date: ೫ 10/03/2004	
Category: # B Usi De be Reason for change: Summary of change:	Release: %       R99         e one of the following categories:       Use one of the following releases:         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         tailed explanations of the above categories can       Rel-4       (Release 4)         found in 3GPP TR 21.900.       Rel-5       (Release 5)         Rel-6       (Release 6)       Rel-6	
Consequences if \$	See detailed change description for further information.	
not approved:		
Clauses affected:	<ul> <li>K N/A</li> <li>Y N</li> <li>X Other core specifications</li> <li>X Test specifications</li> <li>X O&amp;M Specifications</li> </ul>	
Other comments:	£	

#### How to create CRs using this form:

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

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

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

Title:	Changes to test case 10.1.2.2.2 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 10.1.2.2.2 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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5	Branches executed in test case 10.1.2.2.2.	4
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## **3 Verification Test Summary**

Test Case:	TC_10_1_2_2_2
Test Group:	CC/ OutgoingCall / U01
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

## 4 Corrections required for test case 10.1.2.2.2

### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.2.2 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 10.1.2.2.2:

WA#NAS4218, WA#NAS4395, WA#NAS4396, WA#NAS4397, WA#NAS4401, WA#NAS4402, WA#NAS4404, WA#NAS4398 & WA#NAS4420

### 4.2 tc\_10\_1\_2\_2\_2

#### 4.2.1 WA#NAS4389

Test step name	tc_10_1_2_2_2
Reason for change	According to the prose, a Service Accept message is not needed for this test case
Summary of change	Removed Service Accept message in TTCN Row 8
Source of change	New change
Label	WA#NAS4389

### 4.2.2 WA#NAS4390

Test step name	tc_10_1_2_2_2
Reason for change	According to the prose in Step 1a, MM Authentication is needed
Summary of change	Added Step 1a, MM Authentication
Source of change	New change

Label WA#NAS4390

	-		
4		+ ts_IdleUpdated (tsc_CellA)	
5		+ ts_CC_BasicServMO_Tel	1.
6		+ ts_CC_EnterU01(tsc_CellA)	3.
7	TBS	(tov_TestBody = TRUE)	
8		+ ts_MM_Authentication(tsc_CellA)	Step 1 a
			WA#NA54390
9		+ts_RRC_Security(	Step 1c
		tsc_CellA,	VXA#NA84391
		tov_AuthOK,	
		tov_Authik,	
		tov_AuthKcGSM,	
		TRUE,	
		cs_domain)	

### 4.2.3 WA#NAS4391

Test step name	tc_10_1_2_2_2
Reason for change	According to the prose in Step 1c, Integrity Protection is needed
Summary of change	Added Step 1c, Integrity protection
Source of change	New change

La	bel	WA#NAS4391		
6		+ ts_CC_EnterU01(tsc_CellA)	3.	
7	TBS	(trv_TestBody := TRUE)		
8		+ ts_MM_Authentication(tsc_CellA)	Step 1a VKAPNAS439	10
9		+ts_RRC_Security( tsc_CellA, tcv_Auth/CK, tcv_Auth/K, tcv_Auth/KcGBM, TRUE, cs_domain)	Step 1 c WA#NAS 439	H
10		+ ts_CC_RcvSetupOrEsetup(tsc_CellA)	Step 2	
11	TBP	[tcv_SetupMOr.cdpn.digits = o_IA5_DigitsToOct( px_CC_CallDia lingDigits )]	(P) 4.	

#### 4.2.4 WA#NAS4379

Test step name	tc_10_1_2_2_2
Reason for change	Incorrect TSO (o_IA5_ToOct) being used
Summary of change	replaced TSO "o_IA5_ToOct" with "o_IA5_DigitsToOct"
Source of change	New change

Label

WA#NAS4379

13	TBE 1		(tcv_TestBody = FALSE)		
14			+ po_ConnectionAndSS_Rel (tsc_CellA)		
15	TBF	iallir 1	[tcv_SetupMOr.cdpn.digits <> o_UA5_DigitsToOct(px_CC_CallD ngDigits)	(F)	4. WA#NAS4379
16	TBE 2		(tcv_TestBody := FALSE)		
17			+ po_ConnectionAndSB_Rel (tsc_CellA)		

## 5 Branches executed in test case 10.1.2.2.2

The test case implementation executed the CS 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 10\_1\_2\_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 10\_1\_2\_2\_2-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

#### [1] T1s040210

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

CR-Form-v7		
<sup>ж</sup> ТS 34.	<b>123-3</b> CR <sup>286</sup> <b># rev</b> - <b>#</b> Current version: <b>3.4.0</b>	ж
For <u>HELP</u> on using	g this form, see bottom of this page or look at the pop-up text over the $st$ sym	bols.
Proposed change affe	ects: UICC apps# ME Radio Access Network Core Net	work
Title: # Ac	ddition of RRC test case 8.4.1.26 to RRC ATS V3.4.0	
Source: # Ro	ohde & Schwarz	
Work item code: # N/	'A Date: 業 10/03/2004	
Category: # B Us De be Reason for change: S Summary of change: S	Release: %       R99         See one of the following categories:       Use one of the following release         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         etailed explanations of the above categories can       Rel-4       (Release 4)         e found in 3GPP TR 21.900.       Rel-5       (Release 5)         ** To add verified GCF package 3 RRC test case 8.4.1.26 to the approved RI V3.4.0       V3.4.0         **       This document lists all changes applied to test case 8.4.1.26 required for approval.         See detailed change description for further information.       See detailed change description for further information.	RC ATS
Consequences if a solution of approved:	# Test case will not be added to ATS	
Clauses affected:	ж N/A	
Other specs affected:	Y       N         #       X         Other core specifications       #         X       Test specifications         X       O&M Specifications	
Other comments:	ж	

#### How to create CRs using this form:

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

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

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

Title:	Changes to test case 8.4.1.26 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.26 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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4.2	Tc_8_4_1_26 (WA#RRC4316)	2
5	Branches executed in test case 8.4.1.26	3
6	Execution Log Files	3
6.1	Nokia 3G UE 7600	
6.2	Motorola 3G UE A835	3
7	References	3

## **3 Verification Test Summary**

Test Case:	TC_8_4_1_26
Test Group:	RRC/ RRC_Measurements /
ATS Version:	iWD-TVB2003-03_D04wk07 + 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 8.4.1.26

### 4.1 Introduction

This section describes the changes required to make test case 8.4.1.26 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\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.4.1.26:

WA#RRC4339.

Label

### 4.2 Tc\_8\_4\_1\_26 (WA#RRC4316)

Test step name	tc_8_4_1_26 : It_TestBody
Reason for change	To allow extra delay to receive the measurement report
Summary of change	Changed timer from 5* 1000 to 10*1000
Source of change	New change

WA#RRC4316

19		{ tov_CellinfoA.atenuationLevel = tov_CellinfoA.gowerpCPICH + 85)			Step 5 in prose; Initiatise parameters such th in power levels at time T1 can be configured.
20		+ts_SetAttenuationLevel ( tot_CellA, tcv_CellinfoA attenuationLevel )			Chariging the power level of a ell A as given in Table at time T1
21	·	(lov_Toterance := (10+1000)/10)			WARREC4318
22		START (_WalMS (10* 1000 + tov_Tolerance)			Initialize thewait timer to 5 se conte WM#RRC4316
25	TBF2	7 TIMEOUT L WARMS		(F)	Simple One for St.
24	TÜP3	UM 9RLC_UM_DATA_IND	car_MeasurementReportUN ( tot_CellDedicated, tot_RB1, cr_MeasReportInterFixeq_Event28_3e_2f( 10, e2d, tot_CellInt0A traquency(nfo, tot_CellInt0A pri8cmCode) )	d"	Step 6 in prose

## 5 Branches executed in test case 8.4.1.26

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

# 6 Execution Log Files

### 6.1 Nokia 3G UE 7600

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

- Execution log files 8\_4\_1\_26\_cs\_Logs-Nokia\Index.html
- Execution log files 8\_4\_1\_26\_ps\_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\_4\_1\_26\_cs-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for CS testing.
- **PICS/PIXIT file 8\_4\_1\_26\_ps-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for PS testing.

### 6.2 Motorola 3G UE 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 8\_4\_1\_26\_cs\_Logs-Motorola\Index.html
- Execution log files 8\_4\_1\_26\_ps\_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\_4\_1\_26\_cs-pics-pixit-Motorola.txt** Text file containing all PICS/PIXIT parameters used for CS testing.
- **PICS/PIXIT file 8\_4\_1\_26\_ps-pics-pixit-Motorola.txt** Text file containing all PICS/PIXIT parameters used for PS testing.

# 7 References

#### [1] T1s040208

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

## Tdoc #T1s040205

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Title:	ж	Additi	on of (	GCF P	1 test case 8	8.4.1.3 to I	RRC	ATS	V3.4.0				
Source:	ж	Rohde	e & Sc	hwarz									
Work item co	<b>de:</b> Ж	N/A							Date	: X	08/03/20	04	
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Summary of c	chang	<b>је:</b> Ж <mark>Т</mark>	his do	cume	nt lists all ch	anges app	olied to	o tes	t case 8.4	1.1.3 r	equired f	or ap	proval.

See detailed change description for further information.

This CR is a revision of T1s040007 and includes the comments raised by Anritsu on T1/SIG reflector on 12/02/04

Consequences if **#** Test case will not be added to ATS not approved:

Clauses affected:	ቻ N/A
	YN
Other specs	#   X     Other core specifications   #
affected:	X Test specifications
	X O&M Specifications
Other comments:	<b>#</b>

#### How to create CRs using this form:

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

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

Title:	Changes to test case 8.4.1.3 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.4.1.3 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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# **3** Verification Test Summary

Test Case:	TC_8_4_1_3
Test Group:	RRC_Measurements
ATS Version:	iWD-TVB2003-03_D03wk51+ essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

## 4 Corrections required for test case 8.4.1.3

### 4.1 Introduction

This section describes the changes required to make test case 8.4.1.3 run correctly with a 3G UE. All modifications are marked with label "WA#RRC<number>" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC\_wk51.mp which is part of the iWD-TVB2003-03\_D03wk51 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 8.4.1.3:

WA#RRC3135

### 4.2 c\_SIB11\_Modify (WA#RRC3137)

Constraint name	c_SIB11_Modify
Reason for change	according to 34123-1, 8.4.1.3.4 the SIB11 message should be used as found in 6.1.0b o TS 34.108 with the following exceptions
Summary of change	Change cpich_Ec_N0_reportingIndicator in activeSetReportingQuantities fom FALSE to TRUE
Source of change	New Change
Label	WA#RRC3137

```
intraFreqMeasQuantity (
 filterCoefficient OMIT
 modeSpecificInfo fold : {
  intraFreqWeasGuantity_FDD cpich_RSCP)
intraFreqReportingQuantityForRACH {
 stn_SFN_OTD_Type noReport,
 modeSpecificInfo fdd : {
  intreFreqRepQuantityRACH_FDD cpich_RSCP}
ъ
maxReportedCellsOnRACH currentCell,
reportingintoForCelIDCH {
 intraFreqReportingQuantity
 4
  activeSetReportingQuantities
  £
   dummy noReport,
   cellidentity_reportingindicator FALSE,
   cellSynchronisationintoReportingIndicator FALSE,
   modeSpecificInfo fdd :
    4
    cpich_Ec_N0_reportingIndicator TRUE,
    cpich_RSCP_reportingIndicator FALSE,
    pathloss_reportingindicator FALSE
    b
  h
  monitoredSetReportingQuantities
   dummy noReport,
   celldentity_reportingindicator FALSE,
   cellSynchronisationintoReportingIndicator TRUE,
   modeSpecificInfo fdd :
   £
    cpich_Ec_N0_reportingIndicator FALSE ,
    cpich_RSCP_reportingIndicator TRUE,
    pathloss_reportingIndicator FALSE
    5
  detectedSetReportingQuartities OMIT
```

### 4.3 tc\_8\_4\_1\_3 : line 1 (WA#RRC3144)

Test step nametc\_8\_4\_1\_3 , line 1Reason for changeTime out before testcase could be finishedSummary of changeset t\_Guard to 600 secondsSource of changeNew ChangeLabelWA#RRC3144

	 Behaviour Description	Constraint Ref	Verdict	Comments
1	START (_Guard(600)			WAARRC3144
2	[px_RAT = fdd]			FOD specific behaviour
3	+It_hitVariables			
4	+ts_SS_CreateCelFACH(tsc_CelA)			
5	+ts_SendDet_syshifo_MultiCetWithoutSIB12 (tsc_CetA)			

### 4.4 cds\_PhyChReconf64k\_PS\_FACH\_ToDCH\_Meas (WA#RRC3146)

Constraint name	cds_PhyChReconf64k_PS_FACH_ToDCH_Meas
Reason for change	PhyChanReconfiguration not consistent with local configuration
Summary of change	change constraint cds_PhyChanReconf64k_PS_FACH_ToDCH_Meas in TC8413, line 22 from
	REPLACE cb_UL_DPCH_Info ( sf256, pl1,p_UL_ScramblingCode),
	REPLACE c_DL_CommonInformation_FACH_ToDCH

(tsc\_DL\_DPCH1\_SFP\_SRB),

REPLACE ... c\_DL\_InformationPerRL(p\_PrimScramblingCode, tsc\_Sfc256, tsc\_DL\_DPCH1\_2ndScrC )

to

REPLACE ... cb\_UL\_DPCH\_Info ( tsc\_UL\_DPDCH\_SF\_64k\_PS, pl0\_96, p\_UL\_ScramblingCode),

REPLACE ... c\_DL\_CommonInformation\_FACH\_ToDCH (tsc\_DL\_DPCH1\_SFP\_64k\_PS),

 $\label{eq:constraint} \begin{array}{l} \mbox{REPLACE} \ ... \ c\_DL\_InformationPerRL( \ p\_PrimScramblingCode, \\ tsc\_DL\_DPCH1\_ChC\_64k\_PS, \ tsc\_DL\_DPCH1\_2ndScrC \ ) \end{array}$ 

Source of change New Change

Label

WA#RRC3146

3	ASN 1 PDU Constraint Declaration		
Constrainthiame.	cds_PhyChRecomblek_PS_FACH_T0OCH_Meas r a_integrit/wite_integrit/cheatinnt; a_RRC_Tr: RRC_Transaction/ent/fler; a_ACtime: Activation/fine; a_freat/dx = frequencyme; a_freat/dx = frequencyme; a_UL_SimitatingCode: UL_SimitatingCode; a_UL_simitatingCode: UL_SimitatingCode;		
Group:			
PDU Name DL_DCCH_Message			
Derivation Path	cts_108_PmyChRecon844_PS_ToDCH.		
Encoding Rule Name	A REPORT AND A REPORT		
Encoding Variation			
Comments	GSIC JAPP		
N	Constraint Video		
REPLACE message p PS.p.D56, p_UL_Scr REPLACE message p FP_S44_P81 REPLACE message p CH1_ChC_S44_P8, to	hysicalChannelReconfiguration r2.physicalChannelReconfiguration_r2.pt_ChannelRequirement.ut_DPCH_into IDricts_UL_DPCH_bits (Isc_UL_DPDCH_SF_64k_ ambitegCode), hysicalChannelReconfiguration r2.physicalChannelReconfiguration_r2.pt_Commoninformation Rrf c_DL_Commoninformation_FACH_ToDCH (brr_DL_DPCHI_Si hysicalChannelReconfiguration r3.physicalChannelReconfiguration_r3.pt_phormationPerRL_List BY r_DL_InformationPerRL( p_PhinScramibingCode, tsr_DL_DP cr_DL_DPCHI_2mi86x0 ()		

### 4.5 tc\_8\_4\_1\_3 : lt\_TestBody (WA#RRC3155)

Test step nametc\_8\_4\_1\_3 : lt\_TestBody , line 4Reason for changeIn tc8413, after step 4, the UE should send CellUpdate after expiry of T305.<br/>Together with the range in WA#RRC3156 a tolerance should be considered<br/>and the timer should be set to the lower bound of T305Summary of changeChange timer value from 300 to 270<br/>New change

Label WA#RRC3155

16		START (WaiMS (270 * 1000)			VA/RRC3155
17	TBF1	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicat ed, tsc_RB2, cr_MeasReportIntraFreqPeriodic AddMeasResults (*, *, *, *))	Ð	Step 6 in prose;
18	TBP1	?TIMEOUT t_WaitMS		(P)	Step 6 in prose;
10		1 000 0 1 0 00 110 1 0 0 0			04 D.

### 4.6 tc\_8\_4\_1\_3 : It\_TestBody (WA#RRC3156)

Test step name tc\_8\_4\_1\_3 : lt\_TestBody , line 7

**Reason for change** After expiry of T305 (300 seconds) a CellUpdate is expected. Together with timer in WA#RRC3155 a 5% tolerance should be considered

# Summary of changeChange timer values to 45000 for upperbound and 15000 for lowerboundSource of changeNew change

La	bel	WA#RRC3156				
18	TBP 1	2TIMEOUT 1_VIMIMS	w(-,-,-))	(P)	Step 6 in prose;	
19		+ts_RRC_ReceiveCellUpdatePeriodic ( tsc_CellA, cdr_CellUpdateMeasResutOriRACHNoMonCells ( tcv_CellintoA.uRNT) , periodicalCellUpdate ) ,45000,15000 )			Step 7 in prose; WA#RRC3158	
20		UM IRLC_UM_DATA_REQ	cas_RRC_CellUpdateOnf ( tsc_CellDedicated, tsc_RB1, cbs_108_CellIpdateColDCC		Step 8 in prose;	

## 4.7 cs\_QoS\_InteractiveOrBackgroundMT\_CellFACH\_Iv (WA#RRC3161)

Constraint name	cs_QoS_InteractiveOrBackgroundMT_CellFACH_Iv
Reason for change	Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should be set to 32kbps
Summary of change	Changed comments for elements maxBitRateUplink, maxBitRateDnlink to 32kbps
Source of change	New Change
Label	WA#RRC3161

Constraint Name:         cs_QdS_interactiveOrBackgroundWT_CelFACH_iv ( p_DtyClass, p_trafficClass : E3)           Group:	Structured Type Constraint Declaration							
Group:         GualityOfService_Jr           Derivation Path:	atraint Name: cs_QoS_InteractiveOrBackgroundM7	cs_GoS_interactiveOrBackgroundMT_CellFACH_Iv( p_DtyClass, p_trafficClass : B3)						
Type Name:       QualityOfService_jv         Derivation Path:	AT:							
Derivation Path Encoding Variation Comments:         The CoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE. This is set same as the one received by the mar WA4RRC3161           Element Name         Bement Value         Type Encoding         Comments           Itergth         VBO         Comments         Comments           Itergth         VBO         Iteractive RAB at 32kbps uplink as well as down link, sent to the UE. This is set same as the one received by the mar WA4RRC3161         Type Encoding         Comments           Itergth         VBO         Type Encoding         Comments         Comments           Itergth         VBO         Iteractive RAB at 32kbps uplink as well as down link, sent to the UE.         Comments           Itergth         VBO         Type Encoding         Comments         Comments           spare         VDBO         Iteractive RAB at 32kbps uplink as well as down link, sent to the UE.         Comments           spare         VDBO         Iteractive RAB at 32kbps uplink as well as down link, sent to the UE.         Comments           spare         VDBO         Iteractive RAB at 32kbps uplink as well as down link, sent to the UE.         Comments         Iteractive RAB at 32kbps uplink as well as down link (sent to the UE.           spare1         VDBO         Iteractive RAB at 32kbps uplink as well as down link (sent to the UE.         Spare 10 to the 10 to the UE.	Name: GualtyOtService_lv	QualityOfService_jv						
Encoding Variation:         Comments:         The CoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE. This is set same as the one received by the mar WA#RR03161           Element Name         Bement Value         Type Encoding         Comments           Itergth         VB/O         Comments         Comments           Itergth         VB/O         Comments         Comments           spore         V078         Comments         Comments           dlyClass         p_DP/Class         Unconvertiged GTP, LLC, and Acknowledged RLC: Proceded Outs         Proceded Outs           spore1         VB         Comments         States         States           spore2         V078         Comments         States         States           spore2         V0011B         Comments         States         States	vation Path:							
Comments:         The CoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE. This is set same as the one received by the mw WA#RRC3161           Element Name         Benent Value         Type Encoding         Comments           length         VB/O             spore         VD/B             dlyClass         p_DlyClass             relabilityClass         011/B             spore1         VDB             pank/Throughput         0011/B             spore2         VDB             value         VD11/B             spore1         VDB             spore2         VDB	ding Variation:							
Bennent Name         Bennent Value         Type Encosing         Comments           langth         VBYO <th>ments: The QoS for interactive RAB at 32kbp</th> <th colspan="4">The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE.</th>	ments: The QoS for interactive RAB at 32kbp	The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE.						
Bennent Name         Bennent Value         Type Encoding         Comments           length         0800 <th>This is set same as the one received</th> <th colspan="7">This is set same as the one received by the mw</th>	This is set same as the one received	This is set same as the one received by the mw						
Bement Name         Bement Value         Type Encoding         Comments           length         080             spare         008             dyClass         p_D/pClass             relokilp/Class         p_D/pClass         Unacknowledged GTP, LLC, and Acknowledged RLC: Proceded Data           peak/Twoughput         0011/B         S2 kbps           spare1         078            precedenceClass         011/B         Class 3           spare2         009	WA#RRC3161							
impth         VBO           spare         VDB           dyClass         p_DlyClass           pgDlyClass         p_DlyClass           relokilpyClass         Unacknowledged GTP, LLC, and Acknowledged RLC: Proceded Data           psakThroughput         V011'B           spare1         VDB           precedenceClass         V11'B           spare2         V00'B           values         bate state	Element Name Bernent 1	alue Type Encoding	Comments					
spare         00B           dyClass         p_DYClass           relabilityClass         D11B           peakThroughput         0011B           spare1         078           precedenceClass         011B           spare2         0009           www.precedenceClass         0009	th 10610							
dyClass         p_DyClass         p_DyClass           relabilityCloss         0118         Unacknowledged GTP, LLC, and Acknowledged RLC: Proceded Data           peak/Throughput         00118         32 kbps           spare1         078	e 1078							
relabilityClass 011'B Unacknowledged GTP, LLC, and Acknowledged RLC: Proacted Data peakThroughput 0011'B 32 ktps spere1 078 Class 3 spere2 000'B Class 3	lass p_DlyClass							
peak/throughput         0011B         32 kbps           spore1         VB	AltyClass 01118		Unacknowledged GTP, LLC, and Acknowledged RLC: Projected Data					
spare1         VB           precedenceCase         V11%           spare2         V00%	Throughput 001118		32 kbps					
precedenceCasts 011% Casts 3 spare2 000%	e1 '0'B							
spare2 10019	edenceCass 011/B		Ciaco 3					
many Theory of the Annual State Sta	e2 1000'8							
neen mogepta 111110 best entit	nThroughput 1111115		best effort					
trafficClass p_trafficClass	icClass p_trafficClass							
deliveryOrder 018	eryOrder 0118							
deliveryErrorSDU 0108	eryErrorSDU 010'B							
mecSDUSze 200	SDUSize 200							
mex.BiRateUplinik '20'0 32 ktpp	BitRateUplink 2010		32 kips					
mex/BiRateOnlink 2010 32 kbps	BitRateDnlink 2010		32 ktops					
residuaBER 0111B 1 x 10E (-5)	JuniBER 0111'B		1 × 10E (-5)					
stkEnRatio 0100B 1 X 10 E(-4)	9vrRatio 1010018		1 X 10 E(-4)					
transDiy 1111111B Transfer delay will be neglected in case of interactive or backgrou e the value is set to spare	40ly 1111111B		Transfer delay will be neglected in case of interactive or background. Hence eithe value is set to spare					
trafficHandpro 1118 This is set to 3, but has to be neglected by the UE as the traffic cla ractive.	icHendipro 1118		This is set to 3, but has to be neglected by the UE as the traffic class is inte- ractive.					
billhadeUplink 100 The gaurented bit rate is set equal to requested bit rate.	deUplink 10°O		The gaurented bit rate is set equal to requested bit rate.					
biRateDnink 100 This will be neglected by UE as the class is interactive	steDnink 100		This will be neglected by UE as the class is interactive					

### 4.8 tc\_8\_4\_1\_3 : It\_InitVariables (WA#RRC3165)

Test step name	tc_8_4_1_3 : It_InitVariables , line 4		
Reason for change	According to $34123-1$ , $8.4.1.3.4$ for the initial conditions the power level for Cell 2 should be set to $-67$ dBm.		
Summary of change Change offset value from 70 to 67.			
Source of change	rce of change New Change		
Label	Label WA#RRC3165		
33 (tov_CellintoB):= c_CellintoDtff ( toc_CellB, (( px_PriSermCode + 50 ) MOD 512) , toc_URA_MCellB, tsc_CRNT, px_TCellB, tsc_SFN_OffsetB, tov_FreqinfoMid, ((px_U L_SeramblingCode +1000) MOD 16777216) ))			
34 (tov_CellinfoB.attenuati	(tcv_CellinfoB attenuationLevel > tcv_CellinfoB powerpCPICH + 67) WARRC3165		
35 (tcv_CellintoA.attenua	(tcv_CellintoA.attenuationLevel := tcv_CellintoA.powerpCPICH + 60)		

## 4.9 tc\_8\_4\_1\_3 : lt\_TestBody (WA#RRC3168)

Test step name	tc_8_4_1_3 : It_TestBody, line 18-21			
Reason for change	Add second Measurement Report to check that the UE send the Measurement Report periodically at 16 seconds			
Summary of change	<b>ummary of change</b> insert second Measurement Report and check that this arrives after 16 seconds before releasing the RRC connection			
Source of change	rce of change New Change			
Label	WA#RRC3168			
24 +ts_RRC_ReceivePhyChRecontCmpl @sc_CellA Step 10 in pros			Step 10 in prose;	

24		+ts_RRC_ReceivePhyChRecontCmpl @sc_CellA ,txv_RRC_RAB_Type)			Step 10 in prose;
25		(tov_Tolerance = (16*1000)/10)			
28		START LWaitMS (16 * 1000 + tov_Tolerance)			
27	TBF2	? TIMEOUT L_WaitMS		(F)	
28	TBP2	AM ?RLC_AM_DATA_IND	car_MeasurementReport(tsc_CellDedicated, tsc_R82, cr_MeasReportIntraFreqEventCr(5, OMIT, tov_CellInf oA.prtScmrCode, tov_CellInfoB.prtScmrCode, e1a))		Step 11 in prose; first Measurement Report
29		CANCEL L_WaIMS			
30		START t_WaitMS (16 * 1000 + tcv_Tolerance)			
31	TBF3	? TIMEOUT L_WaitMS		(F)	
32	TBP3	AM ?RLC_AM_DATA_IND	car_MeasurementReport(tsc_CellDedicated, tsc_R82, cr_MeasReportIntraFreqEventCr(5, OMIT, tov_CellInf aA.prtScrmCode, tov_CellInfoB.prtScrmCode, e1a))		Step 11 in prose; second Measurement Report WM#RRC3168
33		CANCEL L WWWS			
34	TBE	(trv_TestBody > FALSE)		(P)	
t, ir	itVariabl	kes .			

### 4.10 tc\_8\_4\_1\_3 : It\_TestBody

Test step name	After tc_8_4_1_3 : line 14 (after step 1 in prose)
Reason for change	Depending on the SS/ UE timing the modifed SIBs may not be received intime by the UE.
Summary of change	Added a 5 sec delay to allow the UE the re-acquire the modified SIBs.
Source of change	Anritsu, 12/03/04
Label	n/a

### 4.11 tc\_8\_4\_1\_3 : It\_TestBody

**Test step name** Before tc\_8\_4\_1\_3 : line 21 and 22 (before step 9 in prose)

Reason for change	Activation time cannot be used during cell_FACH to cell_DCH reconfiguration.
Summary of change	The computation of Activation Time is not needed (test step ts_CalculateActTime in line 21) and the Activation time IE should also be OMITTED in the physicalChannelReconfiguration PDU in line 22.
Source of change	Anritsu, 12/03/04
Label	n/a

## 4.12 tc\_8\_4\_1\_3 : It\_TestBody

Test step name	After tc_8_4_1_3 : line 22 (after step 9 in prose)
Reason for change	Depending on SS/UE timing Cell_FACH to Cell_DCH reconfiguration may fail because physical channel reconfiguration procedure is not completed.
Summary of change	A 500ms delay should be added after the transmission of the the physicalChannelReconfiguration PDU (line 22) to allow time for it to be received by the UE prior to the cell_FACH to cell_DCH reconfiguration of the SS.
Source of change Label	Anritsu, 12/03/04 n/a

## 5 Branches executed in test case 8.4.1.3

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

# 6 Execution Log Files

### 6.1 Nokia 3G UE 7600

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

- Execution log files 8\_4\_1\_3\_Logs\Nokia\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 8\_4\_1\_3-pics-pixit\_Nokia.html** HTML file containing all PICS/PIXIT parameters used for testing.

## 7 References

#### [1] T1S040008

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

### 3GPP TSG-T1 E-Mail 2004

### *Tdoc* **#***T1-040084*

01 Jan - 31 Dec 2004

CHANGE REQUEST									
<sup>#</sup> TS:	<mark>34.12</mark>	2 <mark>3-3</mark> (	CR <mark>-288</mark>	ж	rev	- #	Current vers	<sup>sion:</sup> 3.4.0	Ħ
For <u>HELP</u> on	using t	his forn	n, see botto	om of this pa	age or lo	ook at th	ne pop-up text	t over the X sy	mbols.
Proposed change	affect	s: UI	CC apps೫		ME	Radio A	Access Netwo	rk Core N	letwork
Title: #	& Addit	ion of F	RRC test ca	ase 8.3.7.3 t	o RRC	ATS V3	8.4.0		
Source: #	€ <mark>T1</mark>								
Work item code: ଖ	€ <mark>N/A</mark>						Date: #	08/03/04	
Category: # Reason for chang Summary of chan	<b>B</b> Use <u>c</u> I Detail be fou	ne of th (corre (corre (corre (addit (dito))))))))))))))))))))))))))))))))))))	e following o ction) sponds to a ion of featur ional modific rial modifica anations of t GPP <u>TR 21.9</u> verified GC	categories: correction in e), cation of feat tion) he above cat <u>300</u> . CF package	an earl ure) tegories 2 RRC es applie	can test cas	Release: #         Use one of         2         se)       R96         R97         R98         R99         Rel-4         Rel-5         Rel-6	3 R99 f the following re (GSM Phase 2 (Release 1996 (Release 1997 (Release 1998 (Release 1999 (Release 4) (Release 5) (Release 6) he approved R 3 required for a	RC ATS
Consequences if not approved:	ж	The Te	st case will	not be adde	ed to th	e ATS			
Clauses affected:	ж	N/A							
Other specs affected:	ж	YN X X X	Other core Test specifi O&M Speci	specificatio ications ifications	ns	ж			
Other comments:	Ħ								

#### How to create CRs using this form:

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

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

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

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

Title:	Changes to test case 8.3.7.3 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Holger Jauch holger.jauch@rsd.rohde-schwarz.com Tel. +49 89 4129 11534

## 1 Overview

This document is a revised CR on RRC test case 8.3.7.3. It lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.7.3 which is part of the RRC test suite.

Note: The original CR T1-031944.zip [2] was based on RRC\_wk51.mp. The changes requested in that CR, as far as accepted by MCC160, have all been implemented in ATS versions RRC\_wk04.mp or RRC\_wk07.mp. The current CR contains only new changes.

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_7_3
Test Group:	RRC/InterSystemHandover/
ATS Version:	RRC_wk10
System Simulator used:	Rohde & Schwarz 3G system simulators CRTU-W and CRTU-G
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

## 4 Corrections required for test case 8.3.7.3

### 4.1 Introduction

This revised CR presents Intersystem Handover test case tc\_8\_3\_7\_3 for approval.

The last ATS provided by MCC160 which contains GCF package 1 and 2 Intersystem Handover test cases is RRC\_wk10.mp [3]. The ATS enclosed in T1-040085.zip [1], specifying the modified test case tc\_8\_3\_7\_3 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 related TTCN objects **are contained** in RRC\_wk10.mp [3], the change description refers to this ATS;
- b) All other change labels (if present) refer to proposals for new TTCN Objects.

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

### 4.2 **Presentation of the modifications**

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

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

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

### Table 1: Example Change Table

TTCN object	tc_8_3_7_3
Reference ATS	RRC_wk10.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 th TTCN ATS. Typically only one TTCN object occurs. More than one object i listed only, when:	
	a) b)	All objects belong to the same TTCN Object Class; and All objects are either created, or are modified in the same systematic way; and
	c)	No other change is proposed for the listed objects.
Reference ATS:	ETSI currei	ATS containing the referred TTCN object(s), relative to which the nt change description applies.
Change Label:	Textual identifier starting with the fixed string 'WA#2G3RRC', followed by a 4-digit number (e.g. WA#2G3RRC0110). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.	
Reason for change:	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 f currei anoth	field may be used by ETSI colleagues giving a dedicated reply to the nt CR document. Otherwise it is filled by the R&S 2G3 group when er kind of response is received from ETSI.
R&S conclusion:	Filled accep	by the R&S 2G3 group when the ETSI answer does not indicate otance of the change request.

# 4.3 Modifications relevant for tc\_8\_3\_7\_3

### 4.3.1 tcv\_G\_PwrLvl\_HO

TTCN object	tcv_G_PwrLvl_HO		
Reference ATS	RRC_wk10.mp [3]		
Change Label	WA#2G3RRC0195		
Reason for change	The power level in the HandoverCommand message is not aligned with power level used when creating the GSM cell.         Note:       The HandoverCommand message is configured in ts_G_HandoverCommandInitialise26_6_5_1_2. The GSM cell is configured via ts_SS_CreatePhyChOfTrafficChType -> ca_BasicPhyChCombType1 which makes use of px_PowerLevel.		
Summary of change	The initial value of tcv_G_PwrLvl_HO has been changed to px_PowerLevel.		
Other affected objects			
ETSI comment			
R&S conclusion			
tor_0_Pwrt.vl_H0	B5 ps_PowerLavel The power level in Handover VMA003RRC0165		

### 4.3.2 c\_G\_FreqList-constraints

TTCN object		c_G_FreqList_450_3			
		c_G_FreqListShort_1800_26_6_5_1_2			
		c_G_FreqListShort_1900_26_6_5_1_2			
Reference ATS RRC_wk10.mp [3]					
Change Label WA#2G3RRC0197					
Reason for change         These constraints still wear R&S change labels WA#2G3RRC0140, WA#2G3           WA#2G3RRC0136 in the ATS provided by ETSI.			140, WA#2G3RRC0141 or		
Summary of change Remove the R&S change labels from the			from the comments.		
Other affected objects					
ETSI comment					
R&S concl	R&S conclusion				
(example)		·			
		Shutured type con	traint Déclaration		
Constructioners	### 1_0_//##JH_46_3				
Type name frequent					
Donvalian Plats Enventing Vanabor: Commente					
	Une Parcy 120 to enclose the following 12 Requester (259, 381, 303, 385, 277, 279, 281, 303, 385, 201, 288, 201) Head DOMINGO 187				
25 E	thinord mana	Developing	Type threading	Constants	
21		9008016118			
heplengiat		TO AT INCOME THE ADDRESS OF OT			

## 4.3.3 c\_ExtNeighBCCH\_FreqLIst2terGSM900A

TTCN object	TCN object c_ExtNeighBCCH_FreqLIst2terGSM900A			
Reference A	TS	RRC_wk10.mp [3]		
Change Label		WA#2G3RRC0204		
Reason for change		The constraint encoding does not properly reflect the 'range 512' format as defined in clause 10.5.2.22a of 3GPP TS 44.018.		
Summary o	of change	Field b128 has been changed from '0'B to '1'B, field b121_124 has been changed from '1101'B to '1001'B.		
Other affected objects				
ETSI comment				
R&S conclusion				
21	and a construction of the co	Structured Type Constraint Declaration		
ConstaintName.	taint Name: c_ExtNeighBCCH_FreqList2terG6M900A			
Oroug: Type Name Derivation Path	NeighCellDescr2			
Encoding Variation Comments	range 512, ARFCN	× 520, 590, 800, 700, 790, 810, 970		
Electant	Element Value Comments			

Element.	Element Value	Comments
h129	19	Bit 128, format-ID WW#2G3RRC0204
märpt	10'8	Multipand reporting
hand	1010	both allocation sequence number industron
b121_124	10019	Bit 124 - 121, format ID next WA#203RR.0204
rfl	54411316BB44C80000000000000000000	remaining reference frequency list
## 4.3.4 c\_DCH\_576\_TFS

TTCN object		c_DCH_576_TFS			
Reference A1	rs	RRC_wk10.mp [3]			
Change Labe	el	WA#2G3RRC0216			
Reason for change		The constraint is used in conjunction with c_DCH_576_TFS_UE. The rate matching attribute in c_DCH_576_TFS_UE is 145, while in c_DCH_576_TFS it has a value of 125. In RRC_wk07 the rate matching attribute value in c_DCH_576_TFS was set to 145. In RRC_wk10 it has been reset to 125.			
Summary o	of change	Change the rate matching attribute value in c_DCH_576_TFS from 125 to 145.			
Other affec	ted objects				
ETSI comme	nt				
R&S conclus	ion				
57 months	100000000000000000000000000000000000000	ASN 1 Type Constraint Declaration			
ConstraintName	LOCH_STE_TES				
Type Nama:	CommonOrDedicat	edTFS			
Derivation Path Encoding Variation:					
Comments	transport formatiset	for transport channel used in CreateCell_DCH_57_6kCS_RAB_SRB			
1		Constraint Value			
to RI20 (DE_B2265) numberOFDISI2a logicalChannelL II, semi stato:TF_infer channelCodingTy rateN atchin gMtb crc_Size cm16 j	76, iList   zero : NULL, ei iList   Zero : NULL mation { pe turbo : NULL, ute 145, ~NN#2038	nt : NULL, small : 2, small : 3, small : 4), IRC8216			
Detailed Comment	TTI = 20 ms; five transport formal tze = 576 bits; CRCaze = 16; RateMatching = 145	ts: TransportBlocks = 0, TB size = 576 bits; TansportBlock = 1, Size = 576 bits; TransportBlocks = 2, TB size = 576 bits; TansportBlock = 3, S rsportBlocks = 4, TB size = 576 bits;			

## 5 Branches executed in test case 8.3.7.3

Both subtests (UTRAN 28.8 kbps/GSM 14.4 kbps and UTRAN 57.6 kbps/GSM 14.4 kbps) of the test case implementation were executed for the GSM 1800 and the GSM 900 band in CS Mode and Combined Attach (CSPS) Mode with Integrity activated and Ciphering disabled. All 8 executions came to a PASS.

Note: The branch "UE is Class A in GERAN" (selected by "pc\_8\_3\_7\_3\_CSPS = TRUE") requires DTM functionality and was not verified because mobiles with this functionality are not available yet.

## 6 Execution Log Files

## 6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case in CS as well as in Combined Attach (CSPS) mode on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G. The documentation below is enclosed as evidence of the successful test case run T1-040085.zip [1]:

#### a) TTCN ATS containing modified tc\_8\_3\_7\_3.

#### b1) Execution log files TC\_8\_3\_7\_3\_CS\_1800\Index.html

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

#### b2) Execution log files TC\_8\_3\_7\_3\_CSPS\_1800\Index.html

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

#### b3) Execution log files TC\_8\_3\_7\_3\_CS\_900\Index.html

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

#### b4) Execution log files TC\_8\_3\_7\_3\_CSPS\_900\Index.html

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

- c1) PICS/PIXIT file TC\_8\_3\_7\_3\_CS\_1800\_Pics\_Pixit.txt Text file containing all PICS/PIXIT parameters used for CS testing.
- c2) PICS/PIXIT file TC\_8\_3\_7\_3\_CSPS\_1800\_Pics\_Pixit.txt Text file containing all PICS/PIXIT parameters used for Combined Attach (CSPS) testing.
- c3) PICS/PIXIT file TC\_8\_3\_7\_3\_CS\_900\_Pics\_Pixit.txt Text file containing all PICS/PIXIT parameters used for CS testing.
- c4) PICS/PIXIT file TC\_8\_3\_7\_3\_CSPS\_900\_Pics\_Pixit.txt Text file containing all PICS/PIXIT parameters used for Combined Attach (CSPS) testing.

# 7 References

[1]	T1-040085.zip Archive comprising HTML Execution log files, PICS/PIXIT files and the TTCN MP file for the current CR.
[2]	T1-031944.zip Original CR for tc_8_3_7_3 provided by Rohde & Schwarz, based on RRC_wk51.mp.
[3]	RRC_wk10.mp ETSI RRC ATS version of week 10 (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.

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0195	tcv_G_PwrLvI_HO	RRC_wk10.mp [3]
WA#2G3RRC0197	c_G_FreqList_450_3	RRC_wk10.mp [3]
WA#2G3RRC0197	c_G_FreqListShort_1800_26_6_5_1_2	RRC_wk10.mp [3]
WA#2G3RRC0197	c_G_FreqListShort_1900_26_6_5_1_2	RRC_wk10.mp [3]
WA#2G3RRC0204	c_ExtNeighBCCH_FreqLlst2terGSM900A	RRC_wk10.mp [3]
WA#2G3RRC0216	c_DCH_576_TFS	RRC_wk10.mp [3]

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

											CR-Form-v7
			C	HANG	E REQ	UE	ST				
* FA	5 <u>34.1</u>	RRC 23-3	CR	03xxxx 289	жrev	<b>1</b>	Ħ	Current ve	ersion:	3.4.0	ж
For <u>HELP</u> Proposed char	on using nge affec	this for	m, see JICC a	bottom of th	is page or ME	look a	<i>at th</i> dio A	e pop-up te ccess Netv	ext over	r the ೫ syr Core Ne	nbols. etwork
Title:	೫ <u>Int</u> of	roducin T1-031	<mark>g</mark> pack 739)	age 2 <u>test ca</u>	ase_8.3.1.1	0 <del>req</del>	uirea	<del>l for approv</del>	<del>/al<u>to</u>R</del>	RCv340 (ro	evision
Source:	<mark>ដ An</mark>	ritsu Lte	b								
Work item cod	e: #							Date:	ж <mark>8/(</mark>	03/2004	
Category:	₩ B Use Deta be fo	<i>one</i> of t <i>F</i> (corr <i>A</i> (corr <i>B</i> (ada <i>C</i> (fund <i>D</i> (edit ailed exp ound in 3	the follo rection) respond lition of ctional r orial mo lanation 3GPP <u>1</u>	wing categorials to a correct feature), modification of polification) ns of the above $\overline{R 21.900}$ .	es: ion in an ear f feature) re categorie:	rlier re s can	elease	Release: Use <u>one</u> 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	¥ R9 of the f (GS) (Rel (Rel (Rel (Rel (Rel (Rel	99 ollowing rele M Phase 2) ease 1996) ease 1997) ease 1998) ease 1999) ease 4) ease 5) ease 6)	eases:
Reason for cha	ange: ೫	To in	troduce	e test case 8	.3.1.10 to	to RR	Cv3	40			
Summary of ch	hange: ¥	Apply 03_D0 Add to from the	the cha )4wk04 :_8_3_ ne moc ore det	anges descri 1_10 and all lified RRC_v ails see belo	bed in sec referenced vk04. ow.	tion 2 d test	2 belo caso	ow to RRC <u>.</u> es not alrea	_wk04 ady pre	in iWD-TV esent to RR	B2003- Cv340
Consequences not approved:	sif ¥	Test c	ase 8.3	3.1.10 will n	ot be adde	d					
Clauses affecto Other specs	ed: ೫	N/A YN X	Other	core specifi	cations	ж					
affected:		X	Test s	pecifications	6						

Other comments:

ж

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

X O&M Specifications

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

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



# TSG-T Working Group 1 SWG SIG E-mail Approval

T1S-040204<del>2(8.1.1.</del> <del>8)</del>

Beijing, China	10 – 14 May 2004
Title	Introducing package 2 test case 8.3.1.10 required for approvalto
	RRCv340
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) <u>dan.fox@eu.anritsu.com</u> Tel: +44 1582 433357

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### 1 Overview

This document details the changes needed to fix problems in the TTCN implementation of introduce test case 8.3.1.10 to to RRCv340. With these changes applied the test case can be demonstrated to run on at least one independent UE implementation. Only essential fixes to the TTCN are applied. This test case has been tested according to the configuration stated below:-

Reference document	TS 34.123-1 version 5.6.0
	TS34.108 version 3.14.0
Referenced CRs	None
Integrity	Enabled
Ciphering	Disabled
Path tested	PS

### 2.32 Tables added to iWD-TVB2003-03\_D04wk04

#### 2.42.1 New tables added

None.

### 3 Tables modified iWD-TVB2003-03\_D04wk04

#### 3.1 tc\_8\_3\_1\_10

<u>Reason for change</u> The existing test step has been modified as follows:

• Line 20 – At step 2a a timeout is needed before continuing to receive the Cell Update at step 3.

Test Case Name	tc_8_3_1_10					
Group	RRC/RRC_CellUpdate/					
Purpose	. To confirm that the UE moves to idle mode after the expiry of T307, ndicating that it is out of service area when attempting to perform a eriodic cell updating procedure.					
Configuration						
Default	RRC_Def1					
Comments	@SIC_NAPP					
Selection Ref	RRC_FDD_PS					
Description	Cell Update: expiry of T307 after T305 expiry and being out of service					

Nr	Label	Behaviour Description	Constraints Ref	Verdic t	Commen
1		START t_Guard( 1200 )			@sic Ji CR# T1- sic@
2		[px_RAT=fdd]			FDD spe behavio
3		+ts_RRC_InitVariablesPS ( cell_FACH )			
4		+lt_InitNewSIB1			Put in the New
5		+pr_GotoState6_11_MO_NewSIB1(ts c_CellA,tcv_SIB1)			Goto 6- Stateon Step 1
6	TBS	(tcv_TestBody:=TRUE)			

7		+lt_TestBody			
8	TBE	(tcv_TestBody:=FALSE)			
9		+po_ConnectionAndSS_Rel(tsc_Cel lA)			
10	ERR1	[px_RAT=tdd]		I	TDD spe behavio
11	ERR2	[TRUE]		I	
	1	lt_TestBody			
12		+lt_SetQrxlevmin_AndSend			To set rxlev i and SIB
13	TBP1	<pre>+ts_RRC_ReceiveCellUpdatePeriod ic ( tsc_CellA, cdr_CellUpdateAny ( tcv_CellInfoA.uRNTI, periodicalCellUpdate ), 330000 , 270000 )</pre>			Step 1c in Sys now set Mins
14		UM ! RLC_UM_DATA_REQ	<pre>cas_RRC_CellUpdateCnf( tsc_CellDedicated, tsc_RB1, cds_CellUpdateCnfNewURNTI_DCCH_ URAId ( tcv_CellIndInfo.dl_IntegrityChe ckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_FACH, OMIT, OMIT ) )</pre>		Step 1d New-CRN
15		+ts_RRC_Delay( 247500)			Step 1e SS wait T305 + 0.5*(T3 T317) + [ 30000 0.5*( 3 180000 10 % = This is ensure T305 an subsequ T307 bo expire T317
16		(tcv_TmpAtt := tcv_CellInfoA.attenuationLevel)			Remembe current attenua setting
17		+ts_SetAttenuationLevel (tsc_CellA, 20)		-	Step 2a configu downlin transmi power s acc to Table 8

					( -60 -80)
18	1	START t WaitMS (		"	Step 2b Wait fo further + T307 (allow toleran
		115500)			= 0.5( T317) = 11550 @sic Ji CR# T1- sic@
19	TBF1	TM ? RLC_TR_DATA_IND	<pre>car_RRC_CellUpdate( tsc_CellA, tsc_RB0, cbr_108_CellUpdate ( *, *))</pre>	(F)	UE shou Initiat Update
20	TBP2	?TIMEOUT t_WaitMS		(P)	@sic Ji ER# 146
21		START t_UpperBound (tsc_T307_Max)			Step 3. to the of T307
22	TBF2	TM ? RLC_TR_DATA_IND CANCEL t_UpperBound	<pre>car_RRC_CellUpdate( tsc_CellA, tsc_RB0, cbr_108_CellUpdate ( *, *))</pre>	(F)	UE shou Initiat Update
23	TBP3	?TIMEOUT t_UpperBound		(P)	
24		+ts_SetAttenuationLevel (tsc_CellA, tcv_TmpAtt)			Step 3 configu downlin transmi power s acc to Table 8.3.1.1
25		+ ts_RRC_Delay ( tsc_WaitBeforePaging + 5000 )			Step 3 5 Secs allow U to Idle
26		(tcv_CN_Domain := ps_domain, tcv_CellInfoA .cellConfig := cell_FACH_NoConn)			
27		+ ts_CRLC_RelReconfSRB (tsc_CellA)			
28	TBP4	+ts_C1_CheckIdleMode(tsc_CellA)			Steps 4
		lt_SetQrxlevmin_AndSend			
29		<pre>(tcv_SIB3.cellSelectReselectInf o.modeSpecificInfo.fdd.q_RxlevM in := -35, tcv_SIB4.cellSelectReselectInfo .modeSpecificInfo_fdd_g_RxlevMi</pre>			Set SIB SIB4 q_rxlev -70 ( I Valuse
		n := -35)			Varuse

			Set Val T307,T3
30	+ ts_SysInfoModifySIB3_And4_RRC tsc_CellA, tcv_SIB3, tcv_SIB4, tsc_Now)	(	Steps 1 1b
31	+ts_RRC_Delay(10000)		A delay require the UE acquire modifie & 4
	lt_InitNewSIB1		
32	( tcv_SIB1 := cb_SIB1_Def( tcv_CellInfoA ) )		Initili tcv_SIB the SIB default
33	<pre>(tcv_SIB1.ue_ConnTimersAndCons ants.t_305:=m5, tcv_SIB1.ue_ConnTimersAndConst nts.t_307:=s30, tcv_SIB1.ue_ConnTimersAndConst nts.t_317:=s180)</pre>	t a a	Overwit Initili default with th specifi value.

					C	CHANGE	REQ	UE	ST				CR-Form-v7
	ж	ATS	34.12	RC 23-3	CR	03xxxx 290	жrev	1 1	ж	Current vers	ion:	3.4.0	ж
	For <u>H</u> Propose	IELP on ed change	using t	his foi t <b>s:</b> l	rm, see JICC a	bottom of this	s page or ME	<i>look a</i> Rac	at the	e pop-up text ccess Networ	over :	the ¥ syn Core Ne	nbols. twork
	Title:	č	₩ <u>Intr</u> T1-	<mark>oducir</mark> 03173	ng pack 7)	age 2 <u>test ca</u>	<mark>se_</mark> 8.3.1.9	requ	ired ·	<del>for approval<u>tc</u></del>	<u>RRC</u>	2v340 (rev	vision of
	Source:	ç	<mark>₩ An</mark> r	<mark>itsu Lt</mark>	d								
	Work ite	m code:	Ħ							Date: ೫	08/0	03/2004	
	Category	y: 8	₩ <mark>B</mark> Use Deta be fo	one of F (con A (cor B (add C (fun D (edi iled ex und in	the follo rection) respond dition of ctional n torial mo blanatio 3GPP <u>1</u>	wing categories ds to a correction feature), modification of the odification) ns of the above $\overline{R 21.900}$ .	s: n in an ea feature) categorie:	rlier re s can	lease	Release: ₩ Use <u>one</u> of 2 9) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	R99 (GSM (Relea (Relea (Relea (Relea (Relea (Relea (Relea	lowing rele   Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5) ase 6)	ases:
ĺ	Reason	for chang	<b>де:</b> Ж	To ir	troduc	e test case 8.	3.1.9 to to	RRC	V340	0			
	Summar	ry of char	າ <b>ge:</b>	Apply 03_D Add to from t	the ch 04wk04 c_8_3_ he moo ore de	anges describ 1. 1_9 and all re dified RRC_w tails see below	ed in sec ferenced <04. v.	tion 2 test c	belc	ow to RRC_w s not already	k04 ir prese	n iWD-TVI	32003- cv340
	Consequ not appr	uences if roved:	Ħ	Test	case 8	.3.1.9 will no	t be adde	d					
	Clauses	affected	: Ж	N/A									
	Other sp affected	Decs :	ж	Y N X X X	Other Test s O&M	core specifications specifications Specifications	ations	ж					
	Other co	omments:	: ж										

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

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

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



# TSG-T Working Group 1 SWG SIG E-mail Approval

T1S-040203<mark>2(8.1.1.</mark> <del>8)</del>

Beijing, China	10 – 14 May 2004
Title	Introducing package 2 test case 8.3.1.9 required for approvalto RRCv340
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) <u>dan.fox@eu.anritsu.com</u> Tel: +44 1582 433357

# **Table Of Contents**

1	Overview	4
2	Tables added to iWD-TVB2003-03_D04wk04	<b>4</b>
3	Tables modified iWD-TVB2003-03_D04wk04         1       tc 8 3 1 9	4 4

### 1 Overview

This document details the changes needed to fix problems in the TTCN implementation of introduce test case 8.3.1.9 to to RRCv340. With these changes applied the test case can be demonstrated to run on at least one independent UE implementation. Only essential fixes to the TTCN are applied. This test case has been tested according to the configuration stated below:-

Reference document	TS 34.123-1 version 5.6.0
Referenced CRs	None
Integrity	Enabled
Ciphering	Disabled
Path tested	PS

### 2.32 Tables added to iWD-TVB2003-03\_D04wk04

#### 2.42.1 New tables added

None.

### 3 Tables modified iWD-TVB2003-03\_D04wk04

### 3.1 tc\_8\_3\_1\_9

#### Reason for change

The existing test case has been modified as follows:

 Lines 20 and 22 – Reconfigure to use the U-RNTI when sending Cell Update Confirm as the UE has no C-RNTI at this stage and subsequently revert to using C-RNTI.

Test	t Case I	Name	tc_8_3_1_9					
Gro	up		RRC/RRC_CellUpdate/					
Purpose			1. To confirm that the UE performs a cell search after experiencing an of service area" condition following the expiry of timer T305. 2. To c that the UE initiates cell updating procedure if it manages to re-enter service area.					
Con	figurati	on						
Defa	ault		RRC_Def1					
Con	nments		@SIC_NAPP					
Sele	ection R	ef	RRC_FDD_PS					
Description		1	Cell Update: re-entering of service area after T305 expiry and being ou service area					
Nr	Label	Behav	iour Description	Constraints Ref	Verdic t	Comments		
1		START	't_Guard( 1200 )			@sic Jitendra ( T1-301737 sic@		
2		[px	_RAT=fdd]			FDD specific behaviour		
3 +ts_RRC_InitVariablesPS cell_FACH )		ts_RRC_InitVariablesPS( FACH )						
4 +lt_InitNewSIB1		+lt_InitNewSIB1			Put in effect t New SIB1			
5		+pr_G tsc_C	otoState6_11_MO_NewSIB1( ellA,tcv_SIB1)			Goto 6-11 State Cell A Step 1		

6	TBS	(tcv TestBody:=TRUE)			
7		+lt_TestBody			
8		+ ts_C4_CheckCellPCH ( tsc_CellA )			
9	TBE	(tcv_TestBody:=FALSE)			
10		+po_ConnectionAndSS_Rel(tsc_C ellA)			
11	ERR1	[px_RAT=tdd]		I	TDD specific behaviour
12	ERR2	[TRUE]		I	İ
		lt_TestBody	1	<u> </u>	
13		START t_UpperBound (310000)			Step 3. Just wa T305 ( add +10 ) @sic Jitendra T1-301739 sic@
14		+lt_SetQrxlevmin_AndSend			To set Min q-r: in SIB3 and SI
15		(tcv_TmpAtt := tcv_CellInfoA.attenuationLeve l)			Remember curren attenuator set
16		+ts_SetAttenuationLevel (tsc_CellA, 20)			Step 2. SS configures its downlink transmission po settings acc to in Table 8.3.1 -60 -20 = -80
17	TBP1	?TIMEOUT t_UpperBound		(P)	
18		+ts_SetAttenuationLevel (tsc_CellA , tcv_TmpAtt )			Step 4. SS configures its downlink transmission po settings acc to in Table 8.3.1
19	TBP2	<pre>+ts_RRC_ReceiveCellUpdateNonP eriodic(tsc_CellA, cbr_108_CellUpdate ( tcv_CellInfoA.uRNTI, re_enteredServiceArea),(52000 ) )</pre>			Step 5. UE send CELL UPDATE with "Cell update can set to "re-enter service area "
20		+ts_CMAC_New_RNTI_Reconf ( TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			Reconfigure RL to allow U-RNT MAC header before receiving Cell Update from UE
21		UM ! RLC_UM_DATA_REQ	<pre>cas_RRC_CellUpdateCnfDCCH ( tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfNewDRX_DC CH(</pre>		Step 6. SS send CELL UPDATE CON with "Status Indicator" set "cell_PCH" on

			<pre>tcv_CellIndInfo.dl_Integr ityCheckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_PCH, OMIT, OMIT, 3 ))</pre>		
22	•	+ts_CMAC_New_RNTI_Reconf ( FALSE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			Reconfigure RLG to allow C-RNT MAC header afte sending Cell U Confirm.
23		+ts_SetAttenuationLevel (tsc_CellA, 20)			Step 7. SS configures its downlink transmission po settings acc to in Table 8.3.1
24		START t_WaitS (320)			Step 7; Wait fo Minutes and 20 seconds
25	TBP3	? TIMEOUT t_WaitS		(P)	
26		+ts_SetAttenuationLevel (tsc_CellA, tcv_TmpAtt )			Step 8 . SS configures its downlink transmission po settings acc to in Table 8.3.1 before T307 tim expires.
27	TBP4	<pre>+ts_RRC_ReceiveCellUpdateNonP eriodic(tsc_CellA,     cbr_108_CellUpdate (     tcv_CellInfoA.uRNTI,     re_enteredServiceArea),(52000 ) )</pre>			Step 9 UE sends UPDATE with "Ce update cause" s "cell reselect:
28		+ts_CMAC_New_RNTI_Reconf(TRUE , tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			
29		UM ! RLC_UM_DATA_REQ	<pre>cas_RRC_CellUpdateCnfDCCH ( tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfNewDRX_DC CH( tcv_CellIndInfo.dl_Integr ityCheckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_PCH, OMIT, OMIT, 3 ))</pre>		Step 10 SS ser CELL UPDATE COI on DCCH
		lt_SetQrxlevmin_AndSend			
30		<pre>(tcv_SIB3.cellSelectReselectI nfo.modeSpecificInfo.fdd.q_Rx levMin := -35, tcv_SIB4.cellSelectReselectIn fo.modeSpecificInfo.fdd.q_Rxl evMin := -35)</pre>			Set SIB3 and S q_rxlevmin to - IE Valuse *2 +2 t_305 )
31		+ ts SysInfoModifySIB3 And4 RRC			Steps la – lb

### Page 7

	( tsc_CellA, tcv_SIB3, tcv_SIB4, tsc_Now )	
32	+ts_RRC_Delay(10000)	A delay is requ by the UE to re acquire the mod SIB 3 & 4
	lt_InitNewSIB1	
33	( tcv_SIB1 := cb_SIB1_Def( tcv_CellInfoA ) )	Initilise tcv_s with the SIB1 default.
34	<pre>(tcv_SIB1.ue_ConnTimersAndCon stants.t_305:=m5, tcv_SIB1.ue_ConnTimersAndCons tants.t_307:=s50, tcv_SIB1.ue_ConnTimersAndCons tants.t_317:=s600)</pre>	Overwite the Initilised defa values with the specific value

<sup>ж</sup> ТS 34.	<mark>123-3</mark> CR <sup>291</sup> <b>#rev</b>	- # Current version: <b>3.4.0</b> #			
For <u>HELP</u> on using	g this form, see bottom of this page o	r look at the pop-up text over the $#$ symbols.			
Proposed change affe	ects: UICC apps# ME	Radio Access Network Core Network			
Title: % Ac	Idition of NAS test case 10.1.2.1.1 to	NAS ATS V3.4.0			
Source: ೫ Ra	acal Instruments Wireless Solutions, a	an Aeroflex company			
Work item code: ೫ <mark>N/</mark>	A	<b>Date:</b> 米 03/03/2004			
Category: # B Us De be Reason for change: S Summary of change: S	<ul> <li>a <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an ease (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>tailed explanations of the above categories</li> <li>found in 3GPP <u>TR 21.900</u>.</li> <li>To add verified GCF package 3 NA ATS V3.4.0</li> <li>This document lists all changes ap approval.</li> <li>See detailed change description for the second secon</li></ul>	Release: %       R99         Use one of the following releases:       2         (GSM Phase 2)       arlier release)         arlier release)       R96       (Release 1996)         R97       (Release 1997)         R98       (Release 1998)         R99       (Release 1999)         es can       Rel-4       (Release 4)         Rel-5       (Release 5)         Rel-6       (Release 6)			
Consequences if solution of approved:	Example 2 Test case will not be added to ATS				
Clauses affected:	ж <mark>N/A</mark>				
Other specs	YNXOther core specificationsXTest specificationsXO&M Specifications	₩			
Other comments:	Ħ				

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

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

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

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

## **Tdoc # T1s040178**

Title:	Approval of test case 10.1.2.1.1
Source:	Racal Instrument Wireless Solutions, an Aeroflex company
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Kundan Sehmbey kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

# 1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.1.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 10.1.2.1.1	2
4.1 4.2	Introduction tc_10_1_2_1_1	2 2
5	Branches executed in test case 10.1.2.1.1	3
<b>6</b> 6 1	Execution Log Files	<b>3</b>
6.2	Nokia 7600	3

# **3 Verification Test Summary**

Test Case:	TC_10_1_2_1_1
Test Group:	CC/ OutgoingCall / U0
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	RIWSG 6401 AIME\CT
UE used:	Qualcomm TM 6200 and Nokia 7600
Verification Status:	PASS

# 4 Corrections required for test case 10.1.2.1.1

### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.1.1 run correctly with a 3G UE. All modifications have been highlighed.

The ATS version used as basis was NAS\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

### 4.2 tc\_10\_1\_2\_1\_1

Test step name	tc_10_1_2_1_1
Reason for change	Step 11 is redundant as RRC Connection release was already done in po_ConnectionAndSS_Rel (step 12)
Summary of change	Deleted Row # 11 and the indentation for Row # 12 reduced by 1.
Source of change	New change

#### Before:

9	ТВР	Dc ? RRC_Ds tcv_Start := RRC_	italnd DataInd.start)	car_InitDirectTransfer ( tsc _CellDedicated, tsc_RB3, cd_CM_ServReqMO(?))	(P)	4. Step 4
10		+ ts_SS_Sec ( cs_domain, tcv	urityDownloadSta Start )			
11		+ ts_RRC_C ( cell_Dch )	onnRel (tsc_Cel	)		Step 5
12		+ po_Conne tsc_CellA)	ctionAndSS_Rel			

#### After :

9	TBP	Dc ? RRC_Dataind (tcv_Start := RRC_Dataind.start)	car_InitDirectTransfer ( tsc (P) _CellDedicated, tsc_RB3, cd_CM_ServReqM0 ( ? ) )	4. Step 4
10		+ ts_SS_SecurityDownloadSt art (cs_domain, tcv_Start)		
11		+ po_ConnectionAndSS_Rel (tsc_CellA)		

# 5 Branches executed in test case 10.1.2.1.1

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled and AutoAttach off.

# 6 Execution Log Files

### 6.1 Qualcomm TM 6200

The Qualcomm TM 6200 passed this test case on RIWSG 6401 AIME\CT. The documentation below is enclosed as evidence of the successful test case run:

• Execution log files tc\_10\_1\_2\_1\_1\_Qualcomm\_CS.html This execution log files in HTML format show the dynamic behaviour of the test case, 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 values are also listed in the log file.

### 6.2 Nokia 7600

The Nokia 7600 passed this test case on RIWSG 6401 AIME\CT. The documentation below is enclosed as evidence of the successful test case run:

#### • Execution log files tc\_10\_1\_2\_1\_1\_Nokia\_CS.html

This execution log files in HTML format show the dynamic behaviour of the test case, 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 values are also listed in the log file.

		CR-Form-v7
	CHANGE REQUEST	
<sup>#</sup> TS 3	<mark>34.123-3</mark> CR <sup>292</sup> <b># rev</b> <sup>-</sup> <sup># C</sup>	Current version: <b>3.4.0</b> <sup>#</sup>
For <u>HELP</u> on u	ising this form, see bottom of this page or look at the $\mu$	pop-up text over the X symbols.
Proposed change	<i>affects:</i> UICC apps <b>೫</b> ME Radio Acc	ess Network Core Network
Title: ೫	Addition of NAS test case 10.1.3.3.2 to NAS ATS V3	3.4.0
Source: ೫	Racal Instruments Wireless Solutions, an Aeroflex co	ompany
Work item code: ೫	N/A	<i>Date:</i>
Category: #	<ul> <li>B F</li> <li>Use <u>one</u> of the following categories: F (correction)</li> <li>A (corresponds to a correction in an earlier release)</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> <li>e: # To add verified GCF package 3 NAS test case ATS V3.4.0</li> </ul>	Release: #R99Use one of the following releases: 2(GSM Phase 2)R96(Release 1996)R97(Release 1997)R98(Release 1998)R99(Release 1999)Rel-4(Release 4)Rel-5(Release 5)Rel-6(Release 6)
Summary of chang	ge: #	
Consequences if not approved:	# Test case will not be added to ATS	
Clauses affected:	ж <mark>N/A</mark>	
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications	
Other comments:	ж	

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

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

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

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

## **Tdoc #T**1s040172

Title:	Approval of test case 10.1.3.3.2
Source:	Racal Instrument Wireless Solutions, an Aeroflex company
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Kundan Sehmbey kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

# **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.3.3.2 which is part of the NAS test suite.

No change has been applied to the test case and can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

# 2 Table of Contents

6	References	Error! Bookmark not defined.
5.2	Nokia 7600	2
5.1	Qualcomm TM 6200	2
5	Execution Log Files	2
4	Branches executed in test case 10.1.3.3.2	2
3	Verification Test Summary	2
2	Table of Contents	1
1	Overview	1

# **3 Verification Test Summary**

Test Case:	TC_10_1_3_3_2
Test Group:	CC/ IncomingCall / U9
ATS Version:	iWD-TVB2003-03_D04wk07
System Simulator used:	RIWSG 6401 AIME\CT
UE used:	Qualcomm TM 6200 and Nokia 7600
Verification Status:	PASS

## 4 Branches executed in test case 10.1.3.3.2

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled and AutoAttach off.

# 5 Execution Log Files

### 5.1 Qualcomm TM 6200

The Qualcomm TM 6200 passed this test case on RIWSG 6401 AIME\CT. The documentation below is enclosed as evidence of the successful test case run [1]:

#### • Execution log files tc\_10\_1\_3\_3\_2\_Qualcomm\_CS.html

This execution log files in HTML format show the dynamic behaviour of the test case, 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 values are also listed in the log file.

## 5.2 Nokia 7600

The Nokia 7600 passed this test case on RIWSG 6401 AIME\CT. The documentation below is enclosed as evidence of the successful test case run [1]:

#### • Execution log files tc\_10\_1\_3\_3\_2\_Nokia\_CS.html

This execution log files in HTML format show the dynamic behaviour of the test case, 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 values are also listed in the log file.

	CHANG	EREQUEST	CR-Form-v7
ж <mark>тер</mark>			
<sup>••</sup> 133	+.123-3 CR 200		<b>3.4.0</b>
For <u>HELP</u> on us	ing this form, see bottom of th	is page or look at the p	pop-up text over the # symbols.
Proposed change a	ffects: UICC apps#	ME Radio Acce	ess Network Core Network
Title: #	Addition of NAS test case 10.1	.3.3.4 to NAS ATS V3.	.4.0
Source: ೫	Racal Instruments Wireless So	olutions, an Aeroflex co	ompany
Work item code: #	N/A		<i>Date:</i>
Category: %	<ul> <li>B</li> <li>Use <u>one</u> of the following categorie</li> <li>F (correction)</li> <li>A (corresponds to a correcti</li> <li>B (addition of feature),</li> <li>C (functional modification of D (editorial modification))</li> <li>Detailed explanations of the above found in 3GPP <u>TR 21.900</u>.</li> <li><b>%</b> To add verified GCF pack ATS V3.4.0</li> </ul>	R es: on in an earlier release) feature) e categories can age 3 NAS test case 1	Release: %R99Use one of the following releases: 2(GSM Phase 2)R96(Release 1996)R97(Release 1997)R98(Release 1998)R99(Release 1999)Rel-4(Release 4)Rel-5(Release 5)Rel-6(Release 6)
Summary of chang	e: #		
Consequences if not approved:	* Test case will not be adde	ed to ATS	
Clauses affected:	ж <mark>N/A</mark>		
Other specs affected:	YNXOther core specificXTest specificationsXO&M Specification	cations ¥ s	
Other comments:	ж		

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

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

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

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

## *Tdoc* **#***T*1s040175

Title:	Approval of test case 10.1.3.3.4
Source:	Racal Instrument Wireless Solutions, an Aeroflex company
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Kundan Sehmbey kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

# **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.3.3.4 which is part of the NAS test suite.

No change has been applied to the test case and can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

# 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Branches executed in test case 10.1.3.3.4	2
5	Execution Log Files	2
5.1	Qualcomm TM 6200	2
5.2	Nokia 7600	2

# **3 Verification Test Summary**

Test Case:	TC_10_1_3_3_4
Test Group:	CC/ IncomingCall / U9
ATS Version:	iWD-TVB2003-03_D04wk07
System Simulator used:	RIWSG 6401 AIME\CT
UE used:	Qualcomm TM 6200 and Nokia 7600
Verification Status:	PASS

## 4 Branches executed in test case 10.1.3.3.4

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled and AutoAttach off.

# 5 Execution Log Files

### 5.1 Qualcomm TM 6200

The Qualcomm TM 6200 passed this test case on RIWSG 6401 AIME\CT. The documentation below is enclosed as evidence of the successful test case run:

#### • Execution log files tc\_10\_1\_3\_3\_4\_Qualcomm\_CS.html

This execution log files in HTML format show the dynamic behaviour of the test case, 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 values are also listed in the log file.

## 5.2 Nokia 7600

The Nokia 7600 passed this test case on RIWSG 6401 AIME\CT. The documentation below is enclosed as evidence of the successful test case run:

#### • Execution log files tc\_10\_1\_3\_3\_4\_Nokia\_CS.html

This execution log files in HTML format show the dynamic behaviour of the test case, 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 values are also listed in the log file.

	CR-Form-vi
	CHANGE REQUEST
ж	TS 34.123-3       CR       294       # rev       # Current version:       3.4.0       #
For <mark>HEL</mark>	$P$ on using this form, see bottom of this page or look at the pop-up text over the $\Re$ symbols.
Proposed c	hange affects: UICC apps# ME Radio Access Network Core Network
Title:	# Addition of NAS test case 10.1.2.7.3 to NAS ATS V3.4.0
Source:	X   Rohde & Schwarz
Work item c	code: # N/A Date: # 03/03/2004
Category: Reason for	<b>% B Release: % R99</b> Use one of the following categories:       Ise one of the following releases: <b>F</b> (correction)       2 <b>A</b> (corresponds to a correction in an earlier release)       R96 <b>B</b> (addition of feature),       R97 <b>C</b> (functional modification of feature)       R98 <b>D</b> (editorial modification)       R99 <b>D</b> (editorial modification)       R99 <b>D</b> tetailed explanations of the above categories can       Rel-4 <b>b</b> found in 3GPP <u>TR 21.900</u> .       Rel-5 <b>c</b> (Release 5)       Rel-6 <b>Release:</b> 5)       Rel-6 <b>C</b> (add verified GCF package 3 NAS test case 10.1.2.7.3 to the approved NAS ATS V3.4.0
Summary of	f change: #
Consequent not approve	ed:
Clauses affe	ected: % N/A
Other specs affected:	S     X     Other core specifications     %       X     Test specifications     %       X     O&M Specifications
Other comn	nents: #

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

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

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

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

## **Tdoc #T**1s040161

Approval of test case 10.1.2.7.3
Rohde & Schwarz
TTCN Issues
Approval
Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.7.3 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

# 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Branches executed in test case 10.1.2.7.3	2
5	Execution Log Files	2
5.1	Nokia 3G UE 7600	2
5.2	Motorola 3G UE A835	2
•		

# **3 Verification Test Summary**

Test Case:	TC_10_1_2_7_3
Test Group:	CC/ OutgoingCall / U11
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Motorola A835
Verification Status:	PASS

# 4 Branches executed in test case 10.1.2.7.3

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and AutoAttach off.

# 5 Execution Log Files

## 5.1 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 10\_1\_2\_7\_3\_Logs-Nokia\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_7\_3-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 5.2 Motorola 3G UE 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 10\_1\_2\_7\_3\_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 10\_1\_2\_7\_3-pics-pixit-Motorola.txt** Text file containing all PICS/PIXIT parameters used for testing.

# 6 References

#### [1] T1s040162

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

	CR-Fo	rm-v7			
CHANGE REQUEST					
<sup>#</sup> TS 3	4.123-3 CR 295 <b># rev</b> - <b>#</b> Current version: 3.4.0 <sup>#</sup>				
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the pop-up text over the $st$ symbols				
Proposed change	affects: UICC apps# ME Radio Access Network Core Network	<			
Title: ೫	Addition of NAS test case 10.1.2.5.2 to NAS ATS V3.4.0				
Source: ೫	Rohde & Schwarz				
Work item code: ೫	N/A Date: # 03/03/2004				
Category: #	B       Release: %       R99         Use one of the following categories:       Use one of the following releases:       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         Detailed explanations of the above categories can       Rel-4       (Release 4)         be found in 3GPP TR 21.900.       Rel-5       (Release 5)         Rel-6       (Release 6)       Rel-6       (Release 6)				
Summary of chang	<i>ا</i> e: ೫				
Consequences if not approved:	# Test case will not be added to ATS				
Clauses affected:	ж N/A				
Other specs affected:	Y       N         X       Other core specifications       #         X       Test specifications       #         X       O&M Specifications				
Other comments:	¥				

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

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

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

### *Tdoc* **#***T*1s040149

Title:	Approval of test case 10.1.2.5.2
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 the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.5.2 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

# 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Branches executed in test case 10.1.2.5.2	2
5	Execution Log Files	2
5.1	Nokia 3G UE 7600	2
5.2	Motorola 3G UE A835	2

## **3 Verification Test Summary**

Test Case:	TC_10_1_2_5_2
Test Group:	CC/ OutgoingCall / U4
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Motorola A835
Verification Status:	PASS

## 4 Branches executed in test case 10.1.2.5.2

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and AutoAttach off.

# **5** Execution Log Files

### 5.1 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 10\_1\_2\_5\_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 10\_1\_2\_5\_2-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 5.2 Motorola 3G UE 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 10\_1\_2\_5\_2\_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 10\_1\_2\_5\_2-pics-pixit-Motorola.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 6 References

#### [1] T1s040150

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

CR-Form-v7 CHANGE REQUEST		
<sup>ж</sup> ТS 34.	<mark>.123-3</mark> CR <sup>296</sup> #re	v <sup>-</sup> <sup>#</sup> Current version: <b>3.4.0</b> <sup>#</sup>
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 aff	fects: UICC apps# ME	Radio Access Network Core Network
Title: % A	ddition of RAB test case 14.2.23a.1	to RAB ATS V3.4.0
Source: ೫ R	ohde & Schwarz	
Work item code: ೫ <mark>ℕ</mark>	//A	<i>Date:</i>
Category: # E	B Ise <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an B (addition of feature), C (functional modification of feature) D (editorial modification) etailed explanations of the above category e found in 3GPP <u>TR 21.900</u> . C To add verified GCF package 3 F ATS V3.4.0 C This document lists all changes a approval. See detailed change description	Release: %       R99         Use one of the following releases:       2         (GSM Phase 2)       (GSM Phase 2)         earlier release)       R96       (Release 1996)         R97       (Release 1997)         R98       (Release 1998)         R99       (Release 1999)         pries can       Rel-4       (Release 4)         Rel-5       (Release 5)       Rel-6         RAB test case 14.2.23a.1 to the approved RAB       RAB         applied to test case 14.2.23a.1 required for       for further information.
Consequences if not approved:	#       Test case will not be added to AT	rs
Clauses affected: Other specs affected:	%       N/A         %       X         %       X         Other core specifications         Test specifications         X	*
Other comments:	#	

#### How to create CRs using this form:

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

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

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

### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

### T1s040065

Title:	Changes to test case 14.2.23a.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 14.2.23a.1 which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

1	Overview	.1
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3	Verification Test Summary	.2
4	Corrections required for test case 14.2.23a.1	.2
4.1	Introduction	.2
4.2	c_TFCS_Cmpl0_To3_Rx (WA#RAB4101)	.2
4.3	c_TFCS_Cmpl0_To3_Tx (WA#RAB4098)	.3
4.4	c_DL_AddReconfTransChInfoListAM_3_4k (WA#RAB4043)	.3
4.5	ts_SS_2DCH_ModifyInteractBackg_8k_PS (WA#RAB4178)	.4
4.6	ts_SendRB_SetUpDCH_8k_PS (WA#RAB4261)	.5
4.7	cb_RAB_InfoListAM1_No_Pdcp (WA#RAB4036)	.5
4.8	cb_RAB_InfoListAM1_No_Pdcp (WA#RAB4256)	.6
4.9	c_RLC_InfoAM_Def_PS (WA#RAB4253)	.7
4.10	cb_UL_AM_RLC_rst4_tp200 (WA#RAB4252)	.8
4.11	c_DL_InformationPerRL (WA#RAB4090)	.8
5	Branches executed in test case 14.2.23a.11	0
6	Execution Log Files1	0
6.1	Nokia 3G UE 76001	0
6.2	Ericsson 3G UE U1001	0
7	References1	0

# **3** Verification Test Summary

Test Case:	TC_14_2_23a_1
Test Group:	RAB/CombinationOnDPCH/Interactive_Background/
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 14.2.23a.1

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.23a.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\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.23a.1:

WA#RAB4014, WA#RAB4021, WA#RAB4031, WA#RAB4040, WA#RAB4054, WA#RAB4055, WA#RAB4057, WA#RAB4058, WA#RAB4059, WA#RAB4060, WA#RAB4068, WA#RAB4091, WA#RAB4092, WA#RAB4100, WA#RAB4103, WA#RAB4104, WA#RAB4130, WA#RAB4179. WA#RAB4190, WA#RAB4193, WA#RAB4195, WA#RAB4206, WA#RAB4208, WA#RAB4209, WA#RAB4210, WA#RAB4211, WA#RAB4212, WA#RAB4251, WA#RAB4254, WA#RAB4255, WA#RAB4257, WA#RAB4258, WA#RAB4262 and WA#RAB4263.

#### 4.2 c\_TFCS\_CmpI0\_To3\_Rx (WA#RAB4101)

Test step name	c_TFCS_Cmpl0_To3_Rx
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4101

ASN.1 Type Constraint Declaration	
Constraint Name Ottug	e_TFCE_CmpID_Ta3_Rs
Type Name Derivation Path	TFCS
Encoding Variation: Comments	TECS information with power offset information - for transmitter
	WARRAB4101
	Constraint Value
normalTFCL_Bigsat cttkSter.cttk4Bit( (1564.0, power08 (1564.1, power08 (1564.2, power08 (1564.3, power08 ) ]	ing: completo: ( faethformation CMET ), faethformation CMET ), faethformation CMET )

## 4.3 c\_TFCS\_Cmpl0\_To3\_Tx (WA#RAB4098)

Test step name	c_TFCS_Cmpl0_To3_Tx
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4098

6	ASN.1 Type Constraint Declaration
Constraint Name Droug	t_TFCE_CmptE_To3_Tr (p_PawarOffsetInformation PowerOffsetInformation )
Type Name Derivation Path	TFCS
Encoding Variation.	
Comments	TFCS information with power offset information - for transmitter
-	WARAB4008
	Constraint Value
normaITFCL_Bigsal ott:Size.ctt:48ht/ (.ttl:40, power01 (.ttl:41, power01 (.ttl:42, power01 (.ttl:43, power01 )	ling: complete: { factor/ormation: _PowerOffsetInfoComputed }_ factor/ormation: _PowerOffsetInfoComputed }_ factor/ormation: p_PowerOffsetInfoComputed }_ factor/ormation: p_PowerOffsetInformation.}

### 4.4 c\_DL\_AddReconfTransChInfoListAM\_3\_4k (WA#RAB4043)

Test step name	c_DL_AddReconfTransChInfoListAM_3_4k
Reason for change	Wrong parameter used when setting up RAB20: according to the default values for the "Radio Bearer Set up" message in TS34.108 for the "Added or Reconfigured DL TrCH information" IE is "Same as UL" for tsc_DL_DCH5.
Summary of change	used c_DL_AddReconfTransChInfo(tsc_DL_DCH5, tsc_UL_DCH5)intead of {
	dl_TransportChannelType dch,
	dl_transportChannelldentity tsc_DL_DCH5,
	tfs_SignallingMode explicit_config : dedicatedTransChTFS :

c\_DCH\_148\_TFS\_UE\_DL, dch\_QualityTarget { bler\_QualityValue -20 }, dummy OMIT } New Change

#### Source of change

Label



	Adm 1 Type Constraint Destandorn
Centeral Nume Onne Type Name Centralize Patro	1_DL_AbdReconfinescOntributed_LALA_LConfinesCoTTCOntrologement() DL_AbdReconfinesContribute
Canarado Canarado	GEC JUPP
3	Construct Value
61, TrainportChantelTipe 4:5, 61, TrainportChantelTipe 4:5, 61, Discipating4base equal_configschool/defines/L1791_a_Definacia118, 61, Guarry 0407 J 	

### 4.5 ts\_SS\_2DCH\_ModifyInteractBackg\_8k\_PS (WA#RAB4178)

Test step name	ts_SS_2DCH_ModifyInteractBackg_8k_PS
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be before tsc_DL_DCH5.
Summary of change	Used c_TrLogMappingDL_4DCCH_1DTCH instead of c_TrLogMappingDL_2 as the first one states the right order.
Source of change	New Change
Label	WA#RAB4178

			Test step		
Test Days M Tr. U. 2004, Rectificities of the section of the secti		_BP01 	Marcan, Parcong, DECHI 4 or 5: Be CCHI birego a TTI TC	t share we and note B1	15-quarter#5 Kite DCH1 tangat men
PM-	Labort	Bettermur Dielargtmit	Constant Ref	Veshit	Converte
2		DR./RET + HAR CPHYTOPHY_RL_WeatH_RED CPHYTOPHY_RL_WeatH_RED CPHYTOPHY_TICH_Cardy_DRD CMACTOWIC_Cardy_RED	ca, DL, DPCH, Moditanio (g. Califa, fac. Ch, DPCH, J. DL, DPCH, Jin Bra, Shi 19, 6, DL, Carrensell-Monalender, Trap C, TrCACcalingTrya/DCH, 100HO, C, DCH , Tall, 198, Ch, J., Nakayan/Chano, Shi C, Forwir Officiently, Califa, Nat. Ch, OPCH 10, Calif. Second path (Mar., California, A, Tall, 198, Ch, California, Shi, OPCH 11, Calif. Second path (Mar., California, California, California, California, Shi, C, California, California, California, 10, The D, L. J., Transper Chand, Shi, C, Power Officient Barrier Million, Thiophie Gendul, ADCCH, (TOCH, FEL, Allifornia		k. X. Venerosa et 79
r .		CMAC 1 CBMC, Ceefg, CMP	ca_CHAC_CRECHTSIA_CollCadeated, to < D1_DPENTS		
		CPHRCPHY_RL_Mode_RCG	<pre>ca_UL_DPCH_ModBMA0 ID_Callia.lsc, UL_DPCH1.a_UL_DPCH_AND p_ARTHY 61</pre>		12)
°.		CPHITCPHY_PL_Month_Ster	HIS HOUSE CHIER HIS THE DPC		
10		CPHNICPHY_THDH_Cavilia_REG	ea_2_DCH_0_To3_UL_2Hb(b_Cellin, for		2

## 4.6 ts\_SendRB\_SetUpDCH\_8k\_PS (WA#RAB4261)

Test step name	ts_SendRB_SetUpDCH_8k_PS	
Reason for change	Wrong value for "re-EstablishmentTimer" according to the default values (TS 34.108). Should be used T315 (PS), not T314.	
Summary of change	Used "useT315" instead of "c_ReEstTimerT314"	
Source of change	New Change	
Label	WA#RAB4261	

2		ALCO AND REPORT OF A DATA AND AND A DATA AND AND AND AND AND AND AND AND AND AN	Test Step	and second
Test Test Objet	Stap M Stap Group R Stvie Alle	ts_SandRB_SetUpDCH_8k_P8 (p_Cellist INTEGE nsChinto_88 CommonOrDeskatedTF8) ef RB_Steps/RB_Setup/ RBC_ben	R; p_RA8_ki : BITSTRINO; p_ActTime : Activa\$onTime ; p_TransChinfp_UE   Dedica8	adTiansChTFS;p_Ti
Came	nente	ind the set		
		Behaviour Description	Constraint Ref.	Comments
1	+ ts Set	TripCellinb (a. Cellit)		
	AM ( FL.)	C_AM_DATA_REG	<pre>cas_RB_BatUpAM_WebCHT fst_CellDedicated, fst_RB2, fa</pre>	WARFAB4281
1	AM 7 R	LC AM DATA CNF	car, AM, DataMusCrif dsc. CellDedicated, tax, FR2, tec, Mult	

## 4.7 cb\_RAB\_InfoListAM1\_No\_Pdcp (WA#RAB4036)

Test step name	cb_RAB_InfoListAM1_No_Pdcp
Reason for change	RB 20 is configured to use TF of 336 bits. Therefore <code>rlc_SizeIndex 2</code> must only be specified. When both { <code>rlc_SizeIndex 1</code> }, { <code>rlc_SizeIndex 2</code> } is used, this will allow RB 20 to use TF of 148 as well.
Summary of change	Use rlc_SizeList explicitList : { { rlc_SizeIndex 2} } instead of rlc_SizeList explicitList : { { rlc_SizeIndex 1}, { rlc_SizeIndex 2} }
Source of change	New Change
Label	WA#RAB4036



#### 4.8 cb\_RAB\_InfoListAM1\_No\_Pdcp (WA#RAB4256)

Test step name	cb_RAB_InfoListAM1_No_Pdcp
Reason for change	Wrong values for "max-RST" and "timerPoll" according to the default values in TS34.108: max-RST is set to rst1 (should be rst4) timerPoll is set to tp400 (should be tp200)
Summary of change	Used a new constraint "c_RLC_InfoAM_Def_PS" (based in "c_RLC_InfoAM_Def") containing the correct default values for "max-RST" and "timerPoll" (see WA#RAB4253).
Source of change	New Change
Label	WA#RAB4256

Concernance of the	ASN.1 Type Constraint Dectaration				
Constraint Name Oroup:	cb_RAB_Into():stAMI_No_Pdcp (p_ReEstTimer Re_EstablishmentTimer; p_RAB_ist BITSTRING)				
Type Name Derivation Path	RAB_InformationSetupList				
Comments	VXMRAB4256				
	WARABAD36				
	Constnant/Value				
re_Establishme k_identitytoc_i pdgrsb_OWI rk_infoChoice: rb_MappingInti uL_optialCh uL_optialCh uL_optialCh uL_optialCh iogkolChan nkc_Stp4List mac_LogicalCh di Transpit di Transpit	Iffirmer p_ReEatTimer  tupList ((RE_informationSetupList RP20,  itu_Info_RE_MappingCotten  annetMappings oneLogicalChannel I ChannetWappings dim soc_U_DCH1, melidentity OMT, configured NUUL, itChannetPriority 0  annetMappingList    ithChannetType dim to DL_DCH1.				

# 4.9 c\_RLC\_InfoAM\_Def\_PS (WA#RAB4253)

Test step name		c_RLC_InfoAM_Def_PS		
Reason for	change	In order to implementate a WA#RAB4254 a new constraint is needed.		
Summary of change		Created a new constraint "c_RLC_InfoAM_Def_PS" (based in "c_RLC_InfoAM_Def") containing the correct default values for "max-RST" and "timerPoII".		
		This constraint introduces another new constraint with the commented values for AM mode: "cb_UL_AM_RLC_rst4_tp200" (see WA#RAB4252).		
Source of change		New Change		
Label		WA#RAB4253		
		ASN 1 Type Constraint Declaration		
Construct Name c_RLC_Intx4M_Der_P1		pw_rs		
Type Name Demotion Path	RLC_Into			
Comments	WMRR64253			
1		Constraint Value		
I U_RLC_Mede U_ dLRLC_Mede U_	AM_FILC_Mode: AM_FILC_Mode:	eb_UL_AM_FLC_mN_b200. cb_DL_AM_FLC		

### 4.10 cb\_UL\_AM\_RLC\_rst4\_tp200 (WA#RAB4252)

Test step name	cb_UL_AM_RLC_rst4_tp200
Reason for change	In order to implementate a WA#RAB4253 a new constraint is needed.
Summary of change	Created a new constraint "cb_UL_AM_RLC_rst4_tp200" (based in "cb_UL_AM_RLC_rst4_tp200" ) containing the correct default values for "max-RST" and "timerPoll" for this configuration.
Source of change	New Change

Label WA#RAB4252

Second and the second	AB	N.1 Type Constraint Declaration
Constraint Name Omup Type Name Derivation Path Encoding Variation Comments	IN_UL_AM_RLC_HH_b200 UL_AM_RLC_Mode	
		Constraint Value
batemissionRLC batemissionWee ImerRST1500, mac_RBT18M, polinginto ( tmerPoiProhibit ImerPoiProhibit ImerPoiProhibit ImerPoiProhibit IstRetanomission IstRetanomission IstRetanomission IstRetanomission	Discard noDescard I sat15; ow82a tw128; bo200; PDU_PoilTRUE; onPDU_PoilTRUE; 4 OMIT	

## 4.11 c\_DL\_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".
Source of change	New Change
Label	WA#RAB4090

2	ASN 1 Type Constraint Declaration
Constraint Name:	c_DL_informationPerRL ( p_ScmbiCode: PrmanStramblingCode; p_Sf SFS12_AndCodeNumber; p_SecondaryScramblingCode : SecondaryScramblingCode )
Orosex	
Type Name:	DL_informationParRi_List
Derivation Path:	
Encoding Variation	
Comments	WARRACID
il.	Constraint Value
II mode8pacificity primaryCPICH_ pdach_EH0_DC pdach_End_DC pdach_CodeMa ii 	NGS: ( http://maxwScramblingCode.s.ScmbCode.), SHLJHS.OMIT, opengigOMIT HLISAL ( FeroThanneEstmayBeVised, eril (Bis_DebastDPCH_Offset/salue*DD MOD 38400) PCH-FrameOffset = E value* 126 erialDPCH-Offset/salue*DD = E value* 512 H_Infs OMIT, onCodeLetil ambingCode.g.Secondae9BisambingCode., lumber p_Sf, ideChange indCodeChange nindex tsc_TPC_Combinatonindex, rOMIT, ingAdMoze OMIT CH OMIT

## 5 Branches executed in test case 14.2.23a.1

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\_23a\_1\_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\_23a\_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\_23a\_1\_PS-Ericsson-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

• **PICS/PIXIT file 14\_2\_23a\_1-pics-pixit-Ericsson.html** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

#### [1] T1s040066

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

CR-Form-v7 CHANGE REQUEST		
<sup>ж</sup> ТS 34.	.123-3 CR <sup>297</sup> #rev	- # Current version: <b>3.4.0</b> #
For <u>HELP</u> on usin	ng this form, see bottom of this page o	r look at the pop-up text over the X symbols.
Proposed change aff	ects: UICC apps# ME	Radio Access Network Core Network
Title: ೫ A	ddition of RAB test case 14.2.23b to R	AB ATS V3.4.0
Source: ೫ R	ohde & Schwarz	
Work item code: ೫ <mark>N</mark> /	/Α	<b>Date:</b> 米 03/03/2004
Category: # E	<ul> <li>Se <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an ease (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>etailed explanations of the above categories</li> <li>found in 3GPP <u>TR 21.900</u>.</li> <li><b>%</b> To add verified GCF package 3 RAATS V3.4.0</li> <li><b>%</b> This document lists all changes ap approval.</li> <li>See detailed change description for a set of the set</li></ul>	Release: # R99         Use one of the following releases:         2       (GSM Phase 2)         arlier release)       R96       (Release 1996)         R97       (Release 1997)         R98       (Release 1998)         R99       (Release 1999)         es can       Rel-4       (Release 4)         Rel-5       (Release 5)         Rel-6       (Release 6)
Consequences if not approved:	# Test case will not be added to ATS	
Clauses affected: Other specs affected:	೫       N/A         ೫       X         Other core specifications         X         Test specifications         X         O&M Specifications	¥
Other comments:	ж	

#### How to create CRs using this form:

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

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

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

### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

## T1s040067

Title:	Changes to test case 14.2.23b 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 14.2.23b 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_23b
Test Group:	RAB/CombinationOnDPCH/Interactive_Background/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 14.2.23b

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.23b run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.23b:

WA#RAB4014, WA#RAB4021, WA#RAB4030, WA#RAB4031, WA#RAB4040, WA#RAB4054, WA#RAB4055, WA#RAB4057, WA#RAB4058, WA#RAB4059, WA#RAB4060, WA#RAB4068, WA#RAB4091, WA#RAB4092, WA#RAB4093, WA#RAB4095, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4103, WA#RAB4104, WA#RAB4105, WA#RAB4178, WA#RAB4190, WA#RAB4206, WA#RAB4208, WA#RAB4209, WA#RAB4210, WA#RAB4211, WA#RAB4212, WA#RAB4251, WA#RAB4254, WA#RAB4255, WA#RAB4257, WA#RAB4258, WA#RAB4261 and WA#RAB4263.

#### 4.2 c\_DL\_AddReconfTransChInfoListAM\_3\_4k (WA#RAB4043)

Test step name	c_DL_AddReconfTransChInfoListAM_3_4k
<b>Reason for change</b> Wrong parameter used when setting up RAB20: according to the defavoration values for the "Radio Bearer Set up" message in TS34.108 for the "A Reconfigured DL TrCH information" IE is "Same as UL" for tsc_DL_DCH5.	
Summary of change	used c_DL_AddReconfTransChInfo(tsc_DL_DCH5, tsc_UL_DCH5)intead of {
	dl_TransportChannelType dch,
	dl_transportChannelIdentity tsc_DL_DCH5,
	tfs_SignallingMode explicit_config : dedicatedTransChTFS : c_DCH_148_TFS_UE_DL,

dch\_QualityTarget { bler\_QualityValue -20 },

dummy OMIT

}

Source of change New Change

Label WA#RAB4043



ated, tst\_UL\_DPCH1)

### 4.3 ts\_SS\_2DCH\_ModifyInteractBackg\_16k\_PS (WA#RAB4179)

Test step name ts\_SS\_2DCH\_ModifyInteractBackg\_16k\_PS

**Reason for change** Wrong order when configuring transport channel in the SS messages. tsc\_DL\_DCH1 must be before tsc\_DL\_DCH5.

**Summary of change** Used c\_TrLogMappingDL\_4DCCH\_1DTCH instead of c\_TrLogMappingDL\_2 as the first one states the right order.

Source of change New Change

Label WA#RAB4179

			Test titep		
Test Ship të	16_00_DOH_Modificialitation_file_P0( #_04## HTE0Eft #_AntTree_AdvanceTance, h_DL_Extended structure IS_Connectationsides, #_UL_DPCH_Inter_UL_DPCH_Inter				
Teat they traval had Takathe Cellents Comments	FB_DeputyB_Cookgaration In configure physical choices (DPC respectively Used to DeputyBe PRC_DUP	HT and reveal DCHT and DCHE to be pressed in background randomized UL 32 DL 32Mail, 200	channel, Benning DCDH: 4 and the DCHI Banger ns Th TC	l channel and map (71	CH3485wW10 B Re CCH1 karapot cheve
1.68	Lieu	Behaviour Description	COnstraint Put	Verma	Cenerets
-		DELEVENT OF THE DES	cs_DL_DPCH_Modifyinity_Codit_tac_ DL_DPCH_ <cdl_dpch_init_tac_ DL_PCH_<cdl_dpch_init_tac_ DL_PDL_Commanistenester.Vec_True Codition_dL_PPCH_Init@ectadeut_Arth entit</cdl_dpch_init_tac_ </cdl_dpch_init_tac_ 		<b>E</b>
1		CPHITCPHY_PL_MidN_CHP	ma_PE_MedMyDellar_Collini, two_DE_DPC H10		1 23
*		CPHINOPHY_TICH_Cards_RDS	<pre>cm_2_DCH_0_Tes_DL_Hebjs_Celler_te c_DL_DPCH1_c_DCP_148_TF8_DL_1_ DCH_38_TF8_TB8_T8_4R_TC_0_ACT FREE</pre>		1
4		CPHV1CPHT_TICH_Config_CHF	ca_http:://calling.calling.bit_bitCH		
		CMACTCHAC_CONNE_HED	cia_CMAC_SYStead grants (Not_Deliberation Net, Not_Deli, 2015), (Lost Juno) (2007), OWT), CTC-Helm, Dur., 2015; (C., DCH 140_T71_DL, C., DCH_201_T712, 40, T C, 32, ProverCiterating at set4440, st, Tet, cighterprint(Dr., ADCCH, TDTCH, PSto, A dThree)		IN HANNESSEE
T		CMACT CMAC Carella CNP	iss CMAC ChiCrAbs Calification to		

# 4.4 ts\_SendRB\_SetUpDCH\_16k\_PS (WA#RAB4262)

Test step name	ts_SendRB_SetUpDCH_16k_PS
Reason for change	Wrong value for "re-EstablishmentTimer" according to the default values (TS 34.108). Should be used T315 (PS), not T314.
Summary of change	Used "useT315" instead of "c_ReEstTimerT314"
Source of change	New Change
Label	WA#RAB4262

Same		and the second	Test Step			
Test Step HE. Test Step Orcup Raf Objective Defaults		IS_BendRB_SetUpDCH_16k_PS (p_Cellist INTEGER; p_RAB_jd : BITSTRIN0; p_ActTime : AutivationTime) RB_Steps/RB_Setup RBC Twit				
Comme	ets:					
La		Behaviour Description	Constraint Ref	Comments		
	+ B_BETT	mpCHIME(\$_CHIME) AM_DATA_REG	cas_RIL_SetUpAN_WENCH[ Soc_CellDedicated, Soc_FR2, So	www.nab4282		

## 4.5 cb\_RAB\_InfoListAM1\_No\_Pdcp (WA#RAB4036)

Test step name	cb_RAB_InfoListAM1_No_Pdcp
Reason for change	RB 20 is configured to use TF of 336 bits.Therefore rlc_SizeIndex 2 must only be specified. When both { rlc_SizeIndex 1}, { rlc_SizeIndex 2} is used, this will allow RB 20 to use TF of 148 as well.
Summary of change	Use rlc_SizeList explicitList : { { rlc_SizeIndex 2} } instead of rlc_SizeList explicitList : { { rlc_SizeIndex 1}, { rlc_SizeIndex 2} }
Source of change	New Change
Label	WA#RAB4036

	ASIN.1 Type Constraint Declaration	
Constraint Name	cb_RAB_InfoListAM1_No_Pitcp (p_ReEstTimer: Re_EstablishmentTimer, p_RAB_kt: BITSTRIM0)	
Type Name Derivation Path	RAE_InformationSetupList	
Comments	V04#RAB#256	
	V94/R7464036	
	Constraint Value	
B L (RB_Mappin uL_transpo logicalChar ric_SizeList mac_LogicalCh dL_togicalChar logicalChar B B B B J	d_TransportChannelType dch:tsc_DL_DCH1, logicalChannelidenthyOWIT } {-RB_MappingInfb wLogicalChannelMpppings oneLogicalChannel(=-UL_LogicalChannelMapping, wLTransportChannelMppe rach:NULL, logicalChannelMptotsc_UL_DTCH1, ntc_StretList coplicitList:({ntc_BizeIndex:2}), mac_LogicalChannelPhority 8 }, dL_LogicalChannelMappingList){ d_TransportChannelType fach:NULL, logicalChannelIdentitytsc_DL_DTCH1 } }	

### 4.6 cb\_RAB\_InfoListAM1\_No\_Pdcp (WA#RAB4256)

Test step name	cb_RAB_InfoListAM1_No_Pdcp
Reason for change	Wrong values for "max-RST" and "timerPoll" according to the default values in TS34.108: max-RST is set to rst1 (should be rst4) timerPoll is set to tp400 (should be tp200)
Summary of change	Used a new constraint "c_RLC_InfoAM_Def_PS" (based in "c_RLC_InfoAM_Def") containing the correct default values for "max-RST" and "timerPoll" (see WA#RAB4253).
Source of change	New Change
Label	WA#RAB4256

C. C	ASN.1 Type Constraint Declaration
Constraint Name cb_RAB_Ints[JistAMI_No_Picp (p_ReEstTimer: Re_EstablishmentTimer, p_RAB_ist_BITSTRING) Comun	
Type Name Derivation Path	RAE_InformationSetupList
Comments	VXHIRAB4256
	WARRAG-4036
	ConstnantValue
<pre>th_Dormander in_Establishme k tb_informationSe tb_identitytoc_j pdcg_infs_OWIT nk_infoChoise: tb_MepsingInfs ul_LogicalCh ul_Trenspid logicalChain nkc_StarLiet mikc_LogicalCh d _LogicalCh d _LogicalCh d _Transpid l, d _LogicalCh</pre>	aff mer p_NeEstTimer  tupList()RE_informationSetupLint  RE20.  ,  tc_isto : c_RLC_inttAM_Def_PS,  (()RE_MappingOption  annetMapping: uneLogitualChannel ( thchannetType dist sec_UL_DCH1,  metidentity OMIT, configured NUUL, atChannetPriority 0  tannetMappingList    artherMappingList    artherMapping

#### 4.7 c\_RLC\_InfoAM\_Def\_PS (WA#RAB4253)

c\_RLC\_InfoAM\_Def\_PS Test step name In order to implementate a WA#RAB4254 a new constraint is needed. **Reason for change** Created a new constraint "c\_RLC\_InfoAM\_Def\_PS" (based in Summary of change "c\_RLC\_InfoAM\_Def") containing the correct default values for "max-RST" and "timerPoll". This constraint introduces another new constraint with the commented values for AM mode: "cb\_UL\_AM\_RLC\_rst4\_tp200" (see WA#RAB4252). New Change Source of change WA#RAB4253

Label

Construction of the second second	AGN.1 Type Constraint Declaration
Constraint Name: Onturn	e_RLC_Intrat_Der_PS
Type Name Derivation Path:	RLC_Into
Encoding Variation	
Comments	WMR/64253
1	Constrant Value
l ul_FILC_Mede ul_ dL_FILC_Mede dL I	AM_FLC_Mode:dt_UL_AM_FLC_mH_t0200. AM_FLC_Mode:dt_DL_AM_FLC

### 4.8 cb\_UL\_AM\_RLC\_rst4\_tp200 (WA#RAB4252)

Test step name	cb_UL_AM_RLC_rst4_tp200
Reason for change	In order to implementate a WA#RAB4253 a new constraint is needed.
Summary of change	Created a new constraint "cb_UL_AM_RLC_rst4_tp200" (based in "cb_UL_AM_RLC_rst4_tp200" ) containing the correct default values for "max-RST" and "timerPoll" for this configuration.
Source of change	New Change

Label WA#RAB4252

Construction of the second		ASN.1 Type Constraint Declaration
Constraint Name Onrup Type Name	ra_UL_AM_PLC_raik_b200 UL_AM_RLC_Made	
Encoding Variation Comments	WWRNB4252	
		Cimithant Value
tantmission/Wed ImerR97 tr500, mac_R87 tr500, mac_R87 tr500, mar_P0/Prohibit ImerPo/Prohibit ImerPo/Po/Poli pol_PDU oM/T, pol_DDU edu1, lastTranamission JotRetranomission JotRetranomission JotRetranomission	postaro necesaria addi, po200, PDU_PoHTRUE, onPDU_PoHTRUE, a, OMIT	

## 4.9 c\_DL\_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".
Source of change	New Change
Label	WA#RAB4090

2	ASN 1 Type Constraint Destaration
Constraint Name:	t_DL_khormatenPerRL(p_ScmbCode: PrmanScrambingCode; p_St SF512_AndCodeNumber; p_SecondaryScrambingCode : SecondaryScrambingCode )
Orosex	
Type Name:	DL_informationPerRit_List
Derivation Path:	
Encoding Variation	
Comments	WARRACID
1	Constraint Value
II mode8pocificity primaryCPICH_ pdoch_CodeMa I_ BCPICH_IntePo_DC pdoch_CodeMa I_ DPICH_Ureage spch_PremeOt - Actual value D - Actual value D - Actual value D - Actual value D secondaryCPIC dl_Charmelisab secondaryCPIC dl_Charmelisab secondaryCPIC dl_Combinato social spcfic deliterati diosed_codTen I, sccpch_intoreFa	NM3: ( Into OWIT, perg_OWIT HL NA1 ( FarChanneEist mayBeVised, sell (Bits_DewistDPCH_OffsetNaue*D12) (MOD DIRADI; r256), Offset= DefautDPCH-OffsetNaue*DD MOD 38403 PCH-FrameOffset = E value * 156 estuDPCH-OffsetNaue*DD = El value * 112 H_Ints OWIT, onCodeLetil ambingCode g, Secondae@BisamteringCode, Lumber p_St, ideChange indCodeChange nindex tsc_TPC_Combinatonindex, r0WT, ngAdMoze OWIT CH OWIT

## 5 Branches executed in test case 14.2.23b

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\_23b\_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\_23b-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\_23b\_PS-Ericsson-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- PICS/PIXIT file 14\_2\_23b-pics-pixit-Ericsson.html Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040068 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST		
<sup>ж</sup> ТS 34	.123-3 CR <sup>298</sup> <b>* rev</b> - <b>*</b> Current version: 3.4.0 <b>*</b>	
For <u>HELP</u> on usi	ng this form, see bottom of this page or look at the pop-up text over the $#$ symbols.	
Proposed change af	fects: UICC apps# ME Radio Access Network Core Network	
Title: % A	ddition of RAB test case 14.2.23c to RAB ATS V3.4.0	
Source: ೫ F	ohde & Schwarz	
Work item code: <mark>N</mark>	/A Date: 米 03/03/2004	
Category: #	B       Release: % R99         Ise one of the following categories:       Use one of the following releases:         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         retailed explanations of the above categories can       Rel-4       (Release 4)         e found in 3GPP TR 21.900.       Rel-5       (Release 5)         ** To add verified GCF package 3 RAB test case 14.2.23c to the approved RAB AT V3.4.0       V3.4.0         ** This document lists all changes applied to test case 14.2.23c required for approval.       See detailed change description for further information.	S
Consequences if not approved:	# Test case will not be added to ATS	
Clauses affected:	ж N/A	
Other specs affected:	Y       N         X       Other core specifications       %         X       Test specifications       %         X       O&M Specifications	
Other comments:	ж	

#### How to create CRs using this form:

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

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

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

### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

### T1s040069

Title:	Changes to test case 14.2.23c 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 14.2.23c 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_23c
Test Group:	RAB/CombinationOnDPCH/Interactive_Background/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 14.2.23c

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.23c run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.23c:

WA#RAB4014, WA#RAB4021, WA#RAB4030, WA#RAB4031, WA#RAB4040, WA#RAB4054, WA#RAB4055, WA#RAB4057, WA#RAB4058, WA#RAB4059, WA#RAB4060, WA#RAB4068, WA#RAB4091, WA#RAB4092, WA#RAB4095, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4178, WA#RAB4179. WA#RAB4190, WA#RAB4206, WA#RAB4209, WA#RAB4251, WA#RAB4254, WA#RAB4255, WA#RAB4257, WA#RAB4258, WA#RAB4261 and WA#RAB4262.

#### 4.2 c\_DL\_AddReconfTransChInfoListAM\_3\_4k (WA#RAB4043)

Test step name	c_DL_AddReconfTransChInfoListAM_3_4k
Reason for change	Wrong parameter used when setting up RAB20: according to the default values for the "Radio Bearer Set up" message in TS34.108 for the "Added or Reconfigured DL TrCH information" IE is "Same as UL" for tsc_DL_DCH5.
Summary of change	used c_DL_AddReconfTransChInfo(tsc_DL_DCH5, tsc_UL_DCH5)insead of {
	dl_TransportChannelType dch,
	dl_transportChannelIdentity tsc_DL_DCH5,
	tfs_SignallingMode explicit_config : dedicatedTransChTFS : c_DCH_148_TFS_UE_DL,

dch\_QualityTarget { bler\_QualityValue -20 }, dummy OMIT } New Change WA#RAB4043



### 4.3 c\_TFCS\_CmpI0\_To9\_Rx (WA#RAB4104)

Source of change

Label

Test step name	c_TFCS_Cmpl0_To9_Rx
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4104

E	ASN 1 Type Constraint Declaration
Constraint Name Group Type Name Derivation Path Encoding Variation Comments	z_TFCS_CmpH_To9_Fix TFCS TFCS information without a over offset information - for received
	Constraint Value
normalTFCL_Signal cht/Size die 4881 1 rtfr 4 8, powerOffsetinfor 1 cht 4 1, powerOffsetinfor 1 cht 4 2, powerOffsetinfor 1 cht 4 3, powerOffsetinfor 1 cht 4 4, powerOffsetinfor 1 cht 4 4,	Implem CMIT materia CMIT materia CMIT materia CMIT



# 4.4 c\_TFCS\_CmpI0\_To9\_Tx (WA#RAB4105)

Test step name	c_TFCS_Cmpl0_To9_Tx
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4105

Concernance of the second	ASN.1 Type Constraint Declaration						
Constraint Name	c_TFCB_CmpH0_Tx6_Tx (a_PowerOffsetInformation PowerOffsetInformation )						
Type hiame	pe Name: TFCS						
Derivation Path							
Comments:	TECS information with present offset information - for transmitter						
and in the second							
	VN#RABATIOS						
	Constraint Value						
cth:Bize cth:46it) i cth:4 0, powerOffisethrite k i cth:4 1, powerOffisethrite k i cth:4 2, powerOffisethrite k i cth:4 3, powerOffisethrite k i cth:4 4, powerOffisethrite k i cth:4 5, powerOffisethrite k	mation c_PowerOffsetintoComputed mation c_PowerOffsetintoComputed mation c_PowerOffsetintoComputed mation c_PowerOffsetintoComputed mation c_PowerOffsetintoComputed mation c_PowerOffsetintoComputed						

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powerOffsetimformation p_PowerOffsetimformation

istic4 9,

powerOffsetimformation p_PowerOffsetimformation
```

# 4.5 ts\_SendRB\_SetUpDCH\_32k\_PS1 (WA#RAB4210)

Test step name	ts_SendRB_SetUpDCH_32k_PS1
Reason for change	Wrong value for puncture limit.
Summary of change	Used "pl0_88" instead of "pl0_96".
Source of change	New Change
Label	WA#RAB4210

13			1	est Step	
Test	Step ki Step (4	roup Ref.	ts_BendRB_SHUpDCH_32k_P\$1 (p_CH8d INTEGER; p_RAB) NewTestStops/	d: BITSTRING; p_ActTime: ActivationTime)	
OBIO	L'BYR.		000 0.0		
Carr	mante		HHC_Dell		
			Oaksiaia Operativa	Assertant Det	Comment
22		In Contra	Senanciar Destingtion	COnstraint Nor	Comments
2		MTRLC_	M_DATA_RED	<pre>cas_RB_BetUpAM_WithCrit tsc_CellDedicated, tsc_RBC_RB_BetUpAM_WithCrit tsc_RBC_RB_BetUpA tsc_Mai, tsc_RBC_RB_BetUpA tsc_Mai, cell_DCH, CoMT, tsl_RAB_infaiJestAMI_Na_Ptics (</pre>	WARFAB4210 WARFAB4283
		mane o			
3.	A	M ? RLC.	AM_DATA_CHF	cav_AM_DataMu/Crr/(bx_Cel/Dedicated, tax_RB2, tox_Mu)	in the second se
4.	Co cb e)	+11_58_2 ommonin 2_UL_DP( )) +15_88_F	DCH_ModfymleradBiokg_32k_P8(p_Cellid, p_AdfTime, c_DL_ formationF8_SetUp (toc_Std64); CH_Info (tor_St02, pID_68, trv_TmpCellinfo.uL_ScramblingCod 7820_AM_PS_Ctp ( 320)		WARRAB421D
6	TSP FR	+ ts_RR( B)	C_ReceiveRB_SetupCmpi ( p_Cellil, cel_DCH_64kPS_R/B_B		-
Chata	died Cor	termant.			

## 4.6 ts\_RB\_SetUpRAB\_PS (WA#RAB4268)

Test step name	ts_RB_SetUpRAB_PS
Reason for change	TTCN error, the RAB id variable has not been updated. It must be passed the PS value (as constant) like in the rest of the cases.
Summary of change	Used tsc_RAB_DefPS instead of tcv_RAB_Id
Source of change	New Change
Label	WA#RAB4268

And some	A LOC A PROPERTY OF	7 Ets Diep	
Test B Test B Object Default	teo Id teo Group Ref te ta tertta	ts_R9_Serf.lsRAB_P5 (a_Cellid: INTEGER, p_R9_Type: R8_Type) R8_StepsR9_Configuration/ To setup a RADIO BEARER, for the configuration palven in p_R8_Type and to reconfigure the 88 accordingly. RRC_Dutt	
Nr	-	Behaviour Description	_ Comments
8	+ ts_Calcu	inteActTime ( a_Calld )	1.1.
87 88 09 90	HD_RB_Tvi +ts_Bend +ts_SetC HD_RB_Tvi	ve = interart_384k_2048k_20) OR (b_RB_Type = backgrid_384k_2048k_20)   RB_SetUpDCH_384k_2046kPS_20(p_Cellid_toc_RAB_DefPS_tov_ActTime.) eliCtg. (p_Cellid, cell_DCH_84kPS_R4B_SRB) ve = interact_32k_TC_400 OR (p_R6_Type = backgrid_32k_TC_40).)	
91	+ ts_Bend	RB_SetApDCH_32k_PS1 (p_Cellid, tox_RAB_DefPS, trv_AcfTime )	VIAMRAE4288
93	+ 15_S000	ercig (p_cellin, call_DCH_s44P3_PAB_SHB) e = interact 8k, CC_405 OR to RB Type = backgrid_8k, CC_4051	14.2.23at
94	+5s_Gend _CC >	RE_SHUDDON_BK_PB(p_CHIELSE_PAB_DHPS, BV_ARTIME, C_DON_336_TFE_23_UL_40_CC_UE p_DON_336_TFE_23_DL_40	
95	+ ts_SetC	eBCNg (p_Ceditd, set_DCH_84MPS_RAB_SRB)	Constant -
mr.	in the to-	a barred at the shirehow with the barrend he the shirt	44333.3

# 4.7 ts\_SS\_2DCH\_ModifyInteractBackg\_32k\_PS (WA#RAB4267)

Test step name	ts_SS_2DCH_ModifyInteractBackg_32k_PS
Reason for change	Wrong numberOfTbSizeList { zero : NULL, one : NULL, small : 2, small : 3, small : 4}, Should it benumberOfTbSizeList { zero : NULL, one : NULL}.
Summary of change	Used c_DCH_336_TFS_40_TC with the correct value instead of c_DCH_336_TFS_23_DL_40_TC.
Source of change	New Change
Label	WA#RAB4267

				Text stop		
Text Orași lui	H_EE_3DO E_C+RE IN E_AITEVE A_DE_CO E_UE_DFG	L Had White Starting 1506H, Index don Tona, White Roman Starting Light LL, SPCH, M	,336,96 ( 			
Text Ship Group Her Deletti Commanda	Ross M_300, IC confligure I refigire chiefe PERC_DIef1	Configuration, Stepped photocol Characet CPC Unied Solution attendation of	Hand context DCHI and DCH5 to the physical characteristic context III, 33 CL 33(b), 300	ofnammet, Para mana CCCCH1 - Kom le Bar CCH5 karnage na FTTTC	n daarnad and reap DT	CHOULDING TO USE DCH1 Garaged chame
The Part	- F	Label	Behavior Department	Carabard Pat	(WeetBell	Converds
1			DX_RXT+Hd CPHYCPHY_RL_Mush_RED	ca_DL_DPCH_Meditionto (g_Cellin, bic_ C4_DPCH_L1_DL_DPCH_Medition_3618		£

3	CPHY?CPHY_RL_Modity_CNF	Information, tx_TmpCellinto.dLD PCH_2hedSortCadeLp_ActTime) ca_RL_MonthsCnt(p_Cellis, tor_D L_DPCH1)	
4	CPHINCPHY_TICH_Config_REQ	ca_2_DCH_0_To9_DL_info (b_C elitid_tos_DL_DPCH1,c_TrChCe ntigTypeDCH_NaSHO, c_DCH_1 48_TFS_DL_C_DCH_336_TFS_4 0_TC_c_ProverOffsetint9Belov64 k_p_ActTime)	WANRAB 4267
6	CPHY?CPHY_TrCH_Config_CNF	ca_TrChCrgCnfp_Celld,tsc_DL	

# 4.8 ts\_SS\_2DCH\_ModifyInteractBackg\_32k\_PS (WA#RAB4212)

Test step name	ts_SS_2DCH_ModifyInteractBackg_32k_PS
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be before tsc_DL_DCH5.
Summary of change	Used c_TrLogMappingDL_4DCCH_1DTCH instead of c_TrLogMappingDL_2 as the first one states the right order.
Source of change	New Change
Label	WA#RAB4212

			57	fext Step			
Text Orași lil	H_EE_2DOH B_CHINI HIT B_AITING H B_HIL_COM F_UL_DFOH	_EE_200H_MedWheterEfeitig_316_P6 ( _CvERI_PITE00H, _ALTER#InboleFities, ELT_CommentAtionAdus, IIL_CommentAtionation, _UL_CPGH_Unit: 1L_SPOH_Mit					
Tect Disc Scoup Free Discovery Distantic Comments	Rosent III.0 Incompany a Instanctions MMC_0.047	Configuration_Steps topic of channel CPC Used Scratteractive	Hand connect DCH1 and DCH5 to the physical dis changes and / selectory 18, 33 (5, 3 Shipe, 3 live 1	ewel, Pen mai COCH1-4 or to Be DCH5 kanajor TI TC	if we will stall ready (CT	CHOURINGTO IS the DCHI framignet charac	
Tel .	1.11	Label	E Detaine Department	Carabard Pat	WHEN !!	Converds	
2			pc_RKT = fad CR4/nCR4/n_SL_muth_RE0	ca_DL_DPCH_Meditembly_Cellia_bit_ C4_DPCH_A_DL_DPCH_Medite_968		±.	
5			CPHY?CPHY_TICH_Config_CNF	ca_TrChCfgCnfp_Calld, tst_DL _DPCH1)			
6			CMAC I CMAC_Config_REG	ca_CMAC_Reconfighto (bit_Cal IDedicated, tot_DL_DPCH1, c_U E_inte (OMT, OMT), c_TrCHinto _DL_2_0Tut (c_DCH_140_TF0 _DL, c_DCH_336_TF8.40_TC,c _PowerOffsetintBelow6440, c_T1 LogMappingDL_4DCCH_1DTCH _P0_p_ActTitree)		WWWRAE4212	
7			CMAC 7 CMAC_Config_CNF	ca_CMAC_CfpCnRtsc_Cel/Dedic			

## 4.9 ts\_SendRB\_SetUpDCH\_32k\_PS1 (WA#RAB4263)

Test step name	ts_SendRB_SetUpDCH_32k_PS1
Reason for change	Wrong value for "re-EstablishmentTimer" according to the default values (TS 34.108). Should be used T315 (PS), not T314.
Summary of change	Used "useT315" instead of "c_ReEstTimerT314"
Source of change	New Change
Label	WA#RAB4263

A second to second s		Test Step	
Text Step 40 ts_SendFB_0 Text Step Group Ref. NewTextStep Objective Defaults PRC_Def1 Comments	зигирОСН_32%_РВ1 (р_Сойн: INTE sf	OER; p_RAB_III: BITSTRINO; p_ActTime : ActivationTime)	
	Dehaviour Description	ConstantRef	Cammenta
t + ts_SatTmpCalletto (p_1	2amd) 9	<pre>cas_H0_SH/USAM_WhitEnt( bit_CasDedicated, bit_R82, tst_M4, cs_HRC_H0_SH/USA ex_RRF_H0_H0_SH/USA ex_Calindinto.dl_integrityChecklint0; tst_RRC_T, b_ARTIme, csH_DCH, OWT, cb_RAB_intoListWM1_No_Filep ( useT315, g_R4B_H0, s_UL_CommonTrainsChintoListWM1(0_DCH_338_TF8_40_TC_UE), c_DL_CommonTrainsChintoListWM1(0_DCH_338_TF8_40_TC_UE), c_DL_CommonTrainsChintoListWM1(0_DCH_338_TF8_40_TC_UE), c_DL_CommonTrainsChintoListWM_3_sH0;c_DCH_336_TF8_40_T C_UE, c_DL_CommonTrainsChintoListWM_3_sH0;c_DCH_336_TF8_40_T c_UE, intermationPerfit, (tst_TmpCellinto pnflemiCode, isc_Sh64 (tst_TmpCellinto.dl_DPCH_3adScrCode), c_DL_CommonIntermationR8_SetUp((tst_Sh64), ct_UL_DPCH_into (tst_B003_B0, tst_TmpCellinto.ut_Baramtati rgCode) ' CMBT } </pre>	WARABA210

## 4.10 cb\_RAB\_InfoListAM1\_No\_Pdcp (WA#RAB4036)

Test step na	ame	cb_RAB_InfoListAM1_No_Pdcp	
Reason for change		RB 20 is configured to use TF of 336 bits.Therefore rlc_SizeIndex 2 must only be specified. When both { rlc_SizeIndex 1}, { rlc_SizeIndex 2} is used, this will allow RB 20 to use TF of 148 as well.	
Summary of change Use rlc_SizeList exp explicitList : { { rlc_SizeList exp		Use rlc_SizeList explicitList : { { rlc_SizeIndex 2} } instead of rlc_SizeList explicitList : { { rlc_SizeIndex 1}, { rlc_SizeIndex 2} }	
Source of change		New Change	
Label		WA#RAB4036	
6		ASN 1 Type Constraint Declaration	
Constaint Name	cb_RAB_InfoLi	sMM1_No_Pikp (p_ReEstTimer: Re_EstablishmentTimer; p_RAB_kt: 8/TSTRING)	
Type Name RAB_Informati		and-etup.List	
Encoding Variation:	with a second		
Comments	V04#RAB4256	AB4156	

WANTERAD40.26

Constraint Value

\_


#### 4.11 cb\_RAB\_InfoListAM1\_No\_Pdcp (WA#RAB4256)

Test step name	cb_RAB_InfoListAM1_No_Pdcp
Reason for change	Wrong values for "max-RST" and "timerPoll" according to the default values in TS34.108: max-RST is set to rst1 (should be rst4) timerPoll is set to tp400 (should be tp200)
Summary of change	Used a new constraint "c_RLC_InfoAM_Def_PS" (based in "c_RLC_InfoAM_Def") containing the correct default values for "max-RST" and "timerPoll" (see WA#RAB4253).
Source of change	New Change
Label	WA#RAB4256



### 4.12 c\_RLC\_InfoAM\_Def\_PS (WA#RAB4253)

Test step na	ame c_RLC_InfoAM_Def_PS					
Reason for change In order to implementate a WA#RAB4256 a new constraint is needed.						
Summary of change		Created a new constraint "c_RLC_InfoAM_Def_PS" (based in "c_RLC_InfoAM_Def") containing the correct default values for "max-RST" and "timerPoll".				
		This constraint introduces another new constraint with the commented values for AM mode: "cb_UL_AM_RLC_rst4_tp200" (see WA#RAB4252).				
Source of change New Cha		New Change				
Label		WA#RAB4253				
		ASN 1 Type Constraint Declaration				
Constraint Name Overup	L.RLC_HMAM_Def_FS					
Type Name Derivation Path:	RLC_Into					
Encoding Variation Comments	WWARKE4253					
		Constraint Value				
l ul_FR_C_Mede ul_/ dl_FR_C_Nede dl_/ J	AM_FILC_Mode i AM_FILC_Mode:	tt_UL_AM_FLC_mH_t0200, cb_DL_AM_FLC				

## 4.13 cb\_UL\_AM\_RLC\_rst4\_tp200 (WA#RAB4252)

Test step name	cb_UL_AM_RLC_rst4_tp200
Reason for change	In order to implementate a WA#RAB4253 a new constraint is needed.
Summary of change	Created a new constraint "cb_UL_AM_RLC_rst4_tp200" (based in "cb_UL_AM_RLC_rst4_tp200" ) containing the correct default values for "max-RST" and "timerPoll" for this configuration.
Source of change	New Change
Label	WA#RAB4252

AEN.1 Type Constraint Declaration		
Constraint Name Ontop	01_UL_AM_RLC_VH4_b200	
Type Name Derivation Path:	UL_AM_RLC_Mode	
Encoding Variation Comments	WM#R#84252	
1		Constraint Value
Constraint Value  teatomission/NeedowB2s tw126 teatomission/NeedowB2s tw126 teatomission/NeedowB2s tw126 teatomission/PDU_POI teatomission/PDU_POI TRUE, teatTheramission/PDU_POI TRUE, te		

# 4.14 c\_DL\_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".
Source of change	New Change
Label	WA#RAB4090

ASN 1 Type Constraint Declaration

Constraint Name:	t_DL_informationPerFL ( p_ScmbCode: PrimaryScramblingCode; p_St SF512_AndCodeNumber; p_SecondaryScramblingCode : SecondaryScramblingCode )
Ormar	The Family and Same
Type Name	DL InformationParRit List
Dematon Path	
Encoding Valuation	
Comments	WARAEADID
11	Cenetraint Value
II modelpesificity primaryCPICH_1 pdiath_SHO_DC pdiath_CodeMap 1, dL_DPCH_Unage apch_FrameOff - DPCH_FrameOff - Actual value D - Actual value	N3: ( ht ( primaryStramtkingCode #_StrmbCode ), H_Ush OMIT HL N3: ( ArrOnaneEst mayBeUsed, el () 0st_DetautDPCH-OtherWakue*512 ) MOO 384001 (256 ), Mool = DatatDPCH-OtherWakue*50 MOD 384001 PCH-FrameOthet = % value * 156 mutDPCH-OtherWakue*100 = El value * 512 Unit OMIT, moodeUst () mittingCode #_SecontaryStramtkingCode, mitter p_S, deChange noCodeChange index fst_TPC_CombinationIndex, OMIT, spAdMasce OHIT CH OMIT
Detailed Comment	

## 5 Branches executed in test case 14.2.23c

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\_23c\_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\_23-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\_23c\_PS-Ericsson-Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 14\_2\_23-pics-pixit-Ericsson.html** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040070 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

		CHAN	IGE REQ	UEST			CR-Form-v7
<sup>#</sup> TS	<mark>34.123-3</mark>	CR <sup>299</sup>	ж <b>геv</b>	- Ж	Current vers	<sup>ion:</sup> <b>3.4.0</b>	ж
For <u>HELP</u> on	using this fo	rm, see bottom	of this page or	ook at the	e pop-up text	over the  syı	nbols.
Proposed change affects: UICC apps # ME Radio Access Network Core Network							
Title:	# Addition of	RAB test case	14.2.14.1 to R/	AB ATS V	3.4.0		
Source:	₩ <mark>Rohde &amp; S</mark>	Schwarz					
Work item code:	ж <mark>N/A</mark>				<i>Date:</i> ೫	03/03/2004	
Category:	<b>B</b> Use <u>one</u> of <b>F</b> (cor <b>A</b> (col <b>B</b> (add <b>C</b> (fur <b>D</b> (edl Detailed ex be found in	the following cate rection) responds to a co dition of feature), actional modification planations of the 3GPP <u>TR 21.900</u>	egories: rrection in an ear ion of feature) n) above categories <u>)</u> .	<i>lier release</i> can	<b>Release: %</b> Use <u>one</u> of 2 (*) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	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: ¥	To add verified GCF package 3 RAB test case 14.2.14.1 to the approved RAB ATS V3.4.0
• • • •	
Summary of change: #	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 #	Y   N     X   Other core specifications   #

Other specs	ж	X	Other core specifications	ж	
affected:		Χ	Test specifications		
		Χ	O&M Specifications		
			-		
Other comments:	ж				

#### How to create CRs using this form:

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

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

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

### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

### T1s040055

Title:	Changes to test case 14.2.14.1 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 14.2.14.1 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_14_1
Test Group:	RAB/CombinationOnDPCH/Conversational_unknown/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 14.2.14.1

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.14.1 run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.14.1:

WA#RAB4017, WA#RAB4018, WA#RAB4021, WA#RAB4068, WA#RAB4098, WA#RAB4100, WA#RAB4104, WA#RAB4105, WA#RAB4106, WA#RAB4107, WA#RAB4108, WA#RAB4109, WA#RAB4110, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4113, WA#RAB4114, WA#RAB4116, WA#RAB4118, WA#RAB4119, WA#RAB4120, WA#RAB4122, WA#RAB4123, WA#RAB4124, WA#RAB4126, WA#RAB4127, WA#RAB4129, WA#RAB4130, WA#RAB4131, WA#RAB4132, WA#RAB4166, WA#RAB4180, WA#RAB4181, WA#RAB4182, WA#RAB4183, WA#RAB4184, WA#RAB4166, WA#RAB4187, WA#RAB4188, WA#RAB4182, WA#RAB4183, WA#RAB4184, WA#RAB4185, WA#RAB4187, WA#RAB4188, WA#RAB4189, WA#RAB4192, WA#RAB4193, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4206.

#### 4.2 c\_TFCS\_CmpI0\_To3\_Rx (WA#RAB4101)

Test step name	c_TFCS_Cmpl0_To3_Rx	
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Ra Bearer Set Up procedure.	
Summary of change	Used CTFC size set to 4 instead of 6.	
Source of change	New Change	
Label	WA#RAB4101	

For any recent recent	ASN.1 Type Constraint Declaration
Constraint Name Oriug	e_TFCB_Cmp8D_Te3_Re
Type Name Derivation Path	TFCS
Encoding Variation	TTO I I AND
Comments	I+CS Internation with power process internation - for transmitter
	WatRAB4101
	Constraint Value
normal/TFCL_Bigsat cttkSter.cttk4Bit( (1564.0, power08 (1564.1, power08 (1564.3, power08 (1564.3, power08 ) ]	ing: completion ( faethformation CMET ). faethformation CMET ). faethformation CMET )

## 4.3 c\_DCH\_640\_TFS\_20\_1\_UE\_WA (WA#RAB4121)

Test step name	c_DCH_640_TFS_20_1_UE_WA
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Created alternative constraint based in c_DCH_640_TFS_20_1_UE but using "allSizes : NULL" instead of "configured : NULL" for "logicalChannelList" for this constraint.
Source of change	New Change
Label	WA#RAB4121

Construction of the second	Admini y y be Constraint Declaration
Constraint Name Overup	L_DCH_648_TF8_28_1_U8_WA
Type Name Derivation Path:	DedicatedTransChTF8
Encoding Variation:	
Comments	transport formatiset for RAB subflow#1 on dedicated channel
	WA#R6E4121
	Constraint Value
L 11 10:00 1 ( HC_BOP HumberOffbBlac logkalChannel, 1) semislatic TF_Into channelCodingTy makMathingAthi Em_Sba crc16 )	ostefModeType1 : sizeType2 : (parti 11, part2 2), sList ( zero : NULL , one: NULL ), ist a#Bizos : NULL matios ( ipo furtio : NULL , ade 187,

# 4.4 ts\_SendRB\_SetUpConvUnknown\_32k\_20TTI (WA#RAB4121)

Test step name	ts_SendRB_SetUpConvUnknown_32k_20TTI	
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".	
Summary of change	Used new constraint "c_DCH_640_TFS_20_1_UE _WA" (see point 4.3) with the correct values instead of "c_DCH_640_TFS_20_1_UE"	

### Source of change

New Change

Label

WA#RAB4121

Gammana		Tes	t Step		
Test Step Id Test Step Group Ref. Objective Defauto Comments	In_SendRB_SetUp( RB_Steps/RB_Setu To solup a RADIO B RRC_Deft	ion/Unknown_32k_20TTI (p_Cellid: INTEGER af EARER for conversational 32k with TTI 20 and	p_RAB_Id GITSTRING, p_AcfTime (	ActivationTime (	
NE	Laber	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_BefTmpCellints (g_Cellid ) And FRLC_AM_DATA_REG	cas_RB_SetUpAM_WithCet(tsr_ CeliDericated,tsr_RB2,tsr_Mai (ca_RRC_RB_SetUpAM_tty_Celi Indinko.di_intagityChackinfo, tsr (_RRC_RB_SetUpAM_tty_Celi DCH_OMIT_c_RAG_InfoLiet TM_1(NetRefitTime.tsl), RAB_J0,UL_CommT rChintoTh(_D_TO3,UL_Add RecontTransChintbListTh(_1 is_ DCH_SetU_TRB_20_t_UE_WA), DCL_CommonTransChinfbSa meAsULCDL_AddRecontTra nsChintbListTM_T, _c_DL_Intor mationParRL_dov_TrepCalifietb.pr (BitmCode,tsr_StS4,kx_TmpC elithtb.id_DPCH_2ndSicrCode), ca Into_CommonterformationFdL_Set tbp (tsr_StS2,pl0_80,tx_Tmp Celifictb.id_ScrambingCode) OMIT_3)		tv, SpidFit+tx, Punitumit= > volues ? same for uplink an d downlink ? Freqinto ? WW#EMB4121
3		AM T RLC_AN_DATA_CNF	car_AW_DataMuCnf@sc_CelDe dx.dted_tsc_R92_tsc_Mu0		
4		+ to_20CH_ModifyConvUninoum (p_C eNd, p_ActTime, c_DL_Commontinoum attornRII_SetUp (tor_D004.), tb_UL_DP CH_into (tor_S132, pi0_80, tor_TimeCell Info.oL_BoxambingCode), c_DCH_648 _TF8_20_1_UE_WA, r_DCH_648_TF8_ 20_1_WA, tor_D0640			WWWFRAB4121
5 6	TBP	+ts_SS_RS10_TM_Ctg (640) +ts_RRC_ReceiveRB_SetupCmp1 (p C=Bid , c+k_DCH_64sC8_R48_SR8)			

## 4.5 c\_DCH\_640\_TFS\_20\_1\_WA (WA#RAB4165)

Test step name	c_DCH_640_TFS_20_1_WA
Reason for change	Wrong value for the "numberOfTbSizeList" IE. The list should be $\{0,1\}$ no $\{0,4\}$ .
Summary of change	Created alternative constraint based in c_DCH_640_TFS_20_1 but using "numberOfTbSizeList { zero : NULL , one : NULL }" instead of " numberOfTbSizeList { zero : NULL, small : 4 }"
Source of change	New Change
Label	WA#RAB4165

Second second	ASN.1 Type Constraint Declaration
Constraint Name Ontup	L_DCH_640_TFS_20_1_WA
Type Name Derivation Path: Encoding Variation	CommonOrDedx.aledTFS
Comments:	transport formatiset for RAB subflow#1 on dedicated channel
	Constraint Value
L th BOD ((th_Stre)) numberOffbision togk of Channell, 1λ semistatic TF_ields channelCodingTy rateMatchingAtht trt_Sba crc16 ) 3	640, sList ( pero: NULL, one : NULL ), .ist a#Bizos : NULL mation ( .po futto : NULL, .ude 187,

## 4.6 ts\_SendRB\_SetUpConvUnknown\_32k\_20TTI (WA#RAB4165)

Test step name	ts_SendRB_SetUpConvUnknown_32k_20TTI	
Reason for change	Wrong value for the "numberOfTbSizeList" IE. The list should be $\{0,1\}$ no $\{0,4\}$ .	
Summary of change	Used new constraint "c_DCH_640_TFS_20_1_WA" (see point 4.5) with the correct values instead of " c_DCH_640_TFS_20_1"	
Source of change	New Change	
Label	WA#RAB4165	

Same		Tes	t Step		
Test Step HE. Test Step Orsup Ref Objective Defoults Comments	ts_BendRB_SetUpConvUnknown_32k_20TTI (p_Cettet INTEGER; p_RAB_)(E_BITSTRING; p_ActTime: ActivationTime.) ef. RB_Steps/RB_Setup To setup a RADIO DEARCER for conversational 32k with: TTI 26 and to reconfigure the SS accordingly RRC_Dett]				
Nr.	Label	Behaviour Description	Constraint Ref	Verdict	Comments.
1	1	+to ReffreeCollette ( n. Collette		1000	
3		AM TRUC, AN, DATA, CNF	car_AM_DataMaCnt@cc_CellDe dicated, tsc_RB2, tsc_Ma0		
6		+ bi_2DCH_ModifyCenvUnknisken (p_C allNi, p_ActTime, c_DL_Commoninform attorRB_SetUp (tsc_Std54), cb_UL_DP CH_inth (tsc_Std2, pl0,86, tsr_TmpCell info al_SciamblingCod4), c_DCH_640_TF8_ 2D_1_VK4, tsc_Str64) +to 88 RP816 TM_Ctb_(540)			WARRAD 4121
0	TBP	+ ts_RRC_ReceiveRB_SetupCmp1(p _Cellid , set_DCH_64eC8_RAB_SR6)			

### 4.7 c\_UL\_CommTrChInfoTM\_0\_To3 (WA#RAB4128)

Test step name	c_UL_CommTrChInfoTM_0_To3	
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.	

Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4128

S. married	ASN.1 Type Constraint Declaration
Constraint Name:	r_UL_CommTrChinfoTM_0_To3
Type Name Damaten Pate	UL_CommonTransChints
Encoding Variation	Veramina Red 1 10
Cartanana	V0.481404.280
	Constraint Value
princh_TFCS OMT mude Baecificinti ul_TFCS normal cft/Size cft/4Bit ffCS normal cft/Size cft/4Bit ffCS normal cft/Size cft/4Bit ffCS normal ffC fize fi normal ffCS normal ffCS normal ffCS fize fi powerOffset fi ffCS fize fi ffCS normal ffCS normal ffCS normal fi ffCS normal ffCS nor	f, fest   ffCL_Bigsalling.complete.( ; nformation.c_PowerOffsetinfoCumputed nformation.c_PowerOffsetinfoCumputed nformation.c_PowerOffsetinfoCumputed

# 4.8 c\_UL\_CommTrChInfoTM\_0\_To3 (WA#RAB4269)

Test step name c_UL_CommTrChInfoTM_0_To3	
Reason for change Default value for tfc-Subset IE is OMIT according with TS3	
Summary of change	Used tfc_Subset OMIT instead of
	tfc_Subset allowedTFC_List :{
	0,1, 2, 3,4, 5
	}
Source of change	New Change
Label	WA#RAB4269

Service and the service of the servi	ASN.1 Type Constraint Declaration
Constraint Name Overup	E_UL_CommfrCaIntofM_0_To3
Type Name Demotion Path:	UL_CommonTransChinds
Encoding Variation:	
Comments	WM#R#B4128
	WA#R/84369



## 4.9 c\_DL\_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".
Source of change	New Change
Label	WA#RAB4090

Constraint Name 2_DL_informationPerRL ( p_SkrmbCode: PrimarySkrambtingCode; p_St SF512_AndCodeNumber; p_SecondarySkrambtingCode : SecondarySkramb ) Orougi Type Name DL_informationPerRL_List Daniation Comptraint VeraitAblicitio ConstraintValue (	2	ASN 1 Type Constraint Declaration
Type Name DL_InformationPerRi_List Deniation Path Encoding Variation Constraint Value	Constraint Name:	t_DL_informationPerRL ( p_0cmbCode: PrmanScramblingCode; p_0f SF512_AndCodeNumber; p_SecondaryScramblingCode : SecondaryScramblingCode )
	Unostr	Dr. Schemater Barther Link
Encoding Variation Comments WA#RAE4030 Constraint Value II mode@polificinfo fod: ( 	Type Name:	nr"uumaanaaukaus"") na
Comments WARRADIODO Constraint Value II mode@pointicinfo tod: (     primaryCPICH_intro ( primaryScramblingCode a. ScrimbCode ),	Demograph Pall	
Constraint Value Constraint Value II modeSpecificinfo tod: ( primaryCPICH_intro (primaryScramblingCode a. ScrmbCode ),	Comments	WE WE AT A TRACK
Constraint Value II modeSpecificinfo tad: ( primaryCPICH_into (primaryScramblingCode a, ScribCode ),	Cartanana	
II modeSpacificinfo tad: ( primaryCPICH_into ( primaryScramblingCode a. ScrimbCode ),		Constant value
<pre>pdssh_BHO_DOH_ints OWT, pdssh_BHO_DOH_intsParRL 832 ( pOPCH_UtsperFarChanneEst mayBeUsed, mpch_FrameOffset1(dss_DetautDPCH_OffsetAstueFDD MOD 38408 - Actual value DPCH+FrameOffset1 = E value * 156 - Actual value DPCH+FrameOffset1 = E value * 152 secontaryCPICH_ints OWT, B_CharnelisationCodeLatt) secontarySprambingCode _ SecontaryBinambingCode, st_AndCodeNumber 6_SR, strambingCodeChange noCodeChange II, http:_ComtinationIndex tst_TPC_ComtinationIndex, asdi_Cetitizently OWT, intosed_cogTimingAdMease OWT }, secont_IntoreFACH OWT</pre>	modelpoint into primaryCPICH pdateh_SHO_DC pdateh_CodeMa IL	<pre>Story {     Intra-StramblingCode #_StrmbCode  ,     SH_INS OWT,     getrg OWT  iffLSb: {     farChanneEst.mayEeUsed,     farChanneEst.mayEeUsed,     forStor_OstautDPCH_OffsetValue*512 ) MOD 38408     PCH+FrameOffset=E value * 356     stautDPCH-OffsetValueFDD MOD 38408     PCH+FrameOffset=E value * 156     stautDPCH-OffsetValueFDD = E value * 512     H_Into OWT,     oncodeLatil     ambingCode #_Storniastonindex,     yowt,     indectse_TPC_Combinationindex,     yowt,     ingAdMase OWT      store T     store T </pre>

## 5 Branches executed in test case 14.2.14.1

The test case implementation executed the CS 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\_14\_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\_14\_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\_14\_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\_14\_1-pics-pixit-Ericsson.html Text file containing all PICS/PIXIT parameters used for testing.

### 7 References

#### [1] T1s040056 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST		
<sup>ж</sup> ТS 34	<mark>Ⅰ.123-3</mark> CR <mark>300</mark> ⋇re	ev - * Current version: <b>3.4.0</b> *
For <u>HELP</u> on usi	ing this form, see bottom of this page	e or look at the pop-up text over the X symbols.
Proposed change af	ffects: UICC apps# MI	E Radio Access Network Core Network
Title: # /	Addition of RAB test case 14.2.14.2	to RAB ATS V3.4.0
Source: ೫ F	Rohde & Schwarz	
Work item code: 🕱 📘	N/A	<b>Date:</b> ೫ <mark>03/03/2004</mark>
Category: #	<ul> <li>B</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an B (addition of feature),</li> <li>C (functional modification of feature D (editorial modification))</li> <li>Detailed explanations of the above categore found in 3GPP <u>TR 21.900</u>.</li> <li><b>%</b> To add verified GCF package 3 ATS V3.4.0</li> <li><b>%</b> This document lists all changes approval.</li> <li>See detailed change description</li> </ul>	Release: %       R99         Use one of the following releases:       2         2       (GSM Phase 2)         n earlier release)       R96         R97       (Release 1996)         R97       (Release 1997)         e)       R98         R99       (Release 1998)         R99       (Release 1999)         gories can       Rel-4         Rel-5       (Release 5)         Rel-6       (Release 6)
Consequences if not approved:	<b>%</b> Test case will not be added to A	ITS
Clauses affected: Other specs affected:	%       N/A         %       X         %       X         X       Other core specifications         X       Test specifications         X       O&M Specifications	5 ¥
Other comments:	Ж	

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

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

### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

### T1s040057

Title:	Changes to test case 14.2.14.2 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

### **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.14.2 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_2_14_2
Test Group:	RAB/CombinationOnDPCH/Conversational_unknown/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 14.2.14.2

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.14.2 run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.14.2:

WA#RAB4017, WA#RAB4018, WA#RAB4021, WA#RAB4068, WA#RAB4098, WA#RAB4100, WA#RAB4104, WA#RAB4105, WA#RAB4106, WA#RAB4107, WA#RAB4109, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4113, WA#RAB4114, WA#RAB4116, WA#RAB4118, WA#RAB4119, WA#RAB4120, WA#RAB4121, WA#RAB4123, WA#RAB4124, WA#RAB4126, WA#RAB4127, WA#RAB4129, WA#RAB4130, WA#RAB4131, WA#RAB4132, WA#RAB4165, WA#RAB4166, WA#RAB4180, WA#RAB4181, WA#RAB4182, WA#RAB4133, WA#RAB4184, WA#RAB4165, WA#RAB4165, WA#RAB4166, WA#RAB4187, WA#RAB4188, WA#RAB4189, WA#RAB4191, WA#RAB4192, WA#RAB4185, WA#RAB4187, WA#RAB4188, WA#RAB4189, WA#RAB4191, WA#RAB4192, WA#RAB4193, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4204, WA#RAB4205 and WA#RAB4206.

#### 4.2 c\_TFCS\_CmpI0\_To3\_Rx (WA#RAB4101)

Test step name	c_TFCS_Cmpl0_To3_Rx
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4101

For any recent recent	ASN.1 Type Constraint Declaration
Constraint Name Ottug	e_TFCE_CmpID_Tad_Rs
Type Name Derivation Path	TFCS
Encoding Variation:	
Comments	IFCS internation with power processing and an annual services
	WarRaB4101
	Constraint Value
normal/FCL_Bigsat cttxSze.cttx48tt) (1264.0, power08 (1264.1, power08 (1264.3, power08 (1264.3, power08 ) )	Brigt completion ( faethformation CMET ), faethformation CMET ), faethformation CMET )

## 4.3 c\_DCH\_640\_TFS\_40\_2\_WA (WA#RAB4108)

Test step name	c_DCH_640_TFS_40_2_WA
Reason for change	Wrong rate matching value.
Summary of change	Created alternative constraint based in c_DCH_640_TFS_40_2 but using 187 instead of 172 for "rateMatchingAttribute" IE.
Source of change	New Change
Label	WA#RAB4108

ASN.1 Type Constraint Declaration			
Constraint Name Group	c_DCH_840_TF8_40_2_WA		
Type Name Derivation Path	CommonOrDedicatedTF 8		
Encoding Variation Comments	transport format set for RAB subificially on dedicated channel		
	WARRAB4109		
	Constraint Value		
th 1940 1( tbBaxe 640, numberOfTbSizeList(zero: NULL, small: 2), logicalChannelList allSizes: NULL IL secretableTF_anormation ( channelCodingType tarbo: NULL, razeMatchingAtribute 187, crr, Size inc16			

### 4.4 ts\_SendRB\_SetUpConvUnknown\_32k\_40TTI (WA#RAB4108)

Test step name	ts_SendRB_SetUpConvUnknown_32k_40TTI
Reason for change	Wrong rate matching value.
Summary of change	Used new constraint "c_DCH_640_TFS_40_2_WA" (see point 4.3) with the correct values instead of "c_DCH_640_TFS_40_2".
Source of change	New Change
Label	WA#RAB4108

8		Tes	t Step		
Test Step Nt Test Step Group Rof Objective Defaults Comments	ts_SendRB_SetUp/ RB_SteporRB_Setu To setup a RADIO B RRC_Dett	ConvUnknown_32k_40TTI (p_Cellid: INTEGER p/ EARER for conversational 32k with TTI 40 and	a_RAB_id : BITSTRNAG, p_ActTime : Its reconfigure the SS accordingly	Activation Time (	
Ne	Label	Behaviour Description	Constraint Ref	Werdict	Commenta
		1.4.4	1000000 M	00000	
			(OMIT))		
3		AM T RLC_AN_DATA_CNF	ciet_AM_DataMutCrif (tuc_CetIDe dicated; tsc_RB2; tsc_Mul)		
4.		+ ts_20CH_ModifyCenvUninown tp_C eHid, p_ActFime, c_DL_Commoninform attorRB_SetUp (tsc_SH04.), cb_UL_DP CH_info (tsc_SH22, pi0_00, tsc_TmpCell info.uL_StrambingCeds), c_DCH_640_TFB UTFB_40_2_UE_VM, c_DCH_640_TFB 40_2_VM, tsc_Sh54)			WARRAB4122
6		+ts_88_R810_TM_Ctg (640)			
é	TSP	+ to_RRC_ReceiveRB_SetupCmp1(p			

# 4.5 c\_DCH\_640\_TFS\_40\_2\_UE\_WA (WA#RAB4122)

Test step name	c_DCH_640_TFS_40_2_UE_WA
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Created alternative constraint based in c_DCH_640_TFS_40_2 but using "allSizes : NULL" instead of "configured : NULL" for "logicalChannelList" for this constraint.
Source of change	New Change
Label	WA#RAB4122
	ASN 1 Type Constraint Declaration

the large state in the large state in the second state of the seco	
Constraint Name: Ormap	4_DCH_640_TFS_40_3_U8_WA
Type Name Derivation Path	Dedicates/TransChTFE
Encoding Variation	
Cominents	11870/04122
	Constraint Value
IIIIMO ((Int_Gee ontetModeTypeT (IstoType2) (sant) T1, part2 2), numberOTDSS2sList(zero: NULL_ornall 3), logical/ChanneList a8Stzes: NULL I semistatoCTF_information ( thiannaiCodingType butto: NULL_, rateMatchingAbibuto 187, trg_Sem crc10	

## 4.6 ts\_SendRB\_SetUpConvUnknown\_32k\_40TTI (WA#RAB4122)

Test step name	ts_SendRB_SetUpConvUnknown_32k_40TTI
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Used new constraint "c_DCH_640_TFS_40_2_UE_WA" (see point 4.5) with the correct values instead of "c_DCH_640_TFS_40_2_UE"
Source of change	New Change

Label WA#RAB4122

		Tes	t Step		
Test Blep nd Test Blep Oroup Ref Objective Defaults Comments	est Bispits Is_SendRB_SetUpConvUniencent_32k_40TTI (p_Cellid: INTEGER; p_RAB_id: BITSTRINO; p_ActTime : ActivationTime ) est Disp Droup Ref R0_Bisportil_Setup bisective To setup a RADIO BEARER for conversational 32k with TTI 48 and to reconfigure the 88 accordingly ensures RRC_Defi				
NP 1	Label	Behaviour Description	Constraint Ref	Verdict.	Comments
1		+ ts_SetTmpCallints (p_Cellid ) AMIRLC_AM_DATA_REO	sas_RB_SetJuAM_WithCrititoc_ CeliDedicated, toc_RE2, toc_Mai _cs_RRC_RB_SetJup(_toc_RC] indtribut_Wiegt%Checktrite, to v_RRC_TI, g_ActTime, tel_DCH_OWT, c_RAI_infoLintTMT_Seg_Failer ( c_RAI_infoLintTMT_Seg_Failer ( c_		trv_BandFit - trv_PancLimit = * values ? same for uplink an d downink ? Freqints ? vvvuFixE4122
3		AM ? RLC_AM_DATA_CNF	car_AM_DetaMuiCnf (bx_CeliDe dicated, tax, RB2, fat, Mub		
4		+ ts_2DCH_ModifyCorwUniatown (p_C elitit, p_AcfTime, c_DL_Commonistorm atomR8_SetUp (tsc_SN64), cb_UL_DP CH_Inits (tsc_SN27, p0, p0, bv/TmpCell Htb.ut_ScreenbingCode), c_DCH_540 _TT8_40_2_UE_VM, c_DCH_640_TF8 _40_2_VM, tsc_SN54)			WARABA108
5 8	TSP	+ts_SS_RE10_TM_Ctg (640) + ts_RRC_ReceiveRII_SetupCropi (p) Catego cat DCH 644CS ReB SRE5			

### 4.7 c\_UL\_CommTrChInfoTM\_0\_To3 (WA#RAB4128)

Test step name	c_UL_CommTrChInfoTM_0_To3
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.

Source of change	New Change

Label WA#RAB4128

C. Lawrence	ASN 1 Type Constraint Declaration
Constraint Name Oroup Type Name Derivation Path Encoding Variation	L_UL_CommTrChinfoTM_0_To3 UL_CommonTransChinfo
Cammenta	WARRAB4128
	WWWRAR42E9
	Consbart/Value
prach_TFCS OMT mude Brecklonk ul_TFCS normal chtSize cht4Bit f cht4 0, powerOftedr 1 cht4 1, powerOftedr 1 cht4 2, powerOftedr 1, f th4 3, powerOftedr 1, f th4 3, powerOftedr 1, f th4 3, f f 1, f f f f f f f f f f f f f f f f	T, rest ; rest ; rfC(_Bighallang.complete.( rformation.c_PowerOffsethrfoComputed rformation.c_PowerOffsethrfoComputed rformation.c_PowerOffsethrfoComputed

### 4.8 c\_UL\_CommTrChInfoTM\_0\_To3 (WA#RAB4269)

Test step name	c_UL_CommTrChInfoTM_0_To3
Reason for change	Default value for tfc-Subset IE is OMIT according with TS34.108.
Summary of change	Used tfc_Subset OMIT instead of
	tfc_Subset allowedTFC_List :{
	0,1, 2, 3,4, 5
	}
Source of change	New Change
Label	WA#RAB4269

Concernance of the second	ASN.1 Type Constraint Declaration
Constraint Name Overup	e_UL_CommTrChindoTM_0_Ta3
Type Name Derivation Path:	UL_CommonTransCHrdb
Encoding Variation Comments	WW#RAB#128
	WATRABA169
<u>a</u>	Constraint Value
the _Bubbert OMT, prach_TFCS OMT mulds Baeetficinfi uL_TFCS hormal eth Sila eth 4Bit the Sila eth 4Bit f eth 4 0, powerOfficetir h f eth 4 1, powerOfficetir h f eth 4 3, powerOfficetir h f f f f f f f f f f f f f f f f f f	f, TTCL_Signaling_complete_{

## 4.9 c\_DL\_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".
Source of change	New Change
Label	WA#RAB4090

2	ASN 1 Type Constraint Declaration
Constraint Name:	c_DL_httomationPerRL ( p_5cmbCode: PrmanStramblingCode, p_8f 8F512_AndCodeNumber, p_8econdaryScramblingCode : SecondaryScramblingCode )
Orosex	
Type Name:	DL_informationPerRi_List
Darivation Path:	
Encoding Variation	
Comments	WARRADADD
	Constraint Value
modeSpecificities primaryCPICH pdush_SHO_DC pdush_SHO_DC pdush_SHO_DC pdush_CodeMa I U_DPCH_Interper - Actual value D - Act	<pre>Md() mb(pittaryStramblingCode s_StrmbCode ), pt_pers OWT  diLSs1 ( farChanneEistmayBeUsed,</pre>

## 5 Branches executed in test case 14.2.14.2

The test case implementation executed the CS 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\_14\_2\_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\_14\_2-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\_14\_2\_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\_14\_2-pics-pixit-Ericsson.html Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040058 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

		CHANG	E REQ	UEST		Ci	R-Form-v7
* TS 3	<mark>84.123-3</mark>	CR <sup>301</sup>	ж rev	- * (	Current vers	<sup>ion:</sup> <b>3.4.0</b>	Ħ
For <u>HELP</u> on u	ising this fo	rm, see bottom of	this page or	ook at the	pop-up text	over the # symb	ools.
Proposed change	affects:	UICC apps#	ME	Radio Aco	cess Networ	k Core Netv	vork
Title: ೫	Addition o	f RAB test case 14	.2.15 to RAE	BATS V3.4	.0		
Source: #	Rohde & S	Schwarz					
Work item code: ೫	N/A				Date: ೫	03/03/2004	
Category: ℜ Reason for change	B Use <u>one</u> of F (con A (co B (ad C (fur D (ed Detailed ex be found in e: <b>%</b> To ac V3.4.	the following catego rrection) rresponds to a correc dition of feature), nctional modification itorial modification) splanations of the abo 3GPP <u>TR 21.900</u> .	ries: ction in an ear of feature) ove categories ckage 3 RAE	<i>lier release)</i> can <mark>3 test case</mark>	Release: # Use <u>one</u> of 2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	R99 the following releas (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) he approved RAB	ses: 3 ATS
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Other comments:	ж						

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

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

### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

### T1s040059

Title:	Changes to test case 14.2.15 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 14.2.15 which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

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### **3** Verification Test Summary

Test Case:	TC_14_2_15
Test Group:	RAB/CombinationOnDPCH/Streaming_unknown/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

### 4 Corrections required for test case 14.2.15

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.15 run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.15:

WA#RAB4017, WA#RAB4018, WA#RAB4021, WA#RAB4068, WA#RAB4098, WA#RAB4100, WA#RAB4104, WA#RAB4105, WA#RAB4106, WA#RAB4107, WA#RAB4108, WA#RAB4109, WA#RAB4110, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4113, WA#RAB4114, WA#RAB4116, WA#RAB4118, WA#RAB4120, WA#RAB4121, WA#RAB4122, WA#RAB4123, WA#RAB4124, WA#RAB4126, WA#RAB4127, WA#RAB4129, WA#RAB4130, WA#RAB4131, WA#RAB4132, WA#RAB4166, WA#RAB4166, WA#RAB4181, WA#RAB4181, WA#RAB4182, WA#RAB4165, WA#RAB4166, WA#RAB4180, WA#RAB4181, WA#RAB4182, WA#RAB4183, WA#RAB4165, WA#RAB4185, WA#RAB4187, WA#RAB4188, WA#RAB4189, WA#RAB4191, WA#RAB4192, WA#RAB4193, WA#RAB4194, WA#RAB4185, WA#RAB4196, WA#RAB4197, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4199, WA#RAB4206.

#### 4.2 c\_DCH\_576\_TFS\_2\_UE\_WA (WA#RAB4119)

Test step name	c_DCH_576_TFS_2_UE_WA
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Created alternative constraint based in "c_DCH_576_TFS_2_UE" but using "allSizes : NULL" instead of "configured : NULL" for "logicalChannelList" for this constraint.
Source of change	New Change
Label	WA#RAB4119

ASN.1 Type Constraint Declaration		
Constraint Name Group	C_DCH_576_TF8_2_UE_VM	
Type Nome Derivation Path	DesistatedTransCnTFS	
Commenta	transport format sel for transport channel used in Elivearrang/UnincivinUL.14.4 DL.14.4kbps	
	WARADITS	
	Constraint Value	
III IS40 (( rk_Size ectebloadeType1 ) addType2 (part 0, part2 2), numberOfTbSizeList ( zero : NULL, one : NULL), legralCheminiList allites : NULL II semistatxTF_information ( channelCodingType turbo: NULL, rateMathingAtribute 185, crr_Size ter 16 1		

# 4.3 ts\_RB\_SendRB\_SetUpStreamUnknown14\_4k (WA#RAB4119)

Test step name	ts_RB_SendRB_SetUpStreamUnknown14_4k
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Used new constraint "c_DCH_576_TFS_2_UE_WA" (see point 4.2) with the correct values instead of "c_DCH_576_TFS_2_UE"
Source of change	New Change
Label	WA#RAB4119

Sector to the sector se	And a state of the second	Test Step	
Test Step M Test Step Group Re Objactive Defaulta Commenta	ts_RB_SendRB_BetUpStreamUnknown14_4k (p_ # RRCN_Steps/ To setup a RADIO BEARER for streaming unknown RRC_Deft	CwExt INTEGER; p_RAB_id : BITSTRING; p_ActTime : ActivationTime ) nf 4.4 and to reconfigure the SS accordingly	
	Bahaviour Description	Constraint Ref	Commento
1 + ts_SetTm 2 AMTRLC_	WCellinfo (p_Cellid) AM_DATA_REC	<pre>cas_RB_SetUpAM_wethCml; ttc,CetUpationed, ttc,CetUpationed, ttc,RB2, ttc,Mu, cs_RRC_RB_SetUp( cs_trieptr/Checkbolit, tox_RRC_T(, p_ActTime, etH_DCH ttr_TmpCetInto.ftequencytrite, c_RAB_trimulatTM_1( c_RAB_tImulatTM_1( c_RAB_tImulatTM_1( c_RAB_tImulatTM_1( c_RAB_tImulatTM_1, c_UC_commTrChintoTM_0_To3, c_UL_addTieconfTransChintoListTM_1 (_DCH_576_TF8_2_UE_VN), c_DL_addTieconfTransChintoListTM_1, (_DCH_576_TF8_2_UE_VN), c_DL_addTieconfTransChintoListTM_1, c_DL_addReconfTransChintoListTM_1, c_DL_informationPerfB_00tH_1, c_DL_CommonitormationRB_SetUp (tsc_Btt128_8), tb_U_DPCH_into (tsc_Btt, pD_58, ts_TmpCattimto_aL_StransbingCode), c_RB_AffectedBistSRB_DCH } </pre>	WW#FiAB4118
3 AM 7 RLC	_AM_DATA_CNF	car_AM_DataMaCnf@sc_CellDedicated, tsc_R82, tsc_Mu0	

### 4.4 c\_TFCS\_CmpI0\_To3\_Rx (WA#RAB4101)

Test step name	c_TFCS_Cmpl0_To3_Rx
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4101

ASN.1 Type Constraint Declaration		
Constraint Name Ontug Type Name Derivation Path	s_TFCS_CmpID_Te3_Rs TFCS	
Encoding Variation Comments	TFCS information with power offset information - for transmitter (wwwRAB4101	
	Constraint/Value	
ormaITFCL_Bigsatikig: complete: ( cttkSep sitk48kt) ( cttk40, powerOffsatinformation OMTT_L ( cttk41, powerOffsatinformation OMTT_L ( cttk42, powerOffsatinformation OMTT_L ( cttk42, powerOffsatinformation OMT) ]		

### 4.5 c\_UL\_CommTrChInfoTM\_0\_To3 (WA#RAB4128)

Test step namec\_UL\_CommTrChInfoTM\_0\_To3Reason for changeWrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio<br/>Bearer Set Up procedure.Summary of changeUsed CTFC size set to 4 instead of 6.Source of changeNew ChangeLabelWA#RAB4128

S. martine	ASN.1 Type Constraint Declaration
Constraint Name Oroup Typo Name Derivation Path Encoding Variation Commenta	<_UL_CommTrChindoTM_0_To3 UL_CommonTransChinto
	VX4#0484128



### 4.6 c\_UL\_CommTrChInfoTM\_0\_To3 (WA#RAB4269)

Test step name	c_UL_CommTrChInfoTM_0_To3				
Reason for change	Default value for tfc-Subset IE is OMIT according with TS34.108.				
Summary of change	Used tfc_Subset OMIT instead of				
	tfc_Subset allowedTFC_List :{				
	0,1, 2, 3,4, 5				
	}				
Source of change	New Change				
Label	WA#RAB4269				

AEN.1 Type Constraint Declaration					
Construent Name Onsup Type Name Derivation Path Encoding Variation Comments	E_UL_CommTrChintoTM_0_To3				
	UL_CommonTransCHirds				
	WM#RAB4128				
	WA#RAB4269				



## 4.7 c\_DL\_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL				
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".				
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".				
Source of change	New Change				
Label	WA#RAB4090				

Constraint Name: ±_DL, ) Orosp: Type Name: DL_IF	_hformationPerRL ( p_ScmbCode: PrimaryScramblingCode; p_St SF5t 2_AndCodeTournser; p_SecondaryScramblingCode : SecondaryScramblingCode
Orosp: Type Name: DL_II	
Type Name: UL_F	
Portstonday, Burds	Appunger And Parts They are
Encoders Watcher	
Comments Water	RAG #030
	Constraint Value
11	
primaryCPICH_thtp (p pdath_SHO_DCH_tht) pdath_CodeMapping ( ), ul_DPCH_intxParHL to: pCPICH_UsageForth apch_Transoffbate - Actual value DPCHF - Actual value	InterspreamblingCode s_ScrmbCode ), s OWT 4.1 anneEstmayBeUsed, Ist_DetwarDPCH_OffsetWaker*512) WOO 384001 (256), > DetwarDPCH_OffsetWaker*512 SPCH-OffsetWaker*512 SPCH-OffsetWaker*512 OMT, HeLetil gCode s_SecondaryBinamblingCode, (p_St, inge roCodeChange Itst_TPC_Combinatonindex, Mase OMT #T

## 5 Branches executed in test case 14.2.15

The test case implementation executed the CS 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\_15\_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\_15-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\_15\_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\_15-pics-pixit-Ericsson.html** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040060 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST									
* TS 3	<mark>4.123-3</mark>	CR 302	жrev	- # (	Current vers	<sup>ion:</sup> 3.4.0	ж		
For <b><u>HELP</u></b> on using this form, see bottom of this page or look at the pop-up text over the $#$ symbols.									
Proposed change affects:       UICC apps       ME       Radio Access Network       Core Network									
Title: ж	Addition of	RAB test case 14.	2.16 to RAE	BATS V3.4	1.0				
Source: ೫	Rohde & S	chwarz							
Work item code: %	N/A				Date: ೫	03/03/2004			
Category: ⊮	B Use <u>one</u> of F (cor A (cor B (add C (fun D (edi Detailed ex be found in	the following categori rection) responds to a correct dition of feature), ctional modification c torial modification) planations of the abor 3GPP <u>TR 21.900</u> .	ies: tion in an ean of feature) ve categories	<i>lier release)</i> can	Release: % Use <u>one</u> of 2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	R99 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1999) (Release 4) (Release 5) (Release 6)	ases:		
Reason for change	e: ೫ <mark>To ad</mark> V3.4.(	d verified GCF pac	kage 3 RAE	test case	14.2.16 to t	he approved R/	AB ATS		
Summary of chang	ge: # This of See of	locument lists all ch etailed change des	nanges appl scription for t	ied to test further info	case 14.2.1 prmation.	6 required for a	pproval.		
Consequences if not approved:	# Test of	case will not be add	led to ATS						
Clauses affected:	₩ <mark>N/A</mark> ¥ N	Other core specifi	ications	¥					
affected:	x X X	Test specification O&M Specificatio	s ns	00					
Other comments:	ж								

#### How to create CRs using this form:

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

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

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.
### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

### T1s040061

Title:	Changes to test case 14.2.16 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 14.2.16 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_16
Test Group:	RAB/CombinationOnDPCH/Streaming_unknown/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 14.2.16

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.16 run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.16:

WA#RAB4017, WA#RAB4018, WA#RAB4021, WA#RAB4068, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4104, WA#RAB4105, WA#RAB4106, WA#RAB4107, WA#RAB4108, WA#RAB4109, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4113, WA#RAB4114, WA#RAB4116, WA#RAB4118, WA#RAB4119, WA#RAB4121, WA#RAB4122, WA#RAB4123, WA#RAB4126, WA#RAB4127, WA#RAB4128, WA#RAB4130, WA#RAB4131, WA#RAB4132, WA#RAB4166, WA#RAB4128, WA#RAB4181, WA#RAB4182, WA#RAB4183, WA#RAB4165, WA#RAB4166, WA#RAB4180, WA#RAB4181, WA#RAB4182, WA#RAB4183, WA#RAB4184, WA#RAB4185, WA#RAB4187, WA#RAB4188, WA#RAB4189, WA#RAB4191, WA#RAB4192, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199 and WA#RAB4206.

#### 4.2 c\_DCH\_576\_TFS\_3\_UE\_WA (WA#RAB4120)

Test step name	c_DCH_576_TFS_3_UE_WA
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Created alternative constraint based in c_DCH_576_TFS_3_UE but using "allSizes : NULL" instead of "configured : NULL" for "logicalChannelList" for this constraint.
Source of change	New Change
Label	WA#RAB4120

ASN 1 Type Constraint Declaration	
Constraint Name Ontup	LDCH_578_TFR_3_UE_WAGE_RM INTEDER)
Type Name Derivation Path Encoding Variation Comments	DedicatedTraneChTFR
	transport format set for transport channel used in Conversational/Unknown/UL:28.8 DL:28.8kbps and Btoarning/Unknown/UL:28.8 DL:28.8kbps
	MARRAE4130
	Constraint/Value
ti ti 40 ( ( ric_Bize ottelModeType1 : stzeType2 : ijsarti 9, mart2 2), numberOffbiEacLait ( zero: MULL, one : NULL, simal : 2), togkalChanneList allSizes : NULL II, aemistaticTF_information ( channelCodingType turbo: NULL, rateWatchingAthtate p_FRM, trc_Bize crc16 }	

# 4.3 ts\_SendRB\_SetUpStreamUnknown28\_8k (WA#RAB4120)

Test step name	ts_SendRB_SetUpStreamUnknown28_8k
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Used new constraint "c_DCH_576_TFS_3_UE_WA" (see point 4.2) with the correct values instead of "c_DCH_576_TFS_3_UE"
Source of change	New Change
Label	WA#RAB4120

1.00		the second s	Test step	14
Test Test Otie	Step HE Step Oncup Rat chee	ts_BendRB_SetUpStreamUninnown28_Sk(p_Cells f RB_Steps/RB_Setup To setup a RADIO DEARER for streaming unknown	I: INTEGER, p_RAB_IS_BITSTRINO; p_ActTime : ActivationTime )	
Defa	wits: invents	RRC_Deft		
	and the same	Behaviour Description	Constraint Ref	Commenta
1	+ ts_SatTing	pCallino (p_Callid)	Concerned and the second of th	Station and
2	AMTRLC_A	M_DATA_HED	<pre>cas_RB_SetUpAM_WHEChf( %c_CollDedicated, %c_FB2, %c_RB2, %c_RB2, %c_GABedicated, %c_FB2, %c_CollDedicated, %c_FB2, %c_CollDedicated, %c_FB2, %c_CollDedicated, %c_FB2, %c_CollDedicated, %c_FB2, %c_CollDedicated, %c_FB2, %c_CommonTicHedSTM_0_To5, %c_UL_CommonTicHedSTM_0_To5, %c_UL_CommonTicHedSTM_0_To5, %c_UL_AddResenfTransChintoListTM_1 ( %c_COL_MSTB_TFB_3_UE_WA (150)), %c_DL_CommonTicHedSTM_0_Status, %c_DL_AddResenfTransChintoListTM_1, %c_DL_AddResenfTr</pre>	VANIERADATES
3	AM 7 RLC_	AM_DATA_CNF	car_AM_DataMuiCnf (toc_CellDedicated, toc_RB2, tor_Mui)	

### 4.4 c\_TrChInfoDL\_2\_0\_To5 (WA#RAB4124)

Test step name	c_TrChInfoDL_2_0_To5
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be first.
Summary of change	Changed order between tsc_DL_DCH1 and tsc_DL_DCH5. Now tsc_DL_DCH1 is first.
Source of change	New Change
Label	WA#RAB4124



### 4.5 c\_UL\_CommTrChInfoTM\_0\_To5 (WA#RAB4129)

Test step name	c_UL_CommTrChInfoTM_0_To5
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4129

S. manuel	ASN 1 Type Constraint Declaration
Constraint Name Group:	r_UL_CommTrChintoTM_0_Te6
Tipe Name Derivation Patt Encoding Vertation Comments	UL_CommonTransChints
	WARRAD 1125
-	WARRAB4273
	ConstaintValue



### 4.6 c\_UL\_CommTrChInfoTM\_0\_To5 (WA#RAB4273)

Test step name	c_UL_CommTrChInfoTM_0_To5
Reason for change	Default value for tfc-Subset IE is OMIT according with TS34.108.
Summary of change	Used tfc_Subset OMIT instead of
	tfc_Subset allowedTFC_List :{
	0,1, 2, 3,4, 5
	}
Source of change	New Change
Label	WA#RAB4273

ABN.1 Type Constraint Declaration		
Constraint Name	c_UL_CommTrChindyTHL0_ToS	
Omup		
Type hiame	UL_CommonTransChildo	
Derivation Path		
Encoding Variation		
Commente	VOMPLABA129	
	WARAB4273	
	Constraint Value	
It's Subset DMIT.		
printh_TECIL OMIT		
modeSpecificinte	901	
ut_TFCS normal1	FCL_Signalling: complete: (	
r#cBize cttc4Bits		
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1014.0.		
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100.00		
Traver Officer	formation c. Drawe Differentiation and and	
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1.	A Record State Sta	
1004.2	1004.2	
powerOffsetin	formation c_PowerOffsetInfoCompared	
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A Courses		
(数43,	eth 4 3,	
powerOffsetin	powerOffsetInformation s_PowerOffsetInfoComputed	
1		
CECH 4,	1914 4.	
powerungeen	powerOffsetinformation c_PowerOffsetinfoCompiled	
1		
10115	mis.	
powerOffsetre	formation : . PowerOffsetInfoBelow64k	
1		
1		
10		
3		
1		
Detailed Comment		

# 4.7 ts\_SendRB\_SetUpStreamUnknown28\_8k (WA#RAB4193)

Test step name	ts_SendRB_SetUpStreamUnknown28_8k	
Reason for change	on for change "DL_AddReconfTransChInformation" for tsc_DL_DCH5 should be define "same as UL" according to the default values of the "Radio Bearer Set up message.	
Summary of change	Used "c_DL_AddReconfTransChInfoListTM_1"(same as UL)	
	instead of	
	<pre>"c_DL_AddReconfTransChInfoListTM_1_3_4k" (explicit)</pre>	
Source of change	New Change	
Label	WA#RAB4193	

	11-0-11-1		Test Step	
Test Step Id: 1s_SendRB_SetUpStreamUniknown28_8k (p_C Test Step Group Ref RB_Steps/RB_Setup) Objective To octup a RACIO BEARER for streaming unity Defluids RRC_Den[ Comments		ts_SendRB_SetUpStreamUnknown28_9k ( p_Cell RB_StopuRB_Setup) To setup a RADIO BEARER for streaming unknown RRC_Def[	Cellst INTEGER; p_RAB_ld : BITSTRING; p_AcfTime : ActivationTime ) moven 28.8 and to reconfigure the BB accordingly	
		Behaviour Desurgtain	Constraint Ref	Comments
1 2	+ ts_SetTimp AM I RLC_AU	Callero (p_Calle) M_DATA_RED	<pre>cas_RE_SetUpAN_WithCrit( bit_CoulDednashd, bit_RE2, bit_Mul, cs_RRC_RE_BetUp( try_couldneb.d_integrityCheckanto_try_HRC_T), p_Adfilme, coll_DCH, OWT, c_RAB_infniLietTM1_Set_Faire (</pre>	WAARRADIA193
3	AM ? RLC 7	AN DATA ONF	car AM DataMulOrf day Cel/Dedicated tay R82 tax Mult	

# 4.8 ts\_2DCH\_ModifyStreamUnknown28\_8 (WA#RAB4204)

Test step name	ts_2DCH_ModifyStreamUnknown28_8
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be before tsc_DL_DCH5.
Summary of change	Used c_TrLogMappingDL_4DCCH_1DTCH instead of c_TrLogMappingDL_2 as the first one states the right order.
Source of change	New Change
Label	WA#RAB4204

1		Test step	
Test Ske 14	to_2004_MedMORear(Interset28_8) 6_2046_MEDDER p_04_centree_Actional p_04_centree_Actional p_04_periode 04_periode_MedDer_Media p_04_periode_Mediated p_0		
Text Tixe Once Text Other Text Other Text Device Text		neo est charrier, free may DCCHI-4 on to the DCH? banapart charrier and may DTCH to the DCHI to the DCHI	f textequit charmain
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1 + to_Defind 3 go_RAT = to	definition (a. Centra) M		
+ CPHICPH	HI, TCH, Costs, HEU	<pre>Lik_2_DCH_3_Tek_3L_Wb (p_CHills, 10_3L_DPCH1,c_0CH_100_TF0_54, p_C strengtT6_CFH7 p_rstEtra )</pre>	<i>‡</i> .
iii. CPHI1CH	PHY_SIGH_Calify_Calif	ca_frendger(p_celle,Nz_bl_pPOH)	
T CMAC P	any contract	Ca., CMAC, Pellor Marke The, CHETCHAR, MICH., DEL, DECHT, 4, UE, JACOMET, CMETT, 5, TTTTATEDE, 2, THIS (1), CHEMINE,	<ol> <li>C-Richland U-Res Tills not required on DPOH modesta 204</li> </ol>
E CMAC P	CMAG_Cm#g_CHF	cs_CMH0_OfgCeffbit_CellCedicated, fsc_DL_DPOtH1	
9. CPM042	PWY_PL_Headly_REG	cs_UL_OPOH_RedMMb1(s_Cellid, bc_UL_DFCH1,s_UL_DPCH_mbp_ActTime 1	14

### 4.9 ts\_2DCH\_ModifyStreamUnknown28\_8 (WA#RAB4205)

Test step name	ts_2DCH_ModifyStreamUnknown28_8
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be before tsc_DL_DCH5.
Summary of change	Used c_TrLogMappingUL_4DCCH_1DTCH instead of c_TrLogMappingUL_2 as the first one states the right order.
Source of change	New Change
Label	WA#RAB4205

		Test step	
Teel Skeld	In 2004 Analytike and Anterior 28,81 Autors Active Activation (Autor) p.Sc. Canton and Activation (DL Communication and Autor) p.Sc. Canton and Activation (DL Communication and Autor) p.Community (Autor) p.Community (Communication and Autor) p.Community (Community (Com		
Text Site Oxee that RMCH_SS_States/ OKentine to configure provise thermal DPCH1 and connect DCH1 and DCH5 to the pro- essatistics. Used for Steaming (Instrument 2018). Defaults. Commands.		tean al chames, then the DCOHL4 on to the DCH5 benegative well and map DTCH1 addres#11 to the DCH	t train op diet urbeerneit
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+ ts_Define	PCertimite Call, Caviter 1		A LOUIS CONTRACTOR
	A A REAL	- IN ADVISE POLY A RELEASE DE DEVIS AND AND AND A AVEC	4
H (9-H)	CPHP_THOH_COMPL_HED	ta_2_DOH_0_To5_UL_Http://oried_toc/L_DPGH_(_DOH_146_TF0_UL.a_0 antimetT0_OPHY_z_ArtThmi)	1
12 CPHY	PCPHY_TrCH_Cardg_ENF	ta_TYCROSOFY(#_Callet_te_CAL_DPCH1)	
13 - CMAC	CreakCardg_REQ	<pre>cs_CMMC_Reconfights (truCHOREdcama, tru_UL_CPCHet, j_UL_mm_(OHT) OU IT_c_Tr(CHoReduL_2_0_Ted (c_DCH_)H4_TTG_UL_p_CommonTTB_CPHY_3_c_Tr LogMateringUL_HDCOH_TOTOrt_p_RefIties()</pre>	2 C-RMTL and U-RH TL is not required on DI*CH
			WINEFLADA 305
AL DEMACTICANE_CONS_CONS_CONS		(L_CMAC_CIJCATU_CHEMEMIAL_NL_0L_CPO-P)	
Di pagnata a	10		

## 4.10 c\_DL\_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".
Source of change	New Change
Label	WA#RAB4090

2	ASN 1 Type Constraint Declaration
Constraint Name:	c_DL_informationPerRL ( p_ScmbiCode: PrmanStramblingCode; p_Sf SFS12_AndCodeNumber; p_SecondaryScramblingCode : SecondaryScramblingCode )
Orosex	
Type Name DL_InformationPerRL_List	
Derivation Path:	
Encoding Variation	
Comments	WARRACTOD
il.	Constraint Value
II mode8pacificity primaryCPICH_ pdach_EH0_DC pdach_End_DC pdach_CodeMa ii 	NGS: ( http://maxwScramblingCode.s.ScmbCode.), SHLJHS.OMIT, opengigOMIT HLISAL ( FeroThanneEstmayBeVised, eril (Bis_DebastDPCH_Offset/salue*DD MOD 38400) PCH-FrameOffset = E value* 126 erialDPCH-Offset/salue*DD = El value* 512 H_Infs OMIT, onCodeLetil ambringCode.g.Secondae@BesamblingCode., lumber p_St, ideChange indCodeChange nindex tsc_TPC_Combinatonindex, rOMIT, ingAdMoze OMIT CH OMIT

## 5 Branches executed in test case 14.2.16

The test case implementation executed the CS 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\_16\_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\_16-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\_16\_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\_16-pics-pixit-Ericsson.html** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

#### [1] T1s040062

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

CHANGE REQUEST		
<sup>#</sup> TS 3	4.123-3 CR 303 <b># rev</b> - # Current version: 3.4.0 #	
For <mark>HELP</mark> on us	sing this form, see bottom of this page or look at the pop-up text over the # symbols.	
Proposed change a	affects: UICC apps # ME Radio Access Network Core Network	
Title: ೫	Addition of RAB test case 14.2.17 to RAB ATS V3.4.0	
Source: ೫	Rohde & Schwarz	
Work item code: #	N/A Date: # 03/03/2004	
Category: ₩	BRelease: %R99Use one of the following categories: F (correction)Use one of the following releases: 2(GSM Phase 2)A (corresponds to a correction in an earlier release)R96(Release 1996)B (addition of feature), C (functional modification of feature)R97(Release 1997)C (functional modification)R98(Release 1998)D (editorial modification)R99(Release 1999)Detailed explanations of the above categories can be found in 3GPP TR 21.900.Rel-5(Release 5) Rel-6	
Reason for change	: # To add verified GCF package 3 RAB test case 14.2.17 to the approved RAB ATS V3.4.0	
Summary of chang	e: # This document lists all changes applied to test case 14.2.17 required for approva See detailed change description for further information.	
Consequences if not approved:	# Test case will not be added to ATS	
Clauses affected: Other specs affected:	# N/A         # X         Other core specifications         # X         Test specifications         O&M Specifications	
Other comments:	ж	

#### How to create CRs using this form:

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

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

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

### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

### T1s040063

Title:	Changes to test case 14.2.17 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 14.2.17 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_17
Test Group:	RAB/CombinationOnDPCH/Streaming_unknown/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Corrections required for test case 14.2.17

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.17 run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.17:

WA#RAB4017, WA#RAB4018, WA#RAB4021, WA#RAB4068, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4104, WA#RAB4105, WA#RAB4106, WA#RAB4107, WA#RAB4108, WA#RAB4109, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4113, WA#RAB4114, WA#RAB4116, WA#RAB4118, WA#RAB4119, WA#RAB4120, WA#RAB4121, WA#RAB4122, WA#RAB4123, WA#RAB4124, WA#RAB4126, WA#RAB4127, WA#RAB4128, WA#RAB4129, WA#RAB4165, WA#RAB4166, WA#RAB4180, WA#RAB4181, WA#RAB4182, WA#RAB4183, WA#RAB4165, WA#RAB4185, WA#RAB4187, WA#RAB4188, WA#RAB4189, WA#RAB4184, WA#RAB4194, WA#RAB4187, WA#RAB4188, WA#RAB4189, WA#RAB4191, WA#RAB4193, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4199, WA#RAB4204, WA#RAB4205 and WA#RAB4206.

#### 4.2 c\_DCH\_576\_TFS\_WA (WA#RAB4130)

Test step name	c_DCH_576_TFS_WA
Reason for change	Wrong values for tti and rate matching parameters.
Summary of change	Created alternative constraint based in c_DCH_576_TFS but using tti 40 instead of 20 and a rate matching valueof 145 instead of 125
Source of change	New Change
Label	WA#RAB4130

Concernance of the	ASN 1 Type Constraint Declaration		
Constraint Name Ontage	L_DCH_STE_TFE_WA		
Type Name Derivation Path	CommonOrDedicatedTFB		
Comments Transport format set for transport channel used in CranteCell_DCH_57_6kCB_RAB_BRB			
	WARREAT 30		
	Constant Value		
I ti 840 (itb_Stor 5 namberOffbiSiz logkalChannelL II. semistaticTF_infor channelCodingTy rateMatchingAbit tri_Sbalcrc16 ]	76, ILIaf (2em: NULL, one: NULL, small 2, small 3, small 4), ist allSizes : NULL mater ( pe futbo: NULL] upe 145,		

# 4.3 c\_TrChInfoUL\_576\_148\_WA (WA#RAB4130)

Test step name	c_TrChInfoUL_576_148_WA	
Reason for change	Wrong values for tti and rate matching parameters.	
	Also the Transport channels identities are inverted.	
Summary of change	Created new contraint based in "c_TrChInfoDL_576_148" but using new constraint "c_DCH_576_TFS_WA" (see point 4.2) with the correct values instead of "c_DCH_576_TFS"	
	Also the Transport channels identities are corrected in this version of the constraint.	

#### Source of change New Change

Label WA#RAB4130

	ASN 1 Type Constraint Declaration
Constraint Name:	c_TrChintoU576_148_VM
Group:	
Type Name.	TrCHnh
Derivation Patr	
Encoding Variation	
Comments	www.rati4130
	Constraint Value
L uluannectedTrCHL { techid tsr_UL_D transportChann ( techid tsr_UL_D transportChann ulTFCS c_TFCS_C )	Jst  cH1, eInfo:c_DCH_578_TF8_WA.), CH5, eInfo:c_DCH_148_TF5_UL_3, 2mpl0_1_2_3_4_5_8_7_8_9_Rx - sentto 88

#### 4.4 c\_TrChInfoDL\_576\_148\_1\_WA (WA#RAB4130)

Test step name	c_TrChInfoDL_576_148_1_WA
Reason for change	Wrong values for tti and rate matching parameters.
Summary of change	Created new contraint based in "c_TrChInfoDL_576_148_1" but using new constraint "c_DCH_576_TFS_WA" (see point 4.2) with the correct values instead of "c_DCH_576_TFS"
Source of change	New Change

Label WA#RAB4130

ASN 1 Type Constraint Declaration		
Constraint Name Group	C_TYCHINDDL_G76_148_1_WA	
Type Name: Derivation Path	TiCHinb	
Encoding Variation Comments	WARRAD4120	
	Constraint Wive	
( diconnectedTrCH (trchiditec_OL_O transportChann (trchiditec_OL_O transportChann diffFCSs_TFCS_(	Lint( )CH1, antinb c_DCH_576_TFB_WA), )CH5, withtb c_DCH_148_TFB_DL1L Cmp10_1_2_3_4_5_6_7_8_9_Tx(o_PowerOffsetbytoBelow54k) send to SS	

### 4.5 c\_DCH\_576\_148\_DL\_Info\_1\_WA (WA#RAB4130)

Test step name	c_DCH_576_148_DL_Info_1_WA
Reason for change	Wrong values for tti and rate matching parameters.
Summary of change	Created new contraint based in "c_DCH_576_148_DL_Info_1" but using new constraint "c_DCH_576_TFS_WA" (see point 4.2) with the correct values instead of "c_DCH_576_TFS"
Source of change	New Change
Label	WA#RAB4130

ASN.1 Type Constraint Declaration
Constraint Name
c\_DCH\_378\_148\_DL\_istb\_1\_VWdp\_ActTime ActivationTime)
Type Name
CathTriaConfigRes
Denotion Path
Encoding Value
(
activationTime activationCFN p\_ActTime,
acti

#### 4.6 c\_DCH\_576\_148\_UL\_Info\_WA (WA#RAB4130)

Test step namec\_DCH\_576\_148\_UL\_Info\_WAReason for changeWrong values for tti and rate matching parameters.Summary of changeCreated new contraint based in "c\_DCH\_576\_148\_UL\_Info " but using new constraint "c\_DCH\_576\_TFS\_WA" (see point 4.2) with the correct values instead of "c\_DCH\_576\_TFS"Source of changeNew Change

Label WA#RAB4130

Second second	ASN.1 Type Constraint Declaration
Constraint Name Overup Type Name Derivation Path Encoding Variation	E_DCH_S78_148_UL_http://www.actfilmer.activationTime.) CphyTrchConfigReq
Comments	WARKEH130
	Constraint Value
activationTime acti uluprinectodTirCHL [herbid tsi_UL_D ul_TransportChanne transportChanne transportChanne ul_TransportChanne transportChanne ul_TransportChanne transportChanne ul_CS_CTFCB_C disconnectedTirCHL difficES_CMIT	AutonCFN p_Actime, Ust) ICH1, etmfor_DCH_578_TF8_way, ICH5, etmfor_DCH_578_TF8_way, ICH5, etmfor_DCH_148_TF8_VL) Empl0_1_2_3_4_5_6_7_8_9_Fx;- sentio 88 Ust OMT,

### 4.7 ts\_SendRB\_SetUpDCH\_57\_6k\_CS (WA#RAB4130)

Test step name	ts_SendRB_SetUpDCH_57_6k_CS	
Reason for change	Wrong values for tti and rate matching parameters.	
Summary of change	Used new constraints c_DCH_576_148_UL_Info_WA, c_DCH_576_148_DL_Info_1_WA, c_TrChInfoUL_576_148_WA and c_TrChInfoDL_576_148_1_WA instead of c_DCH_576_148_UL_Info, c_DCH_576_148_DL_Info_1, c_TrChInfoUL_576_148 and c_TrChInfoDL_576_148_1 respectively (see points 4.2 to 4.6).	
Source of change	New Change	
Label	WA#RAB4130	

Same and the second		Te	it Step	911-910	-
Test Step M Test Step Group Ref Objective Ovtaute Comments	In_SendRB_SetUpDCH RB_Steps/RB_Setup/ Te setup a RADIO BEAR RRC_Deft This files is used by RLC	_\$7_6k_CS ( p_Cwild NiTeGER, p_RAB_ ER Cuil_OCH_\$7_6kC8_RAB_\$RB and 1	ld: BITSTRING,p_ActTime Activati a reconfigure the SS accordingly	anTime )	
See TB 34 108 clause 6.10.2.4.17					
NI .	Latel	Elefraviour Description	Constraint Ref	Verdict	Commente
		and the second state of the state of			

			ALMER .	
			3	
3		AM TRUC_AN_DATA_CHE	car_AM_DataMuCrif (toc_Cel/De dicated, toc_RB2, toc_Mul)	
4		<ul> <li>Hs_SS_2DCH_Modify ( p_Cellin, r_DCH, 578_148_UL_infp_WK/p_ActTime), c, DCH, 578_148_DL_infp_WK/p_ActTime), c, DCH, 578_148_DK_5_T6_148_WK, c_TICollino, t, TiCollino, SS, 148_1, WK, c_TICollino, t, TiCollino, SS, 148_1, WK, c_TICollino, t, DCH, 500CH_1DTCH, c_TICOllino, t, DCH, 500CH, 1DTCH, c_TICOllino, t, DCH, 500CH, 500CH, 500CH, 500CH, 500CH, 510CH, 510</li></ul>		WARRAB4130
5		+ts_88_R810_TM_Ctg ( 576)		payload size= RLC payload si 26 + RLC header
1	TOP	als DDC Databalli SahatCoolly		

### 4.8 c\_DCH\_576\_TFS\_UE\_WA (WA#RAB4131)

Test step name	c_DCH_576_TFS_UE_WA
Reason for change	Wrong values for tti parameter.
Summary of change	Created alternative constraint based in c_DCH_576_TFS_UE but using tti 40 instead of 20.
Source of change	New Change
Label	WA#RAB4131

Same	ASN.1 Type Constrant Declaration	
Constraint Name	CDCH_378_TFE_LE_WA	
Type Name Derivation Path	Dedicated TransCh TFB	
Encoding Variation	transport format set for transport channel used in Create Cell DCH 57. BirCS Rive SRS for message centro UE	
	WARRAB4131	
	Constraint Value	
th th40 () (rk_Size mamberOffbillar logicalChannelL IL semistalicTF_infor channelCodingTy nateWalthingAtht crc_Size pit18 ]	octetModeTget1_sizeType2_(part1 8, part2 2), stuat(zero) NULL, one (NULL, small 2, small 3, small 4). List alBizes : NULL mnation ( ype turbs: NULL, bute 145,	

# 4.9 c\_UL\_AddReconfTransChInfoListTM\_57\_6k (WA#RAB4131)

Test step name	c_UL_AddReconfTransChInfoListTM_57_6k
Reason for change	Wrong values for tti parameter.
Summary of change	Used new constraint "c_DCH_576_TFS_UE_WA" (see point 4.8) with the correct values instead of "c_DCH_576_TFS_UE"
Source of change	New Change
Label	WA#RAB4131

Same	ASN.1 Type Constraint Declaration
Constraint Name Online	c_UL_AddReconfranchinkLaifM_57_Be
Type Name Derivation Path	UL_AddReconThereChinfoList
Encoding Variation	
Comments	WARAB4121
1	Constraint Value
uLTransportChainai transportFormatS 1. ( uLTransportChainai transportChainai transportChainai 1. )	nneTrype dch, laansty tot_UL_DCH1, et dedicatedTransChTF8: c_DCH_576_TF8_UE_WA meTrype dch, ldantty tot_UL_DCH5, et dedicatedTransChTF8: c_DCH_148_TFS_UE_UL

## 4.10 ts\_SendRB\_SetUpDCH\_57\_6k\_CS (WA#RAB4192)

Test step name	ts_SendRB_SetUpDCH_57_6k_CS
Reason for change	"DL_AddReconfTransChInformation" for tsc_DL_DCH5 should be defined as "same as UL" according to the default values of the "Radio Bearer Set up" message.
Summary of change	Used "c_DL_AddReconfTransChInfoListTM_1"(same as UL)
	instead of
	"c_DL_AddReconfTransChInfoListTM_57_6k_3_4k" (explicit)
Source of change	New Change
Label	WA#RAB4192

		rea acp			
h_SendPE_SelbDCH_ST_S4_C0 (p_C+R4 FATLODT, p_R40_b1 BTTTTNHOp_Active ActivationTree) RR_DeputCR_better To tankp ACADI BEREER Cot_DCH_ST_SeC1_CH4_WARD extra recentigues the DE accurrings RPC_DH1					
They Over to a south by FLC facel car	044.				
186 TE 34 TEL COULS & TO 3 4 T	r				
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	AM 2 PLC, AND PATA THE	ow the Committee for Stationard			
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# 4.11 c\_DL\_InformationPerRL (WA#RAB4090)

\_\_\_\_\_

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".
Source of change	New Change
Label	WA#RAB4090

	ASN 1 Type Constraint Declaration
Constraint Name:	<pre>t_DL_informationPerRL(p_ScriptCode: PrimaryScramblingCode; p_St SF512_AndCodeNumber; p_SecondaryScramblingCode : SecondaryScramblingCode )</pre>
Urosp:	Di secondardarda da sua
Type reame	DC_mannaureans_Dat
Encoding Vision	
Comments	Weather an anno
Carrieria	New York Control of Co
	Constant Value
primaryCarCH_ pdiate_CoddMa k_ d_DPCH_intoPv pOPICH_Urage upch_FrameOft = DPCH_Frame = Actual value D = Actu	Into (primarystramburg), cole a_skrimburg), cole a_

## 5 Branches executed in test case 14.2.17

The test case implementation executed the CS 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\_17\_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\_17-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\_17\_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\_17-pics-pixit-Ericsson.html** Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

#### [1] T1s040064

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

	C	CHANGE RI	EQUEST		CR-Form-v7
<sup>ж</sup> ТS 34	<mark>l.123-3</mark> CR	<mark>304</mark> ж r	ev - *	Current vers	<sup>ion:</sup> 3.4.0 <sup>≇</sup>
For <u>HELP</u> on usi	ing this form, see	bottom of this pag	e or look at th	e pop-up text	over the X symbols.
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Title: # /	Addition of RAB to	est case 14.2.13.2	to RAB ATS \	/3.4.0	
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Work item code: 🕱 📘	N/A			<i>Date:</i>	03/03/2004
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Consequences if not approved:	¥ Test case wi	II not be added to A	ATS		
Clauses affected: Other specs affected:	X     N/A       Y     N       X     Other       X     Test s       X     O&M	core specifications specifications Specifications	5 <b>%</b>		
Other comments:	ж				

#### How to create CRs using this form:

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

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

### **3GPP TSG-T1 E-Mail 2004** Jan - 31 Dec 2004

Title:	Changes to test case 14.2.13.2 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.13.2 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_2_12
Test Group:	RAB/CombinationOnDPCH/Conversational_unknown/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

# 4 Corrections required for test case 14.2.13.2

#### 4.1 Introduction

This section describes the changes required to make test case 14.2.13.2 run correctly with a 3G UE. All modifications are marked with label "WA#RAB<number>" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB\_wk07.mp which is part of the iWD-TVB2003-03\_D04wk07 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 14.2.13.2:

WA#RAB4017, WA#RAB4018, WA#RAB4021, WA#RAB4068, WA#RAB4100, WA#RAB4104, WA#RAB4105, WA#RAB4106, WA#RAB4107, WA#RAB4108, WA#RAB4109, WA#RAB4110, WA#RAB4111, WA#RAB4112, WA#RAB4113, WA#RAB4114, WA#RAB4116, WA#RAB4118, WA#RAB4119, WA#RAB4120, WA#RAB4121, WA#RAB4122, WA#RAB4124, WA#RAB4126, WA#RAB4127, WA#RAB4128, WA#RAB4129, WA#RAB4130, WA#RAB4131, WA#RAB4132, WA#RAB4166, WA#RAB4182, WA#RAB4183, WA#RAB4184, WA#RAB4185, WA#RAB4166, WA#RAB4189, WA#RAB4191, WA#RAB4192, WA#RAB4193, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4206.

#### 4.2 c\_DCH\_640\_TFS\_40\_4\_UE\_WA (WA#RAB4123)

Test step name	c_DCH_640_TFS_40_4_UE_WA		
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".		
Summary of change	Created alternative constraint based in c_DCH_640_TFS_40_4_UE but using "allSizes : NULL" instead of "configured : NULL" for "logicalChannelList" for this constraint.		
Source of change	New Change		
Label	WA#RAB4123		

Service and the service of the servi	A5N.1 Type Constraint Declaration		
Constraint Name	L_DCH_B40_TFS_40_4_US_WA		
Type Name Derivation Path:	Deds alestTransChTTB		
Encoding Variation:			
Comments:	transport formal set for RAB subflow#1 on dedicated channel		
	W4#R4E4123		
	Constrant Value		
ti ti ti 40 ((ric_Bize numberOffitibility logicalChannell, ) semistatioTF_infor strantelCostingTy rataMattringAttit crc_Bize crc16 )	B40 (( nr_B2e outerModeType1 : storType2 : (parti 11, part2 2), numberOfTsEbaList(2ero: NULL, small: 4), logkalChanneList atBizes : NULL emistatkTF_information ( thantelCodingType Nuth: NULL, staMatchingAtBibute 172, tr_B2e crc16		

# 4.3 ts\_SendRB\_SetUpConvUnknown\_64k\_40TTI (WA#RAB4123)

Test step name	ts_SendRB_SetUpConvUnknown_64k_40TTI
Reason for change	According to the default values for the "Radio Bearer Set up" message in TS34.108 the "logicalChannelList" IE for this particular transport channel (tsc_UL_DCH1) should be set to "allSizes : NULL" instead of "configured : NULL".
Summary of change	Used new constraint "c_DCH_640_TFS_40_4_UE_WA" (see point 4.2) with the correct values instead of "c_DCH_640_TFS_40_4_UE"
Source of change	New Change
Label	WA#RAB4123

Same and the second			Test Step	10.000	
Test Step Id Test Step Group Ref. Objective Defauto Comments	RB_Steps/RB_SetUp0 RB_Steps/RB_Setu To solup a RADIO BI RRC_Def1	omUnitrown_64k_40TTI (p_Celid: INTE a/ EARER for conversational64k with TTI 4/	GER, p_RAB_ld_BITSTRING, p_ActTime_A 0 and to reconfigure the SS accordingly.	<pre>sctwationTime )</pre>	
NE	Label	Bettaviour Description	Constraint Ref	Verdict	Comments
Objective Defaults Comments No 1 2		+ ts_BelTmpCellints (s_Cellid)	cas_RB_SetUpAM_WithCot(tsr_ CellDedicated, tsr_RB2, tsr_Mai , cs_RRC_RB_SetUp(_tsr_Mai , cs_RRC_RB_SetUp(_tsr_Mai , cs_RRC_RB_SetUp(_tsr_Mai , cs_RRC_RB_SetUp(_tsr_Mai , cs_RRC_RB_SetUp(_tsr_Mai , cs_RRC_RB_SetUp(_tsr_Mai , csr_Atternation, csr_ , csr_Atternation, csr_ , csr_Atternation, csr_ , csr_ , csr_Atternation, csr_ , csr_		tov_SprdFit + tov_Punit_imit= + volues 7 same for uplink an d downlink 7 Freqinto 7 WMARRAB4123
3		AM ? RLC AM DATA CNF	car AM DataMulCrifidoc CeliDe		

### 4.4 ts\_2DCH\_ModifyConvUnknown\_64k\_40 (WA#RAB4180)

Test step name	ts_2DCH_ModifyConvUnknown_64k_40
Reason for change	Wrong order when configuring transport channel in the SS messages. tsc_DL_DCH1 must be before tsc_DL_DCH5.
Summary of change	Used c_TrLogMappingDL_4DCCH_1DTCH instead of c_TrLogMappingDL_2 as the first one states the right order.
Source of change	New Change
Label	WA#RAB4180

S			fest Step		an an and
Test Step N Test Step Group Rot Objective Defaulto Comments	ts_2DCH_ModtlyCon4Urknown_B4k_40 (p_Cellid: InITEGER; p_ArtTime: ActivationTime; p_DL_Commoninformation: DL_Commoninformation; p_UL CH_Info: UL_DPCH_info; p_DCH1 : CommonOrDedicatedTFS_p_sf: 8F612_ArtdCodeNamiter) Ref. RB_Steps/RB_Configuration/ to configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and mi TCH(subflow#f) to the DCH1 transport channel respectively. Used for Conversational Funknown/UL 32 or 64 DL 32 or 64 kbps IntDCthewiseFail				DL_Commoninformation; p_UL_DP DCH5 transport channel and map D Hibps
Nr	Label	Extraviour Description	Constraint Ref	Verdict	Comments
1 2		<ul> <li>ts_SelTmpCellinitr (p_Cellid) [px_RAT = tdd]</li> </ul>			
13	1	CPHYCEHY RI: Modily REG	ca Dr. DPCH ModiNido to Cel		1
0.		CPHY1CPHY_TICH_Config_CNF	ca_frChCfgCnf(p_Celld,hc_D L_DPCH1)		
3		CMACICMAC_Contg_REG	ca_CMAC_Reconfight@ac_Cell Dedeated to: DL_DBCHt c. U		3.WARRAD4100

1.0		L_DPORT3		_
2	CMAC1CMAC_Confg_REG	cs_CMAC_Reconfightlyfac_Cell Dedicated, tac_DL_DPCH1, c_U E_into ( OMIT, OMIT), c_TrChlinto DE_2_0_To3 ( c_DCH_148_TF18 _OL, p_DCH1 ), c_TrLogMapping DL_4DCCH_1DTCH, p_ActTimes	2 WANDADAT DO	
8	CMAC ? CMAC_Canfg_CNF	cs_CMAC_CtgCnttsc_CellDedic ated, toc_DL_DPCH1)		
9	CPHVICPHV_RL_Modify_REQ	ca_UL_DFCH_ModifyInfog_Cell	1.5	

#### 4.5 ts\_2DCH\_ModifyConvUnknown\_64k\_40 (WA#RAB4181)

 Test step name
 ts\_2DCH\_ModifyConvUnknown\_64k\_40

Reason for change Wrong order when configuring transport channel in the SS messages. tsc\_DL\_DCH1 must be before tsc\_DL\_DCH5.

**Summary of change** Used c\_TrLogMappingUL\_4DCCH\_1DTCH instead of c\_TrLogMappingUL\_2 as the first one states the right order.

Source of change New Change

Label WA#RAB4181

and the second second	CONTRACTOR OF THE OWNER		Test Step		the second and second
Teat Step to	It Step N: Is_3DCH_NodifyCon4Unknown_84%_40 ( g_Cellid: INTEGER; p_AddTime: ActivationTime; p_DL_Commoninformation: DL_Commoninformation; p_I CH_Infb: UL_DPCH_Infb: p_DCH1: CommonOrDedicatedTFS:p_sf: SF512_AndCodeMumber)				
Test Step Group Ref.	RB_Steps/RB_Conf	iguration/			and the second
Objective	To configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and TCH3sbflow#1) to the DCH1 transport channel respectively. Used for Conversational / unknown / UL 32 or 64 OL 32 or 64 kbps.				CH5 transport channel and map D lobs
Defaute	initOtherwiseFail				2010
Comments		<u>.</u>			
Nr	Laber	Esthaviour Description	Constraint Ref	Verdict	Comments
1 2		ts_SefTmpCelints (p_Celid)     jos_RAT = tsd			14
3		CPHYCEHY BI Modily REG	ca DL DPCH Modifieth (p. Cel.		1

		mej	
12	CPHYTCPHV_TICH_Carfig_CNF	ca_TrChCfgCnf(p_Cellid,toc_U L_DPCH1)	
13	CMACICMAC_Config_REQ	ca_CNAC_Reconfights (bs_Cel IDedicated, tsc_UL_DPCH1, c_U E_inth ( OWIT, OWIT), s_TrCHinth _UL_2_0To3(s_DCH_140_TF8_ UL, p_DCH1), c_TrLogMappingU L_4DCCH_1DTCH, p_ActTime)	3 WWFRADA181
14	CMAC 7 CMAC_Confg_CNF	ca_CMAC_CfgCHtBsc_CallDadic ated, tsc_UL_DPCH1)	
15	(ox_RAT = too)		

# 4.6 c\_TFCS\_CmpI0\_To3\_Rx (WA#RAB4101)

Test step name	c_TFCS_Cmpl0_To3_Rx
Reason for change	Wrong CTFC size ( =cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4101

Sector constraints	ASN.1 Type Constraint Declaration			
Constraint Name Ottup	e_TFCE_CmpID_Ted_Re			
Type Name Derivation Path	TFCS			
Encoding Variation				
Comments	IECS Information with power process information - for transmitter			
	WatRAB4101			
	Constraint Value			
smafTFCL_Bigsatinig: consplicts: ( ttt:Size-ttt:4Bit) ( :ttl:4 0, powerOffsatinformation OMT 1, ( :ttl:4 1, powerOffsatinformation OMT 1, ( :ttl:4 2, powerOffsatinformation OMT 1 ( :ttl:4 2, powerOffsatinformation OMT 1				

# 4.7 c\_TFCS\_CmpI0\_To3\_Tx (WA#RAB4098)

Test step name	c_TFCS_Cmpl0_To3_Tx
Reason for change	Wrong CTFC size (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC size set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4098

	ASN 1 Type Constraint Declaration				
Constraint Name Oroug:	s_TFCB_CmptB_To3_Tr (p_PewerOffsetInformation PowerOffsetInformation )				
Type Name Derivation Path Encoding Variation	TICS				
Comments	TECS information with power offset information - for transmitter www.RAB4098				
	Constraint Value				
normaITFCL_Bigsa offcSize offc4Bit( { uflc4 0, power0 { uflc4 1, power0 { uflc4 2, power0 { uflc4 2, power0 { uflc4 3, power0 } }	emaTFCL_Bignaling:complete: { th:Size:th:4Bit} (:db:40, powerOffsetInformation:c_PowerOffsetInfoComputed L (:db:41, powerOffsetInformation:c_PowerOffsetInfoComputed L (:db:42, powerOffsetInformation:c_PowerOffsetInformation.)				

### 4.8 c\_DL\_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 "scramblingCodeChange" should be set as "noCodeChange".
Summary of change	Used "noCodeChange" instead of OMIT for IE "scramblingCodeChange".
Source of change	New Change
Label	WA#RAB4090



## 5 Branches executed in test case 14.2.13.2

The test case implementation executed the CS 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\_13\_2\_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\_13\_2-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\_13\_2\_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\_13\_2-pics-pixit-Ericsson.html Text file containing all PICS/PIXIT parameters used for testing.

## 7 References

[1] T1s040054 This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CHANGE REQUEST							
<sup>#</sup> TS 3	<mark>84.123-3</mark>	CR 305	ж <b>rev</b> -	# Current v	ersion: <b>3.4.0</b> <sup>#</sup>		
For <b>HELP</b> on using this form, see bottom of this page or look at the pop-up text over the <b>#</b> symbols.							
Proposed change	affects:	JICC apps 🕷 📃	ME 📃 Ra	adio Access Netv	work Core Network		
Title: ೫	Addition of	NAS test case 10	).1.2.4.9 to NAS	ATS V3.4.0			
Source: ೫	Anritsu Lin	nited					
Work item code: %	N/A			Date:	¥ 02/03/2004		
Category: #	B Use <u>one</u> of F (cor A (cor B (add C (fun D (edi Detailed exp be found in e: % To ad ATS V ge: % This c appro	the following catego rection) responds to a correc dition of feature), ctional modification torial modification) olanations of the abo 3GPP <u>TR 21.900</u> . d verified GCF pa /3.4.0	ries: ction in an earlier of feature) ove categories ca ckage 3 NAS te changes applied	Release: Use one 2 release) R96 R97 R98 R99 n Rel-4 Rel-5 Rel-6 st case 10.1.2.4.	# R99         of the following releases:         (GSM Phase 2)         (Release 1996)         (Release 1997)         (Release 1998)         (Release 1999)         (Release 5)         (Release 6)		
Consequences if not approved:	See d # Test o	etailed change de case will not be ad	ded to ATS	her information.			
Clauses affected: % N/A							
Other specs affected:	# N # X X X	Other core speci Test specification O&M Specification	fications ೫ ns ons				
Other comments:	ж						

#### How to create CRs using this form:

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

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

Title:	Changes to test case 10.1.2.4.9 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 10.1.2.4.9 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 10.1.2.4.9.	2
4.1	Introduction	2
4.2	Detailed changes	2

# **3** Verification Test Summary

Test Case:	tc_10_1_2_4_9
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
Domain Tested:	CS
Test Configuration:	Integrity Enabled
	Ciphering Disabled
	pc_CS & pc_PS = TRUE
System Simulator used:	Anritsu Protocol Test System MX785201A
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 10.1.2.4.9

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.4.9 run correctly with a 3G UE. All modifications are described below.

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release.

#### 4.2 Detailed changes

No change has been made to NAS\_wk04.mp.

CR-Form-v7										
<sup>ж</sup> ТS 3	<mark>84.12</mark>	<mark>3-3</mark>	CR	306	жre	ev	- #	Current vers	sion: <b>3.4.0</b>	ж
For <u>HELP</u> on u	ising th	nis forr	n, see	bottom o	f this pag	e or loo	ok at th	e pop-up tex	t over the 🛱 sy	mbols.
Proposed change	affects	s: U	ICC a	ops#	Μ	E 📃 F	Radio A	ccess Netwo	ork Core N	etwork
<i>Title:</i> ដ	Addit	ion of	NAS te	est case 1	0.1.2.4.4	to NA	S ATS	V3.4.0		
Source: ೫	Anrits	<mark>su Lim</mark>	ited							
Work item code: ೫	N/A							Date: #	02/03/2004	
Category: # Reason for change Summary of change	B Use <u>o</u> F E C Detail be fou	ne of ti (corre (corre (add) (dd) (func (edite ed exp ind in 3 To add ATS V This do approv See de	he follo ection) espond ition of stional r porial mo lanation 3GPP <u>1</u> <b>4 verifie</b> 3.4.0 <b>5 cume</b> val.	wing categ ls to a corm feature), modification) odification) ns of the al <u>R 21.900</u> . ed GCF p nt lists all change d	ories: ection in a n of feature bove categ ackage 3 changes lescriptior	n earlie e) gories c NAS t applie	r release an est cas d to tes rther in	Release: # Use <u>one</u> of 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6 e 10.1.2.4.4 st case 10.1.2	4 R99 5 the following re (GSM Phase 2 (Release 1996 (Release 1997 (Release 1998 (Release 4) (Release 5) (Release 6) to the approve 2.4.4 required f	leases: ) ) ) d NAS or
Consequences if not approved:	ж -	Test ca	ase wi	l not be a	dded to A	TS				
Clauses affected:	1 X	N/A								
Other specs affected:	*	YN X X X	Other Test s O&M	core spec pecification Specificat	cifications ons tions	5 8	e			
Other comments:	ж									

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

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.
## 3GPP TSG-T1 E-Mail 2004 01 Jan - 31 Dec 2004

Title:	Changes to test case 10.1.2.4.4 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 10.1.2.4.4 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 10.1.2.4.4.	2
4.1	Introduction	2
4.2	Detailed changes	2

Test Case:	tc_10_1_2_4_4
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
Domain Tested:	CS
Test Configuration:	Integrity Enabled
	Ciphering Disabled
	pc_CS & pc_PS = TRUE
System Simulator used:	Anritsu Protocol Test System MX785201A
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 10.1.2.4.4

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.4.4 run correctly with a 3G UE. All modifications are described below.

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release.

#### 4.2 Detailed changes

No change has been made to NAS\_wk04.mp.

	(	CHANGE I	REQUES	бт	CR-Form-v7
<sup>ж</sup> ТS 34	<mark>l.123-3</mark> CR	<mark>307</mark> #	rev - <sup>s</sup>	# Current vers	<sup>ion:</sup> 3.4.0 <sup>#</sup>
For <u>HELP</u> on usi	ing this form, se	e bottom of this p	age or look at	t the pop-up text	over the # symbols.
Proposed change at	ffects: UICC a	apps#	ME Radio	o Access Networ	k Core Network
Title: #	Addition of NAS	test case 10.1.2.4	1.6 to NAS AT	rs V3.4.0	
Source: ೫ <mark>/</mark>	Anritsu Limited				
Work item code: <mark> </mark>	N/A			Date: ೫	02/03/2004
Category: #	B Jse <u>one</u> of the foll F (correction) A (correspond B (addition of C (functional D (editorial n Detailed explanation be found in 3GPP X To add verift ATS V3.4.0 X This docum approval. See detailed	owing categories: ds to a correction in f feature), modification of featodification) ons of the above can <u>TR 21.900</u> . ied GCF package ent lists all change d change descript	n an earlier rele ture) tegories can e 3 NAS test o es applied to tion for further	Release: # Use <u>one</u> of 2 ease) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6 case 10.1.2.4.6 to test case 10.1.2	R99 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) o the approved NAS
Consequences if not approved:	ж <mark>Test case w</mark>	ill not be added to	o ATS		
Clauses affected:	<mark>೫ N/A</mark>				
Other specs affected:	Y         N           #         X         Othe           X         Test         X           X         O&M	r core specifications specifications Specifications	ons X		
Other comments:	¥				

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

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

Title:	Changes to test case 10.1.2.4.6 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 10.1.2.4.6 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 10.1.2.4.6.	2
4.1	Introduction	2
4.2	Detailed changes	2

Test Case:	tc_10_1_2_4_6
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
Domain Tested:	CS
Test Configuration:	Integrity Enabled
	Ciphering Disabled
	pc_CS & pc_PS = TRUE
System Simulator used:	Anritsu Protocol Test System MX785201A
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 10.1.2.4.6

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.4.6 run correctly with a 3G UE. All modifications are described below.

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release.

#### 4.2 Detailed changes

No change has been made to NAS\_wk04.mp.

		CHANG	E REQU	EST			CR-Form-v7
* TS 3	<mark>34.123-3</mark>	CR 308	ж <b>rev</b> -	₩ Curre	ent version:	3.4.0	ж
For <u>HELP</u> on u	ising this for	m, see bottom of t	his page or lool	k at the pop-	up text ove	r the X syn	nbols.
Proposed change	affects: L	JICC apps <b>೫</b> ──	ME Ra	adio Access	Network	Core Ne	twork
Title: ೫	Addition of	NAS test case 10.	.1.2.6.3 to NAS	ATS V3.4.0			
Source: ೫	Anritsu Lim	ited					
Work item code: %	N/A			D	ate: ೫ 02	/03/2004	
Category: ﷺ Reason for change Summary of change	B Use <u>one</u> of t F (corr A (corr B (ada C (fund D (edit Detailed exp be found in 3 e: # To ada ATS V ge: # This d approv	the following categor ection) responds to a correc lition of feature), ctional modification of orial modification) elanations of the abo 3GPP <u>TR 21.900</u> . d verified GCF pace '3.4.0	ries: tion in an earlier of feature) ve categories car ckage 3 NAS te hanges applied	Relea Use (Use (F (F (F (F (F (F (F (F)))) (F (F)) (F (F))(F))	ase: # RS <u>one</u> of the f (GS) R96 (Rel R97 (Rel R99 (Rel R99 (Rel Rel-5 (Rel Rel-6 (Rel .2.6.3 to the .2.6.3 to the	99 ollowing rele M Phase 2) ease 1996) ease 1997) ease 1998) ease 1999) ease 4) ease 5) ease 6) ease 6) ease 6)	nases:
Consequences if	See de ೫ <mark>Test c</mark>	etailed change des ase will not be add	scription for furt	her informati	ion.		
not approved:							
Clauses affected: Other specs affected:	# N/A # X X X	Other core specif Test specification O&M Specificatio	ications ೫ Is Ins				
Other comments:	ж						

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

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

Title:	Changes to test case 10.1.2.6.3 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 10.1.2.6.3 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 10.1.2.6.3.	2
4.1	Introduction	2
4.2	Detailed changes	2

Test Case:	tc_10_1_2_6_3
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
Domain Tested:	CS
Test Configuration:	Integrity Enabled
	Ciphering Disabled
	pc_CS & pc_PS = TRUE
System Simulator used:	Anritsu Protocol Test System MX785201A
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 10.1.2.6.3

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.6.3 run correctly with a 3G UE. All modifications are described below.

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release.

#### 4.2 Detailed changes

No change has been made to NAS\_wk04.mp.

	CR-Form-v7
	CHANGE REQUEST
* TS 3	<b>34.123-3</b> CR <sup>309</sup> <b># rev</b> <sup>-</sup> <sup>#</sup> Current version: <b>3.4.0</b> <sup>#</sup>
For <u>HELP</u> on L	using this form, see bottom of this page or look at the pop-up text over the $#$ symbols.
Proposed change	affects: UICC apps # ME Radio Access Network Core Network
Title: #	Addition of NAS test case 10.1.2.4.7 to NAS ATS V3.4.0
Source: #	Rohde & Schwarz
Work item code: भ्र	N/A         Date: # 02/03/2004
Category: ¥	B       Release: % R99         Use one of the following categories:       Use one of the following releases:         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         Detailed explanations of the above categories can       Rel-4       (Release 4)         be found in 3GPP TR 21.900.       Rel-5       (Release 5)         Rel-6       (Release 6)       Rel-6       (Release 6)
Summary of chang	ge: #
Consequences if not approved:	# Test case will not be added to ATS
Clauses affected:	ж N/A
Other specs affected:	Y       N         %       X         Other core specifications       %         X       Test specifications         X       O&M Specifications
Other comments:	ж

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

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

## *Tdoc* **#***T*1s040099

Title:	Approval of test case 10.1.2.4.7	
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 the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.4.7 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Branches executed in test case 10.1.2.4.7	2
5	Execution Log Files	2
5.1	Nokia 3G UE 7600	2
5.2	Ericsson 3G UE U100	2

Test Case:	TC_10_1_2_4_7
Test Group:	CC/ OutgoingCall / U3
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Branches executed in test case 10.1.2.4.7

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and AutoAttach off.

# 5 Execution Log Files

### 5.1 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 10\_1\_2\_4\_7\_Logs-Nokia\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_4\_7-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 5.2 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 10\_1\_2\_4\_7\_Logs-Ericsson\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_4\_7-pics-pixit-Ericsson.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 6 References

#### [1] T1S040100

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

CR-Form-v7			
	CHANGE REQUEST		
æ	TS 34.123-3 CR <sup>310</sup> <b># rev</b> <sup>-</sup> <sup>#</sup> Current version: <b>3.4.0</b> <sup>#</sup>		
For HELF	P on using this form, see bottom of this page or look at the pop-up text over the $st$ symbols.		
Proposed ch	ange affects: UICC apps# ME Radio Access Network Core Network		
Title:	Addition of NAS test case 10.1.2.4.8 to NAS ATS V3.4.0		
Source:	X   Rohde & Schwarz		
Work item co	ode: א N/A Date: א 02/03/2004		
Category: Reason for c	#       B       Release: %       R99         Use one of the following categories:       Use one of the following releases:       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         Detailed explanations of the above categories can       Rel-4       (Release 4)         be found in 3GPP TR 21.900.       Rel-5       (Release 5)         Rel-6       (Release 6)       Rel-8		
Summary of	change: ж		
Consequenc not approved	d:		
Clauses affe	cted: % N/A		
Other specs affected:	Y       N         X       Other core specifications       %         X       Test specifications       %         X       O&M Specifications		
Other comm	ents: #		

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

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

## **Tdoc #T1s040101**

Approval of test case 10.1.2.4.8	
Rohde & Schwarz	
TTCN Issues	
Approval	
Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731	

## **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.4.8 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Branches executed in test case 10.1.2.4.8	2
5	Execution Log Files	2
5.1	Nokia 3G UE 7600	2
5.2	Ericsson 3G UE U100	2
•		

Test Case:	TC_10_1_2_4_8
Test Group:	CC/ OutgoingCall / U3
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Branches executed in test case 10.1.2.4.8

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and AutoAttach off.

# 5 Execution Log Files

### 5.1 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 10\_1\_2\_4\_8\_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 10\_1\_2\_4\_8-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 5.2 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 10\_1\_2\_4\_8\_Logs-Ericsson\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_4\_8-pics-pixit-Ericsson.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 6 References

#### [1] T1S040102

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

CR-Form-v7			
	CHANGE REQUEST		
<sup>#</sup> TS (	<b>4.123-3</b> CR <sup>311</sup> <b># rev</b> <sup>-</sup> <sup>#</sup> Current version: <b>3.4.0</b>	ж	
For <u>HELP</u> on t	sing this form, see bottom of this page or look at the pop-up text over the $st$ syn	nbols.	
Proposed change	affects: UICC apps# ME Radio Access Network Core Ne	twork	
<i>Title:</i> भ	Addition of NAS test case 10.1.2.9.1 to NAS ATS V3.4.0		
Source: ೫	Rohde & Schwarz		
Work item code: भ	N/A Date: # 02/03/2004		
Category: ₩	B       Release: % R99         Use one of the following categories:       Use one of the following relegation of feature),       Use one of the following relegation of the following relegation of feature),         A (corresponds to a correction in an earlier release)       R96 (Release 1996)         B (addition of feature),       R97 (Release 1997)         C (functional modification of feature)       R98 (Release 1998)         D (editorial modification)       R99 (Release 1999)         Detailed explanations of the above categories can       Rel-4 (Release 4)         be found in 3GPP TR 21.900.       Rel-5 (Release 5)         Rel-6 (Release 6)       Rel-6 (Release 6)	pases:	
Summary of chan	ATS V3.4.0		
Consequences if not approved:	# Test case will not be added to ATS		
Clauses affected:	ж N/A		
Other specs affected:	Y       N         X       Other core specifications       %         X       Test specifications       %         X       O&M Specifications       %		
Other comments:	¥		

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

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

## *Tdoc* **#***T*1s040107

Approval of test case 10.1.2.9.1	
Rohde & Schwarz	
TTCN Issues	
Approval	
Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731	

## **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.9.1 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Branches executed in test case 10.1.2.9.1	2
5	Execution Log Files	2
5.1	Nokia 3G UE 7600	2
5.2	Ericsson 3G UE U100	2

Test Case:	TC_10_1_2_9_1
Test Group:	CC/ OutgoingCall / U19
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Branches executed in test case 10.1.2.9.1

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and AutoAttach off.

# 5 Execution Log Files

### 5.1 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 10\_1\_2\_9\_1\_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 10\_1\_2\_9\_1-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 5.2 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 10\_1\_2\_9\_1\_Logs-Ericsson\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_9\_1-pics-pixit-Ericsson.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 6 References

#### [1] T1S040108

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

CHANGE REQUEST			
<sup>#</sup> TS 3	<b>4.123-3</b> CR <sup>312</sup> <b># rev</b> - <b>#</b> Current version: 3	<mark>6.4.0</mark> <sup>⋇</sup>	
For <u>HELP</u> on us	ising this form, see bottom of this page or look at the pop-up text over th	е ж symbols.	
Proposed change a	affects: UICC apps# ME Radio Access Network (	Core Network	
Title: ೫	Addition of NAS test case 10.1.2.3.1 to NAS ATS V3.4.0		
Source: ೫	Rohde & Schwarz		
Work item code: #	N/A Date: # 02/03	/2004	
Category: ೫	B       Release: % R99         Use one of the following categories:       Use one of the following categories:         F (correction)       2         A (corresponds to a correction in an earlier release)       R96         B (addition of feature),       R97         C (functional modification of feature)       R98         D (editorial modification)       R99         Detailed explanations of the above categories can       Rel-4         be found in 3GPP TR 21.900.       Rel-5         e: % To add verified GCF package 2 NAS test case 10.1.2.3.1 to the approximation ATS V3.4.0	wing releases: Phase 2) :e 1996) :e 1997) :e 1998) :e 1999) :e 4) :e 5) :e 6)	
Summary of change	ye: #		
Consequences if not approved:	# Test case will not be added to ATS		
Clauses affected:	ж N/A		
Other specs affected:	Y       N         X       Other core specifications       %         X       Test specifications       %         X       O&M Specifications		
Other comments:	ж		

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

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

## *Tdoc* **#***T*1s040091

Approval of test case 10.1.2.3.1
Rohde & Schwarz
TTCN Issues
Approval
Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 10.1.2.3.1 which is part of the NAS test suite.

With no changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 5). Execution log files are provided as evidence.

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Branches executed in test case 10.1.2.3.1	2
5	Execution Log Files	2
5.1	Nokia 3G UE 7600	2
5.2	Ericsson 3G UE U100	2

Test Case:	TC_10_1_2_3_1
Test Group:	CC/ OutgoingCall / U1
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

## 4 Branches executed in test case 10.1.2.3.1

The test case implementation executed the CS branch for NMO\_I, UE\_OpMode A with Integrity activated, Ciphering disabled, and AutoAttach off.

# 5 Execution Log Files

### 5.1 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 10\_1\_2\_3\_1\_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 10\_1\_2\_3\_1-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 5.2 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 10\_1\_2\_3\_1\_Logs-Ericsson\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_3\_1-pics-pixit-Ericsson.txt** Text file containing all PICS/PIXIT parameters used for testing.

## 6 References

#### [1] T1s040092

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

	CR-Form-v7
<sup>ж</sup> ТS 34.′	<b>123-3</b> CR <sup>313</sup> <b># rev</b> - <sup>#</sup> Current version: <b>3.4.0</b> <sup>#</sup>
For <u>HELP</u> on using	this form, see bottom of this page or look at the pop-up text over the $st$ symbols.
Proposed change affe	cts: UICC apps# ME Radio Access Network Core Network
Title: % Ad	dition of NAS test case 10.1.2.4.3 to NAS ATS V3.4.0
Source: ೫ Ro	hde & Schwarz
Work item code: # N//	<b>Date:</b> ೫ <mark>02/03/2004</mark>
Category: # B Use Det be Reason for change: # Summary of change: #	Release: #       R99         e one of the following categories:       Use one of the following releases:         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         tailed explanations of the above categories can       Rel-4       (Release 4)         found in 3GPP TR 21.900.       Rel-5       (Release 5)         Rel-6       (Release 6)       Rel-6       (Release 6)
Consequences if not approved:	Test case will not be added to ATS
Clauses affected:	§ N/A
Other specs ३ affected:	Y       N         X       Other core specifications         X       Test specifications         X       O&M Specifications
Other comments: 3	ß

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

Title:	Changes to test case 10.1.2.4.3 required for approval
Source:	Rohde & Schwarz
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 10.1.2.4.3 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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2	Table of Contents	1
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4.2	tc 10 1 2 4 3 (WA#NAS4425)	2
4.3	cbs Progress32 (WA#NAS4423)	3
4.4	cs_ProgInd32_lv (WA#NAS4424)	3
5	Branches executed in test case 10.1.2.4.3	4
6	Execution Log Files	4
6.1	Nokia 3G UE 7600	
6.2	Ericsson 3G UE U100	4
7	References	4

Test Case:	TC_10_1_2_4_3
Test Group:	CC/ OutgoingCall / U1
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

# 4 Corrections required for test case 10.1.2.4.3

#### 4.1 Introduction

This section describes the changes required to make test case 10.1.2.4.3 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 10.1.2.4.3:

WA#NAS4218, WA#NAS4395, WA#NAS4396, WA#NAS4397, WA#NAS4401, WA#NAS4402, WA#NAS4404 & WA#NAS4398, WA#NAS4420

#### 4.2 tc\_10\_1\_2\_4\_3 (WA#NAS4425)

Test step name	tc_10_1_2_4_3
Reason for change	According to the prose, a progress indicator value of #32 'call is end-to-end PLMN/ISDN' should be used
Summary of change	Changed from "cbs_Progress4" to "cbs_Progress32"
Source of change	New change
Label	WA#NAS4425

6		+ ts_CC_PrEnterU3_3 (tsc_CellA)		3.
7	TBS	(trv_TestBody := TRUE)		
8		Dc1RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cbs_Progress32 (trv_TI_S) )	Step 1 VA#NAS4425
9		+ ts_CC_CheckState (tsc_CellA, tsc_StateU3)		4. Steps 2-3

## 4.3 cbs\_Progress32 (WA#NAS4423)

Test step name	cbs_Progress32
Reason for chan	ge As there is no generic PDU constraint of type 'Progress', another constraint similar to "cbs_Progress4" needs to be created
Summary of char	nge Created PDU constraint "cbs_Progress32"
Source of change	e New change
Label	WA#NAS4423
Constraint Name:	cbs_Progress32 (p_TI:TI)
Group:	

Group:				
PDU Name:	PROGRESS			
Derivation Path:				
Encoding Rule Name:				
Encoding Variation:				
Comments:	WAINAS442	3		
Field Nam	e	Element Value	Type Encoding	Comments
1		p_TI		
cC_ProtocolDiscrimina	ator	1001118		
msgType		'00000011'8		
progind		cs_Progind32_h/		
userUser		-		

## 4.4 cs\_ProgInd32\_lv (WA#NAS4424)

Test step name	cs_ProgInd32_lv
Reason for change As there is no generic constraint of type 'ProgInd_lv', another consimilar to "cs_ProgInd4_lv" needs to be created	
Summary of change	Created constraint "cs_ProgInd32_lv"
Source of change	New change
Label	WA#NAS4424

Constraint Name:	cs_Progind32_lv					
Group:						
Type Name:	Progind_W					
Derivation Path:						
Encoding Variation:						
Comments:	Progress indicator is with the value #32 (call is end-to-end PLMN/ISDN)					
	WafNAS4424					
-	Element Value Type Encoding Comments					
Element	tName	Element Value	Type Encoding	Comments		
Element	t Name	Element Value	Type Encoding	Comments		
Element iel extBit3	tName	Element Value 10210 11B	Type Encoding	Comments		
Element iel extBit3 codingStd	tName	Element Value 10210 1118 1118	Type Encoding	Comments coding standard		
Element lel extBit3 codingStd spare	tName	Element Value 10210 11B 111B 101B	Type Encoding	Comments coding standard spare bit		
Element lel extBit3 codingStd spare location	tName	Element Value 10210 11B 111B 101B 100011B	Type Encoding	Comments coding standard spare bit		
Element lel extBit3 codingStd spare location extBit4	tName	Element Value 1020 118 118 108 108 100018 118 118 118 109 100018 118 118 118 118 118 118 118 118	Type Encoding	Comments coding standard spare bit extension bit		

## 5 Branches executed in test case 10.1.2.4.3

The test case implementation executed the CS 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 10\_1\_2\_4\_3\_Logs-Nokia\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 10\_1\_2\_4\_3-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 6.2 Ericsson 3G UE U100

The Ericsson 3G UE 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 10\_1\_2\_4\_3\_Logs-Ericsson\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 10\_1\_2\_4\_3-pics-pixit-Ericsson.txt** Text file containing all PICS/PIXIT parameters used for testing.
- •

## 7 References

#### [1] T1040094

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

CHANGE REQUEST				
<sup>ж</sup> ТS 34	4.123-3 CR <sup>314</sup> <b># rev</b> - <b>#</b> Current	version: <b>3.4.0</b> <sup>#</sup>		
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 Ne	twork Core Network		
Title: # /	Addition of NAS test case 9.4.2.3 to NAS ATS V3.4.0			
Source: ೫ <mark>।</mark>	Rohde & Schwarz			
Work item code: 🕱 🚹	N/A Date	e: ೫ <mark>24/02/2004</mark>		
Category: #	B       Release         Use one of the following categories:       Use on         F (correction)       2         A (corresponds to a correction in an earlier release)       R96         B (addition of feature),       R97         C (functional modification of feature)       R98         D (editorial modification)       R99         D tetailed explanations of the above categories can       Release         be found in 3GPP TR 21.900.       Release         W To add verified GCE package 2 NAS test case 0.4.2.3	B: #       R99         ae of the following releases:       (GSM Phase 2)         6       (Release 1996)         7       (Release 1997)         8       (Release 1998)         9       (Release 1999)         4       (Release 1999)         5       (Release 5)         6       (Release 6)		
Reason for change: # To add verified GCF package 2 NAS test case 9.4.2.3 to the approved NAS ATS V3.4.0         Summary of change: # This document lists all changes applied to test case 9.4.2.3 required for approval. See detailed change description for further information.				
Consequences if not approved:	# Test case will not be added to ATS			
Clauses affected: Other specs affected:	%       N/A         %       X         %       X         Test specifications       %         X       O&M Specifications			
Other comments:	¥			

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

Title:	Changes to test case 9.4.2.3 required for approval	
Source:	Rohde & Schwarz	
Agenda Item:	TTCN Issues	
Document for:	Approval	
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731	

## **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.2.3 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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3	Verification Test Summary	2
4	Corrections required for test case 9.4.2.3	2
4.1	Introduction	2
4.2	NAS OtherwiseFail (WA#NAS4420)	2
4.3	tc 9 4 2 3	3
4.3.1	WA#NAS4418	3
4.3.2	WA#NAS4419	3
4.3.3	WA#NAS4422	3
5	Branches executed in test case 9.4.2.3	4
6	Execution Log Files	4
6.1	Nokia 7600	4
6.2	Qualcomm TM6200	4
7	References	4

Test Case:	TC_9_4_2_3
Test Group:	MM/ LocationUpdating / Rejected
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Qualcomm TM6200
Verification Status:	PASS

## 4 Corrections required for test case 9.4.2.3

#### 4.1 Introduction

This section describes the changes required to make test case 9.4.2.3 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.2.3:

WA#NAS4218, WA#NAS4395, WA#NAS4396, WA#NAS4397, WA#NAS4401, WA#NAS4402, WA#NAS4404 & WA#NAS4398

#### 4.2 NAS\_OtherwiseFail (WA#NAS4420)

Test step name		name	NAS_OtherwiseFail				
Reason for change		or change	As most test steps like "ts_NAS_Delay", make use of the Default handler "NAS_OtherwiseFail". The TM SAP also needs to be added to make sure no RRC Connections are received during the wait period.				
Summary of change		y of change	Added TM SAP for 'OTHERWISE' condition				
Source of change		f change	New change				
La	bel		WA#NAS4420				
28		TM?OTHERWISE	(tcv_TestBody = FALSE)		WAINAS4420		
29		CANCEL		0	WA#NAS4420		
30	DFI2	Dt?OTHERWISE	[tcv_TestBody = FALSE]	(1)	2.		
31 CANCEL		CANCEL			3.		
### 4.3 tc\_9\_4\_2\_3

#### 4.3.1 WA#NAS4418

Test step name		tc_9_4_2_3 : It_Body				
Reason for change		According to the prose, in Step 1, Cell C should be set to an attenuation level of a "SuitableNeighbourCell"				
Summary of change		changed "tsc_AttenuationNonSuitableNeighbourCell" to "tsc_AttenuationSuitableNeighbourCell"				
Source of change		New change				
Label		WA#NAS4418				
14	+ts_SS_SwitchCe tsc_CellA, tsc_CellB)	(IPowerLevels)	Step 1:			
15 (dov_CellinfoC.att tov_CellinfoC.mod tov_CellinfoC.mod tov_CellinfoC.lac:= tov_CellinfoC.nmo tov_CellinfoC.attFl tov_CellinfoC.attFl		enuationLevet=tsc_AttenuationSuitableNeighbourCell, = tsc_MCC_Det, = tsc_MNC_010, tsc_LAC_3, =tsc_NMO_II, ag:= tsc_AttOn, 2 = tsc_T3212_1)	Step1: Set specific values for Cell C WAINAS4418			
16	+ts_MM_StartCel	IC	Start neighbour cell C			

#### 4.3.2 WA#NAS4419

Test step name	tc_9_4_2_3 : It_BodyPart2
Reason for change	Test step no longer required as, Cell A is already set to a power level of a "SuitableNeighbourCell"
Summary of change	Removed test step "ts_SetAttenuationLevel" from 'lt_BodyPart2'
Source of change	New change
Label	WA#NAS4419

#### 4.3.3 WA#NAS4422

Test step name	tc_9_4_2_3
Reason for change	According to the prose, in Step 1, Cell B should be set to an attenuation level of a "SuitableNeighbourCell"
Summary of change	changed "tsc_AttenuationNonSuitableNeighbourCell" to "tsc_AttenuationSuitableNeighbourCell"
Source of change	New change

Label	WA#NAS4422	
1	START L_Ouard(720)	
2	+ts_MM_InitFreqs_9_4_2_3And5	Initialize frequencies as specifically required
3	(tcv_CN_Domain:= cs_domain)	Sets domain for testing
4	(tcv_CellInfoB.attenuationLevel:=tsc_AttenuationSuitableNeighbourCell, tcv_CellInfoB.mcc:= tsc_MCC_Def, tcv_CellInfoB.mcc:= tsc_MNC_Def, tcv_CellInfoB.lac:= tsc_LAC_2, tcv_CellInfoB.nmo:=tsc_NMO_II, tcv_CellInfoB.attFlag:= tsc_Atton, tcv_CellInfoB.sttFlag:= tsc_Atton,	Set specific values for Cell B same MCC, MNC as for Cell A VOMPNAS4422
5	+ts_MM_StartCellB	Start neighbour cell B

### 5 Branches executed in test case 9.4.2.3

The test case implementation executed the CS branch for NMO\_II, UE\_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

# 6 Execution Log Files

#### 6.1 Nokia 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\_2\_3\_Logs-Nokia\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 9\_4\_2\_3-pics-pixit-Nokia.txt** Text file containing all PICS/PIXIT parameters used for testing.

#### 6.2 Qualcomm TM6200

The Qualcomm TM6200 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

• Execution log files 9\_4\_2\_3\_Logs-Qualcomm\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

#### PICS/PIXIT file 9\_4\_2\_3-pics-pixit-Qualcomm.txt Text file containing all PICS/PIXIT parameters used for testing.

### 7 References

[1] T1s040081

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

CHANGE REQUEST								
<sup>ж</sup> TS 3	<mark>4.123</mark> -	- <mark>3</mark> CR	315	ж <b>rev</b>	- #	Current vers	<sup>ion:</sup> <b>3.4.0</b>	ж
For <u>HELP</u> on u	ising this	form, see	bottom of th	is page or	look at th	ne pop-up text	over the # syr	nbols.
Proposed change	affects:	UICC a	ops#	ME	Radio A	Access Networ	rk 🔜 Core Ne	etwork
Title: %	Addition	of NAS te	est case 9.4.8	8 to NAS A	ATS V3.4	.0		
Source: ೫	Rohde &	& Schwarz						
Work item code: %	N/A					Date: ೫	13/02/2004	
Category: ₩	B Use <u>one</u> F (( A ( B ( C ( D ( Detailed be found	of the follo correction) correspond addition of functional re editorial mo explanation in 3GPP <u>1</u>	wing categories to a correction feature), modification of odification) no of the above R 21.900.	es: on in an ear feature) e categorie:	rlier releas s can	Release: % Use <u>one</u> of 2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	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	e: # To V3.	add verifie 4.0	ed GCF pack	age 2 NAS	S test cas	se 9.4.8 to the	approved NAS	ATS
Summary of change: # This document lists all changes applied to test case 9.4.8 required for approval. See detailed change description for further information.								
Consequences if not approved:	ж Те	st case wil	I not be adde	ed to ATS				
Clauses affected:	₩ <mark>N//</mark>	N						
Other specs affected:	¥	X Other X Test s X O&M	core specific pecifications Specification	cations s	¥			
Other comments:	ж							
How to create CRs using this form:								

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

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

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

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

Title:	Changes to test case 9.4.8 required for approval		
Source:	Rohde & Schwarz		
Agenda Item:	TTCN Issues		
Document for:	Approval		
Contact:	Thomas Moosburger thomas.moosburger@rsd.rohde-schwarz.com Tel. +49 89 4129 11731		

### **1** Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.8 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

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4.2	ts_MM_LupInit2wIP (WA#NAS3038)	2
4.3	tc_9_4_8:lt_Reconfigure, line 15 (WA#NAS3041)	3
4.4	tc_9_4_8, line 5 & 6 (WA#NAS3044)	3
4.5	tc_9_4_8, line 6 (WA#NAS3045)	4
4.6	ts_MM_IMSI_Detach_with_IMSI (WA#NAS3046)	4
4.7	c_IMSI_DetachInd2 (WA#NAS3047)	5
4.8	tc_9_4_8:lt_Reconfigure, line 1 (WA#NAS3048)	6
5	Branches executed in test case 9.4.8	7
6	Execution Log Files	7
6.1	Nokia 3G UE 7600	7
7	References	7

# **3 Verification Test Summary**

Test Case:	TC_9_4_8
Test Group:	MM/LocationUpdating/Location_Updating_after_UE_power_off
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 9.4.8

#### 4.1 Introduction

This section describes the changes required to make test case 9.4.8 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.8:

WA#NAS4286, WA#NAS4396, WA#NAS4397, WA#NAS4398

#### 4.2 ts\_MM\_LupInit2wIP (WA#NAS3038)

Test step name	ts_MM_LupInit2wIP
Reason for change	after switch on the UE, the SecurityMode will not be accepted due to invalid authentication keys in test step ts_MM_LupInit2wIP
Summary of change	insert in ts_MM_LupInit2wIP line 2 the test step ts_MM_Authentication and set the boolean flag for new keys in line 3 from FALSE to TRUE
Source of change	New change
Label	WA#NAS3038

	Test Step						
Test S	est Step ldt 1s_MM_LupInit2wiP(p_Celld: INTEGER; p_LUT : B2)						
Test S	step	Group Ref:	MM_Steps/				
Object	tive		To perform initial part of a Location Updating Procedure				
Defeui	ħг:		NAS_OtherwiseFail				
Comments: RRC connection establishment and Location Update request following. Type passed as parameter, other values not relevant. ts_MM_Lupinit2 with integrity Protection. ViAINAS3038					, other values not relevant.		
			Behaviour Description	Constraint	Ver	Convents	
1	I +ts_MM_Lupint2( p_Celld, p_UUT)						
2		+Iz_MM_AL	#hentication (p_Cellid)				
3 *ts_RRC_Security( p_Cells, tcv_AuthCK, tcv_AuthKK, tcv_AuthKoGSM, TRUE, Cs_domain)							

# 4.3 tc\_9\_4\_8:lt\_Reconfigure, line 15 (WA#NAS3041)

Test step name	tc_9_4_8:It_Reconfigure, line 15
Reason for change	in tc_9_4_8: It_Reconfigure in line 3, 4 & 5, the Cell A,B & C will be started again instead of only changing the power of the cells
Summary of change	exchange in tc_9_4_8: lt_Reconfigure in line 3, 4 & 5 the test steps ts_MM_StartCellA, ts_MM_StartCellB & ts_MM_StartCellC with ts_SetAttenuationLevel ( tsc_CellA, tcv_CellInfoA.attenuationLevel), ts_SetAttenuationLevel ( tsc_CellB, tcv_CellInfoB.attenuationLevel) & ts_SetAttenuationLevel ( tsc_CellC, tcv_CellInfoC.attenuationLevel)
Source of change	New change

Label

WA#NAS3041

1. P	sconfigure	
18	+ts_MM_PwrOrUSM_Oft(tsc_USM_NeedRmv)	Step 10: Deactivate the UE
19	(tov_CellinfoA attenuationLevet +tsc_AttenuationNorSuitableNeighbourCell, tov_CellinfoB attenuationLevet +tsc_AttenuationSuitableNeighbourCell, tov_CellinfoC attenuationLevet +tsc_AttenuationSuitableNeighbourCell )	Step 11 Set specific values for Cells A,B,C
20	+ts_SetAttenuationLevel ( tsc_CellA, tcv_CellinfoA.attenuationLevel)	Set type of Cell A to non suitable, WARNAS3041
21	+ts_SetAttenuationLevel ( tsc_CellB, tcv_CellinfoB attenuationLevel)	Set type of Cell B to subable neighbour cell
22	sta_SetAttenuationLevel (tsc_CeliC, tov_CelintoC.attenuationLevel)	Set type of Cell C to suitable neighbour cell
23	+ts_MM_PwrCrUSM_On(tsc_USIM_NeedRnv)	Step 12 Activation of the UE in automatic network selection mod e
24	+t_Continue	

# 4.4 tc\_9\_4\_8, line 5 & 6 (WA#NAS3044)

Test step name	tc_9_4_8, line 5 & 6
Reason for change	in tc_9_4_8 line 5 & 6, tsc_MCC_022 is assigned to tcv_CellInfoB.mnc and tsc_MCC_Def is assigned to tcv_CellInfoC.mnc
Summary of change	change assignment from tcv_CellInfoB.mnc to tcv_CellInfoB.mcc and tcv_CellInfoC.mnc to tcv_CellInfoC.mcc
Source of change	New change
Label	WA#NAS3044

18	£	Between Description	Constraint Rel	Cowrects	
1	100	START LOURS	The latent of the		
2		-0.3M_005401_8_4_5_440		adadge mequencies as specifically required	
3		(tcv_CN_Domain = cs_domain)		Sets dansen for beating	
4		(Dov_CellerituA.revot~1oc_NWO_II)		Set specific values for Cell A	
8		(bry Cellinfoll attenuation) and this Attenuation/Acrification/Acrification/Cell, try Cellinfoll and Internation (2022) try Cellinfoll and The JMKC 22, try Cellinfoll and The JAKC 2. try Cellinfoll and the JMKC 20.		Set specific values for Cell D Www.wvkS3044	
0		tov_CellistoC attenuationLevel-toc_AttenuationNorSubateNeightourCet, tov_CellistoC mits = toc_MCC_Det, tov_CellistoC mits = toc_MCC_Det, tov_CellistoC mits = toc_MCC_Det, tov_CellistoC mits = toc_JAVC_D) tov_CellistoC mits = toc_JAVC_D)		Bet specific values for Cell C values/species values/species values/species	
1		-t_Body		The second se	
8		+po_ConnectionAndSS_Rels		Release all resources	

### 4.5 tc\_9\_4\_8, line 6 (WA#NAS3045)

Test step name	tc_9_4_8, line 6
Reason for change	according to 34.123-1, chap. 9.4.8.4, in step 1 the Cell B & C should be a "non-suitable cell"
Summary of change	change in tc_9_4_8: line 6 from tsc_AttenuationSuitableNeighbourCell to tsc_AttenuationNonSuitableNeighbourCell
Source of change	New change

Label		WA#NAS3045				
tie .	L.,	Detaxicar Description	Constrant Ref:	1.1.1.4	Converts	
τ. I	-	START & Guard			CONTRACTOR AND AND A CONTRACT OF A DATE OF	
2		-ta.JML/HT1000.3.4.5.Ada			Indialize trequencies as specifically required	
\$		Rov_ON_Doveance os_doveter)			Sets domein for testing	
4		(tox_CalintoA.rans+tac_NMO_I)			Sat specific values for Cel A	
2		dev_CalletaSistemusterLevel+tsc_AttenuiterHorSutabilitightourCell, tev_CalletaEnsex=tsc_MCC_022; tev_CalletaEnsex=tsc_MAC_2, tev_CalletaEnsex=tsc_MAC_2, tev_CalletaEnsex=tsc_MAC_2; tev_CalletaEnsex=tsc_MAC_0;			Set specific veters for CeRE	
		they Collimbo attenuation Level Haz, Attenuation NonSolitation Heightows Coll, two Collimbo Reserve to C. MCC, Det , two Collimbo Reserve to C. MCC, D10, two Collimbo Reserve Land, JAC, JA two Collimbo Reserve Land, JAC, JA			Set specific values for Cell C Vocana/CED44 Vocana/CED45	
7		+t_Rody				
		+pe_ConnectionAnel55_flats			Polesso al recources	

### 4.6 ts\_MM\_IMSI\_Detach\_with\_IMSI (WA#NAS3046)

Test step name	ts_MM_IMSI_Detach_with_IMSI
Reason for change	according to T1-04305 a IMSI detach should be considered after a successful Location Update procedure. The existing test step ts_MM_IMSI_Detach uses the TMSI for the detach. In the location update procedure before the UE does not get a TMSI and will therefore detach with IMSI
Summary of change	create new the test step ts_MM_IMSI_Detach_with_IMSI using constraint with IMSI for the detach
Source of change	New change
Label	WA#NAS3046

Sec. and and			Test Step				
Text Step M         ts_MM_MS3_Retext_vettr_MS3 (pCallet IniTioR( pISM_Rever_BOOLD)           Text Step Once; Ret         Beach(_MM_CMM_Steps)           Description         Parce Ret UE to execute the MS Detects procedure           Defaultion         NAS_OPtimetics*al           Convention         To achieve this, mechanism the UE depending upon its properties (USM res           VALUES         NAS_OPtimetics*al			BOOLEAN) SM reward, evoluting off or powering of ().	A() avail, av-facting off or prevening of().			
	i	Behaviour Description	Constraint Ref	Veville	General		
1	(pr_USM) (pr_USM) (pr_Detection)	/hwwd) AND /haw ( AND HON/((Bit Rev))			USIM heads to be renoved.		
3	42.MM.	USH_Nersons			remove USM clerit		
3	48_MS	Debuch					
4	Inc. Sects	HOROT)					
5.	H1,184,	UE_Switch Off			owton off the UE		
£.	+8, MS	Detech					
2	lac_Detac	2/ORP-WIDE					
8	HI_MM_LE_PWFOT			_	power of the UE		
0	-4, MS,	Detace					
10	g 100001 L 19 1000 L 19 1000 L 29 1000 L 29 1000	JSBM_Revel 1 OF USBM_Revel 1 OF OMACACHARSIM_Revel 11 AND SelectionFile(T) AND DetectionFile(T) AND					
15	H2.3M	JE_Pwi0t			power off the LE		
LWS De	\$8(F)						
12	40_990_	ConstExt ( a_Cellel, ind_MO, detach)			Connection Establishment MO		
13 1524	(try_line	(patiens) 1. = MMC_(patiens) start (	car_ytdDirectTransfer ( tic_CelDedicated, toc_PES, c_MS_Detective())	(P)			
14	4 to 55,	_SecurityDownloadSatt ( cc_domain, tc+_Slart )					
15	eta_RPK	C_Convertinet(p_Califid, carit_Distri)			Connection Release		
16	+31_98	C_ConvRejectGMM_Detach ( a_Cella )					

## 4.7 c\_IMSI\_DetachInd2 (WA#NAS3047)

Test step name	c_IMSI_DetachInd2
Reason for change	according to T1-04305 a IMSI detach should be considered after a successful Location Update procedure. The constraint c_IMSI_DetachInd use the c_MobileTMSI_Iv for the mobileId element
Summary of change	create new constraint c_IMSI_DetachInd2, which use c_MobileIMSI_lv for the mobileId element
Source of change	New change
Label	WA#NAS3047

Concernance -		PDU Card	traint Declaration	
Constraint Name	r_MSLDenmind			
Group	AND REAL PROPERTY AND			
Derivation Path	Rabel Acresco 10	7		
Encoding Rule Name				
Encoding Venilitien				
Colevents:	THEESAMALAN			
the second second	ed lane	Elenerit Vilue	Type Encoding	Converto
(Apindicator		100878	A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR A CONT	
#MProtocoDiscriming	to:	101019		
regType		17700000118		
rSClass!		c_MS_Clank1_Set		
estated		c_MobledMELUy		MS/DETACH NORCATION wessage carries INSI WE readics element

# 4.8 tc\_9\_4\_8:lt\_Reconfigure, line 1 (WA#NAS3048)

Tes	st step name	tc_9_4_8:lt_Reconfigure, line 1	
Reason for change Summary of change		according to T1-04305 a IMSI detach shou Location Update procedure	uld be considered after a successful
		exchange in tc_9_4_8: It_Reconfigure in li ts_MM_PwrOrUSIM_Off with ts_MM_IMSI	ne 1 the test step I_Detach_with_IMSI
Sou	urce of change	New change	
Lab	bel	WA#NAS3048	
#_Reco	erigan .		
18	Hs.MM_MG_Detect_with	MGI(10:_CelA.to:_USM_NeedRev)	Shipi 10 Decidivate the UE Vinuthuk 5045
19	Box_CollinitisA attenuation(Levice)_Collinities attenuation(Levice)_Collinities attenuation(Levice)_Collinities.collinitit.collinities.collinities.collinities.collinities.	enet ntsc., Atlemundion Kon Guitalateineigh bour Cell, et -Asc., Atlemundion Suitalateineigh bour Cell, et -Asc., Atlemundion Suitalateineigh bour Cell (	Ship 11 Set opecific values for Cells A.B.C
20	+ts_SetAtlenuationLevel()	to: _CellA, tov_CellintoA attenuationLevel)	Set type of Cell A to non subable, WARNAS3041
21	vtz_SetAtienuationLevel ()	toc_CellEl, tov_CellinfoEl attenuationLavel)	Set type of Cell 8 to suitable neighbour cell
22	+Is_SetAttervationLevel (	tsq_CellC, tov_CellintoC.nterustionLevel)	Set type of Cell C to subside neighbour cell
23	+ts_MM_Pwr0rUSBI_On	(ac_LGB(_Medfilm)	Step 12 Activation of the UE in automatic network selection mode
24	+t_Continue		

### 5 Branches executed in test case 9.4.8

The test case implementation executed the CS branch for NMO\_II, UE\_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

# 6 Execution Log Files

#### 6.1 Nokia 3G UE 7600

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

- Execution log files 9\_4\_8\_Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- PICS/PIXIT file 9\_4\_8-pics-pixit.txt Text file containing all PICS/PIXIT parameters used for testing.

### 7 References

#### [1] T1S040024

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

CR-Form-v7 CHANGE REQUEST				
<sup>#</sup> TS 34	.123-3 CR 316 <b>* rev</b> <sup>-</sup> <sup>*</sup> Current version: 3.4.0 <sup>*</sup>			
For <u>HELP</u> on us	ng this form, see bottom of this page or look at the pop-up text over the $st$ symbol	ls.		
Proposed change a	fects: UICC apps# ME Radio Access Network Core Netwo	rk		
Title: #	ddition of NAS test case 12.6.1.2 to NAS ATS V3.4.0			
Source: ೫	ohde & Schwarz			
Work item code: #	/A Date: 策 03/02/2004			
Category: #	B       Release: % R99         Ise one of the following categories:       Use one of the following release         F (correction)       2       (GSM Phase 2)         A (corresponds to a correction in an earlier release)       R96       (Release 1996)         B (addition of feature),       R97       (Release 1997)         C (functional modification of feature)       R98       (Release 1998)         D (editorial modification)       R99       (Release 1999)         etailed explanations of the above categories can       Rel-4       (Release 4)         e found in 3GPP TR 21.900.       Rel-5       (Release 6)         **       To add verified GCF package 2 NAS test case 12.6.1.2 to the approved NAS V3.4.0       See detailed change description for further information.	s: ATS		
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         X       Test specifications       X         X       O&M Specifications       A corresponding prose CR will be rated and the corresponding pro	ised		
Other comments:	x			

#### How to create CRs using this form:

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

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

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

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

Title:	Changes to test case 12.6.1.2 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 12.6.1.2 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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# **3** Verification Test Summary

Test Case:	TC_12_6_1_2
Test Group:	GMM/ Authentication_and_ciphering
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

# 4 Corrections required for test case 12.6.1.2

#### 4.1 Introduction

This section describes the changes required to make test case 12.6.1.2 run correctly with a 3G UE. All modifications are marked with label "WA#NAS<number>" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS\_wk04.mp which is part of the iWD-TVB2003-03\_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 12.6.1.2:

WA#NAS4218

#### 4.2 ts\_RegistrationOnCS2

#### 4.2.1 WA#NAS4243

Test step name	ts_RegistrationOnCS2
Reason for change	If UE is to be attached with IMSI, then a TMSI Reallocation Complete will not be sent by the UE $% \mathcal{T}_{\mathrm{S}}$
Summary of change	Removed TMSI Reallocation Complete message
Source of change	New change
Label	WA#NAS4243

#### 4.2.2 WA#NAS4242

Test step name	ts_RegistrationOnCS2
Reason for change	Wrong Cell ID used in "ts_Registration_CS2" for Location Update
Summary of change	Replaced p_CellId with tsc_Celldedicated
Source of change	New change

Lab	el	WA#NAS4242			
Test	Test Step Id: ts_RegistrationOnCS2 (p_Cellid : INTEGER )				
Tests	Step Group Ref:	GMM_InternalSteps/			
Objec	tive:	Register to CS services according to 3GPP	34.108 clause 7.2.2.1. Registrati	on p	arameter IMSI is used.
Defau	its:	NAS_OtherwiseFail			
Com	ments:	Note that it is assumed that the UE has alre y the user of this test step. WA#NAS4243	ady a DCCH connection. Conne	ction	establishment and release have to be managed b
		Behaviour Description	Constraint Ref		Comments
1	+ts_SetTmp(	Cellinfo (p_Cellid)			Fetch SS_Cell_info table correponding to the cell
2	Dc?RRC_D: (tcv_Start := )	ataind RRC_Dataind.start)	car_InitDirectTransfer( tsc_CellDedicated, tsc_RB3, cb_LocUpdRegAmy(?))		LOCATION UPDATING REQUEST
3	+ ts_SS_Se	curityDownloadStart (cs_domain, tcv_Start )			
4	4 +ts_MM_Authentication(p_Cellid)				AUTHENTICATION REQUEST AUTHENTICATION RESPONSE
5 +ts_RRC_Becurity( p_Cellid, tov_AuthCK, tov_AuthIK, tov_AuthIK,				SECURITY MODE COMPLETE	
6	DdRRC_(	DataReq	ca_DataReq( tsc_CellDedicated, tsc_RB3, cs_LocUpdAcpIMSI( tov_TmpCellInfo.mcc, tov_TmpCellInfo.mnc, tov_TmpCellInfo.lac))		LOCATION UPDATING ACCEPT

### 4.3 tc\_12\_6\_1\_2

#### 4.3.1 WA#NAS4380

Test step name	tc_12_6_1_2 : It_TestBody
Reason for change	According to the prose, Registration on CS is not required as ATT flag is switched off after Idle Update.
Summary of change	Removed "ts_RegistrationOnCS2_IfOpModeA" in testbody
Source of change	New change
Label	WA#NAS4380

### 4.3.2 WA#NAS4364

Test step name	tc_12_6_1_2
Reason for change	According to the prose, in Step 1, Cell B should be set to an attenuation level of a "Non-Suitable cell"
Summary of change	Changed "tsc_AttenuationSuitableNeighbourCell" to "tsc_AttenuationNonSuitableNeighbourCell"
Source of change	New change

	_abe	WA#NAS4364			
		Behaviour Description	Constrain	Verdict	Comments
1		START t_Guard(300)			
1	2	+ts_InitVariables			
2.5	)	(trv_CellInfoA.nmo := tsc_NMO_II, trv_CellInfoB.attenuationLevel := tsc_AttenuationNonSuitableNeighbourCell, trv_CellInfoB.nmo := tsc_NMO_II, trv_CellInfoB.rac := tsc_RAC_2 )			Test case specific cell settings WAPNAS4364
4	1	+ts_GMM_Config_CellA_CellB			Configure cell A and cell B
ť	5	+ts_GMM_AttachReject(tsc_CellA)			Invalidate temporary USIM paramters

#### 4.3.3 WA#NAS4381

Test step name	tc_12_6_1_2 : It_TestBody
Reason for change	Incorrect test step used for UE's supporting AutoAttach OFF on Switch ON, as Attach Request needs to be triggered via AT cmds.
Summary of change	Replaced "ts_MMI_UE_SwitchOn" to "ts_MMI_UE_SwitchOnTriggerGMM_Attach"
Source of change	New change
Label	WA#NAS4381

It_Tes	1Body		
25	(tcv_TestBody = TRUE)	(P)	
26	+ts_MMI_UE_SwitchOnTriggerGMM_Attach		WA#NAS4381
27	+ts_RRC_ConnEst(		
tsc_CellA,			
est_Reg,			
	registration)		
28	dcv_OMM_AttachExpect := TRUE, tcv_OMM_AttachRec := FALSE )		Flags used by NAS default handler
29	+It_Attach_and_AuthenticationReject_Steps_3To8		

#### 4.3.4 WA#NAS4385

 Test step name
 tc\_12\_6\_1\_2 : It\_Attach\_and\_AuthenticationReject\_Steps\_3To8

**Reason for change** Authentication parameters like the PS key sequense number needs to be calculated.

Summary of change Added test step "ts\_GMM\_AuthenticationInit"

Source of change New change

Label

WA#NAS4385

50	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start.)		
51	+ts_GMM_AuthenticationInit		Compute authentication par amters including tov_PS_Au thCK and tov_PS_AuthIK WA#NAS4385
52	Dc1RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated,tsc_RB3, cs_AuthAndClphReq ( c_OMM_AuthRAND(tsc_AuthRAND), c_OMM_KeySeq_Mtxv_PS_KeySeq), c_GMM_AuthAUTN(tsc_AuthAUTN) ))	Step 6. AUTHENTICATION AND CIPHERING REQUES T using relevant PS keys com puted before.

#### 4.3.5 WA#NAS4366

Test step name	tc_12_6_1_2 : It_TestBody			
Reason for change According to the prose, in Step 11 the cell power levels should be switched with "Non-Suitable cell" for Cell A & "Serving cell" for Cell B. Therfore test step "ts_SS_SwitchCellPowerLevels" should be used rather than "It_SwitchPowerLevels"		r levels should be switched I" for Cell B. Therfore test step I rather than		
Summary of change	Changed "It_SwitchPowerLevels" to "ts_SS_SwitchCellPowerLevels"			
Source of change	New change			
Label	WA#NAS4366			
31 +ts_Verit/NoAcces	s(10*1)	Step 10		
32 +ts_SS_SwitchCe	IPowerLevels(	Step 11		
tsc_CellB,		VIA#NAS4366		
TSC_CellA)	200 + 1 1	Phys. 1.0		
aa +ts_ventyNuAcce	55 (30 * 1 )	80ep 13		

#### 4.3.6 WA#NAS4367

Test step name	tc_12_6_1_2 : It_TestBody
Reason for change	According to the prose, no IMSI detach is expected on switch off. Therfore the ATT flag for Cell B has to be turned off.
Summary of change	Switched off Att Flag & added "ts_SysInfoModifyMM" to inform UE of change in SIB's
Source of change	New change
Label	WA#NAS4367

Labor	W/ (#10/04/00/	
42	+ts_RRC_ConnRel(tsc_CelB, cell_Dch)	WA#NAS4310
43	(tov_CellinfoB.attFlag = tsc_AttOff)	WAINAS4367
44	+ts_SysinfoModifyMM( tsc_CellB, tcv_CellInfoB.mcc, tcv_CellInfoB.mcc, tcv_CellInfoB.tac, tcv_CellInfoB.tafFlag, tcv_CellInfoB.t3212, tcv_CellInfoB.rac, tcv_CellInfoB.rac, tcv_CellInfoB.rmo)	WA#NAS4367
45	+1s_AT_TriggerGMM_Attach	WA#NAS4310

### 4.3.7 WA#NAS4368

Test step name	tc_12_6_1_2 : It_TestBody
Reason for change	In order to briing the cell power levels to the original attenuation levels, they should be switched with "Non-Suitable cell" for Cell B & "Serving cell" for Cell A as mentioned in Step 1. Therfore test step "ts_SS_SwitchCellPowerLevels" should be used rather than "It_SwitchPowerLevels"
Summary of change	Changed "It_SwitchPowerLevels" to "ts_SS_SwitchCellPowerLevels"
Source of change	New change
Label	WA#NAS4368

46	+It_Attach_Steps_20To22	On cell B
47	+ts_GMM_DetachOnSwitchOff (tsc_CellB )	Steps 23 to 24
48	*ts_SS_SwitchCellPowerLevels(	Set again cell A as Serving cell
	tst_CellB,	WAPNAS4368
	tsc_CellA)	
IL_Attach_and_AuthenticationReject_Steps_3To8		

### 4.3.8 WA#NAS4194

Test step name	tc_12_6_1_2 : It_Attach_and_AuthenticationReject_Steps_3To8
Reason for change	Authentication Response without Extension is not accounted for in Test Body.
Summary of change	Added local Test step "It_AuthAndCiph_Resp" to handle Authentication Response with & without extension

Source of change New change

Label

# WA#NAS4194

Label	WA#NAS4194		
51	Dr I RRC_DataReq	ca_PS_DataReq(tsc _CellDedicated,tsc_ RB3, cs_AuthAndClphReq ( c_GMM_AuthRAND(tc v_AuthRAND), c_GMM_KeySeq_M(tc v_PS_KeySeq), c_GMM_AuthAUTN(tc v_AuthAUTN) ))	Step 6. AUTHENTICATION AND CIPH ERING REQUEST using relevant PS keys computed be fore.
52	+It_AuthAndCiph_Resp		Step 7. WARNAS4194
53	Dc1RRC_DataReq	ca_PS_DataReq(tsc _CellDedicated,tsc_ RB3, cs_AuthAndCiphRej )	Step 8. AUTHENTICATION AND CIPH ERING REJECT

It_Aut	thAndCiph_Resp		
63	Do ? RRC_DataInd ( tov_TmpAuthAndCiphRspPDU := RRC_DataInd.msg, tov_AuthRsp := tov_TmpAuthAndCiphRspPDU.authRsp.value, tov_AuthRspExt := tov_TmpAuthAndCiphRspPDU.authRspExt )	car_PS_UplinkDirect Transfer(tsc_CellDe dicated, tsc_RB3, cr_AuthAndCiphRsp (c_AuthRspAny_tr,c_ AuthCiphRspExtAny)	Step 7. AUTHENTICATION AND CIPH ERING RESPONSE including Authentication Response p aramters (RES) WWWNAS4194
64	Dc 7 RRC_DataInd ( tcv_TmpAuthAndCiphRspPDU := RRC_DataInd.msg, tcv_AuthRsp := tcv_TmpAuthAndCiphRspPDU.authRsp.value )	car_PB_UplinkDirect Transfer (tsc_CeliDe dicated , tsc_RB3, cr_AuthAndCiphRsp (t_AuthRspAny_tr,-) )	Step 7. AUTHENTICATION AND CIPH ERING RESPONSE including Authentication Response p aramters (no extension) WARNAS4194

#### 4.3.9 WA#NAS4370

Test step name	tc_12_6_1_2 : lt_Attach_Steps_20To22
Reason for change	Upon trigger of the AT commands, the RRC Connection establishment is not handled in "It_Attach_Steps_20To22"
Summary of change	Added test step "ts_RRC_ConnEst"
Source of change	New change

Label	WA#NAS4370		
It_Attaci	h_Steps_20To22		
56	+ts_RRC_ConnEst( tst_CellB, est_Reg, registration)		WAIINAS4370
57	Dc ? RRC_Dataind (tov_Start := RRC_Dataind.start)	car_PS_InitDirectTransfer(1sc _CellDedicated, 1sc_RB3, cr_AttachReq ( c_GMM_AttachTypePS_Onty, c_MobileIdIMSI_M, ?, trv_PS_KeySeq) )	Step 20. ATTACH REQUEST - Attach type is 'PS attach' - Mobile Id = IMSI
58	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)		

#### 4.3.10 WA#NAS4310

Test step name tc\_12\_6\_1\_2 : lt\_TestBody

**Reason for change** In step 19 the UE would Register on the CS domain due to the presence of a different PLMN ID, but the RRC connection has to be released & the Attach has to be triggered before beginning the subsequent PS registration.

Summary of change Added test steps "ts\_RRC\_ConnRel" & "ts\_AT\_TriggerGMM\_Attach"

Source of change New change

Label	WA#NAS4310	
41	+ts_RegistrationOnCS2_I/OpModeA (tsc_CellB )	Step 19
42	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)	WA#NAS4310
43	(trv_CellinfoB.attFlag = tsc_AttOt)	ViA#NAS4367
44	<pre>*ts_SysInfoModifyMM( tsc_CellB, tcv_CellInfoB.mcc, tcv_CellInfoB.mcc, tcv_CellInfoB.lac, tcv_CellInfoB.lac, tcv_CellInfoB.tdFlag, tcv_CellInfoB.t3212, tcv_CellInfoB.rac, tcv_CellInfoB.rac, tcv_CellInfoB.nmo)</pre>	WA#NAS4367
45	+ts_AT_TriggerGMM_Attach	VKA#NAS4310
46	+it_Attach_Steps_20To22	On cell B
47	+ts_GMM_DetachOnBwitchOff (tsc_CellB )	Steps 23 to 24

### 5 Branches executed in test case 12.6.1.2

The test case implementation executed the PS branch for NMO\_II, UE\_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

# 6 Execution Log Files

#### 6.1 Nokia 3G UE 7600

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

- Execution log files 12\_6\_1\_2\_Logs\Index.html This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.
- **PICS/PIXIT file 12\_6\_1\_2-pics-pixit.txt** Text file containing all PICS/PIXIT parameters used for testing.

### 7 References

[1] T1S040017

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

CHANGE REQUEST				
<sup>#</sup> TS 34.123-3 CR 258 # rev <sup>-</sup>	# Current version: <b>3.5.1</b> #			
For <b><u>HELP</u></b> on using this form, see bottom of this page or look a	t the pop-up text over the $#$ symbols.			
Proposed change affects: UICC apps# ME Radi	o Access Network Core Network			
Title: # Revised CR for P3 NAS test case 13.2.2.1 to N	IAS ATS V3.5.1 (revision of T1-040239)			
Source: # Anritsu Limited				
Work item code: # N/A	<b>Date:</b>			
Category:       #       B         Use one of the following categories:       F (correction)         A (corresponds to a correction in an earlier rele         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: #R99Use one 2of the following releases: 22(GSM Phase 2)ease)R96R97(Release 1996)R97(Release 1997)R98(Release 1998)R99(Release 1999)Rel-4(Release 4)Rel-5(Release 5)Rel-6(Release 6)			
Reason for change: # To formally state the the outstandijg issues have been resolved				
Summary of change: # No change required in iWD-TVB2003-03_D04wk17.				
Consequences if <b>#</b> Test case will not be introduced. not approved:				
Clauses affected: % N/A				
Other specs affected:YNXOther core specifications#XTest specificationsXO&M Specifications				
Other comments: #				

#### How to create CRs using this form:

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

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

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

Title:	Changes to test case 13.2.2.1 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 13.2.2.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

# 2 Table of Contents

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# **3** Verification Test Summary

Test Case:	tc_13_2_2_1
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 13.2.2.1

#### 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 T1s040239 (the original CR to introduce this test case) have been implemented by MCC160 in iWD-TVB2003-03\_D04wk17. No further changes were made to iWD-TVB2003-03\_D04wk17.

CHANGE REQUEST				
<sup>#</sup> TS 34.123-3 CR 259 # rev <sup>-</sup> <sup>#</sup>	Current version: <b>3.5.1</b> <sup>#</sup>			
For <u><b>HELP</b></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 Ac	cess Network Core Network			
Title: Revised CR for P3 NAS test case 13.2.2.2 to NAS	ATS V3.5.1 (revision of T1-040241)			
Source: # Anritsu Limited				
Work item code: # N/A	Date: ೫ 25/05/2004			
Category:       #       B         Use one of the following categories:       F (correction)         A (corresponds to a correction in an earlier release)       B (addition of feature),         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: %R99Use one of the following releases: 2(GSM Phase 2))R96(Release 1996)R97(Release 1997)R98(Release 1998)R99(Release 1999)Rel-4(Release 4)Rel-5(Release 5)Rel-6(Release 6)			
Reason for change: # To formally state the the outstandijg issues have been resolved				
Summary of change: % No change required in iWD-TVB2003-03_D04wk17.				
Consequences if not approved:       #       Test case will not be introduced.				
Clauses affected: % N/A				
Other specs affected:YNXOther core specifications%XTest specificationsXO&M Specifications				
Other comments: #				

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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 13.2.2.2 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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# **3** Verification Test Summary

Test Case:	tc_13_2_2_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 13.2.2.2

#### 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 T1s040241 (the original CR to introduce this test case) have been implemented by MCC160 in iWD-TVB2003-03\_D04wk17. No further changes were made to iWD-TVB2003-03\_D04wk17.