

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	B	3.5.1	3.6.0	255
T1s040254	Addition of RAB test case 14.2.49.1 to RAB ATS V3.5.1	B	3.5.1	3.6.0	256
T1s040252	Addition of GCF P1 test case 8.4.1.2 to RRC ATS V3.5.1	B	3.5.1	3.6.0	257
T1s040285	Addition of GCF P3 test case 8.4.1.31 to RRC ATS v3.5.1	B	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	B	3.5.1	3.6.0	261
T1s040262	Addition of RRC test case 8.3.2.11 to RRC ATS V3.5.1	B	3.5.1	3.6.0	262
T1s040260	Addition of RRC test case 8.4.1.30 to RRC ATS V3.5.1	B	3.5.1	3.6.0	263
T1s040258	Addition of RRC test case 8.4.1.29 to RRC ATS V3.5.1	B	3.5.1	3.6.0	264
T1s040249	Addition of RAB test case 14.2.7a to RAB ATS V3.5.1	B	3.5.1	3.6.0	265
T1s040247	Addition of RAB test case 14.2.5a to RAB ATS V3.5.1	B	3.5.1	3.6.0	266
T1s040245	Addition of RAB test case 14.2.4a to RAB ATS V3.5.1	B	3.5.1	3.6.0	267
T1s040266	Addition of GCF P1 test case 12.4.1.1a to NAS ATS V3.5.1	B	3.5.1	3.6.0	268
T1s040237	Test Case 13.2.1.1	B	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	B	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	B	3.4.0	3.6.0	271
T1s040231	Addition of GCF P3 test case 10.1.2.5.5 to NAS ATS	B	3.4.0	3.6.0	272

V3.4.0

T1s040232	Addition of GCF P3 test case 10.1.2.6.2 to NAS ATS V3.4.0	B	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	B	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	B	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)	B	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)	B	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)	B	3.4.0	3.6.0	278
T1s040225	Addition of GCF P3 test case 14.2.12 to RAB ATS V3.4.0	B	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)	B	3.4.0	3.6.0	280
T1s040223	Addition of RRC test case 8.1.10.1 to RRC ATS V3.4.0	B	3.4.0	3.6.0	281
T1s040215	Addition of GCF P2 test case 8.4.1.18 to RRC ATS V3.4.0	B	3.4.0	3.6.0	282
T1s040216	Addition of GCF P2 test case 8.4.1.19 to RRC ATS V3.4.0	B	3.4.0	3.6.0	283
T1s040213	Addition of NAS test case 10.1.3.5.6 to NAS ATS V3.4.0	B	3.4.0	3.6.0	284
T1s040209	Addition of NAS test case 10.1.2.2.2 to NAS ATS V3.4.0	B	3.4.0	3.6.0	285
T1s040207	Addition of RRC test case 8.4.1.26 to RRC ATS V3.4.0	B	3.4.0	3.6.0	286
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T1s040204	Introducing package 2 test case 8.3.1.10 to RRCv340 (revision of T1-031739)	B	3.4.0	3.6.0	289
T1s040203	Introducing package 2 test case 8.3.1.9 to RRCv340 (revision of T1-031737)	B	3.4.0	3.6.0	290
T1s040178	Addition of NAS test case 10.1.2.1.1 to NAS ATS V3.4.0	B	3.4.0	3.6.0	291
T1s040172	Addition of NAS test case 10.1.3.3.2 to NAS ATS V3.4.0	B	3.4.0	3.6.0	292
T1s040174	Addition of NAS test case 10.1.3.3.4 to NAS ATS V3.4.0	B	3.4.0	3.6.0	293
T1s040161	Addition of NAS test case 10.1.2.7.3 to NAS ATS V3.4.0	B	3.4.0	3.6.0	294
T1s040149	Addition of NAS test case 10.1.2.5.2 to NAS ATS V3.4.0	B	3.4.0	3.6.0	295
T1s040065	Addition of RAB test case 14.2.23a.1 to RAB ATS V3.4.0	B	3.4.0	3.6.0	296
T1s040067	Addition of RAB test case 14.2.23b to RAB ATS V3.4.0	B	3.4.0	3.6.0	297
T1s040069	Addition of RAB test case 14.2.23c to RAB ATS V3.4.0	B	3.4.0	3.6.0	298
T1s040055	Addition of RAB test case 14.2.14.1 to RAB ATS V3.4.0	B	3.4.0	3.6.0	299
T1s040057	Addition of RAB test case 14.2.14.2 to RAB ATS V3.4.0	B	3.4.0	3.6.0	300

T1s040059	Addition of RAB test case 14.2.15 to RAB ATS V3.4.0	B	3.4.0	3.6.0	301
T1s040061	Addition of RAB test case 14.2.16 to RAB ATS V3.4.0	B	3.4.0	3.6.0	302
T1s040063	Addition of RAB test case 14.2.17 to RAB ATS V3.4.0	B	3.4.0	3.6.0	303
T1s040053	Addition of RAB test case 14.2.13.2 to RAB ATS V3.4.0	B	3.4.0	3.6.0	304
T1s040129	Addition of NAS test case 10.1.2.4.9 to NAS ATS V3.4.0	B	3.4.0	3.6.0	305
T1s040121	Addition of NAS test case 10.1.2.4.4 to NAS ATS V3.4.0	B	3.4.0	3.6.0	306
T1s040123	Addition of NAS test case 10.1.2.4.6 to NAS ATS V3.4.0	B	3.4.0	3.6.0	307
T1s040139	Addition of NAS test case 10.1.2.6.3 to NAS ATS V3.4.0	B	3.4.0	3.6.0	308
T1s040099	Addition of NAS test case 10.1.2.4.7 to NAS ATS V3.4.0	B	3.4.0	3.6.0	309
T1s040101	Addition of NAS test case 10.1.2.4.8 to NAS ATS V3.4.0	B	3.4.0	3.6.0	310
T1s040107	Addition of NAS test case 10.1.2.9.1 to NAS ATS V3.4.0	B	3.4.0	3.6.0	311
T1s040091	Addition of NAS test case 10.1.2.3.1 to NAS ATS V3.4.0	B	3.4.0	3.6.0	312
T1s040093	Addition of NAS test case 10.1.2.4.3 to NAS ATS V3.4.0	B	3.4.0	3.6.0	313
T1s040080	Addition of NAS test case 9.4.2.3 to NAS ATS V3.4.0	B	3.4.0	3.6.0	314
T1s040023	Addition of NAS test case 9.4.8 to NAS ATS V3.4.0	B	3.4.0	3.6.0	315
T1s040016	Addition of NAS test case 12.6.1.2 to NAS ATS V3.4.0	B	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)	B	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)	B	3.5.1	3.6.0	259

CR-Form-v7
CHANGE REQUEST
TS 34.123-3 CR 255 # rev - # Current version: 3.5.1

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

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

Title:	# Addition of MAC test case 7.1.3.1 to MAC ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 17/05/2004
Category:	# B	Release:	# R99
	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 TR 21.900 .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	

Reason for change:	# To add verified GCF package 2 MAC test case 7.1.3.1 to the approved MAC ATS V3.5.1
Summary of change:	#
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	# N/A								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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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 <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

Title: 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, Cipherring 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

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 256 # rev - # Current version: **3.5.1**

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.49.1 to RAB ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 12/05/2004
Category:	# B	Release:	# R99
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.49.1 to the approved RAB ATS V3.5.1
Summary of change:	# This document lists all changes applied to test case 14.2.49.1 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	# N/A								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications # <input type="checkbox"/> Test specifications # <input type="checkbox"/> O&M Specifications # <input type="checkbox"/>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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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.
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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Title: Changes to test case 14.2.49.1 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 14.2.49.1 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

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_RAB_InfoListTM4 (p_ReEstTimer, Re_EstablishmentTimer, p_RAB_Id, p_RAB_Id2: BITSTRING)
Origin:	
Type Name:	RAB_InformationSetupList
Derivation Path:	
Encoding Variants:	
Comments:	WA#RAB4118
Constraint Value	
<pre> rab_Identity psm_MAP_RAB_Identity; p_RAB_Id2, cn_DomainIdentity ca_domain, re_EstablishmentTimer p_ReEstTimer); rb_InformationSetupList ::= RB_InformationSetupList rb_Identity tsc_RB13, pdca_Info OMT, rlc_InfoChoice rlc_Info : c_RLC_InfoTM_Def_Seg_False rb_MappingInfo ::= RB_MappingOption ul_LogicalChannelMappings andLogicalChannel ul_TransportChannelType dch: tsc_UL_DCH4, logicalChannelIdentity OMT, rlc_SizeList configured NULL, mac_LogicalChannelPriority 7); dl_LogicalChannelMappingList ::= dl_TransportChannelType dch: tsc_DL_DCH4, logicalChannelIdentity OMT););); </pre>	
Detailed Comment:	

4.3 c_DCH_148_TFS_DL_rm192 (WA#RAB4293)

Test step name	c_DCH_148_TFS_DL_rm192
Reason for change	<p>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.</p> <p>In the original “c_DCH_148_TFS_DL” the RM attribute used is 170 which is wrong.</p>
Summary of change	Created new constraint “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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_148_TFS_DL_rm192
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variants:	
Comments:	transport format set for signaling bearer on dedicated channel
	WA#RAB4298
Constraint Value	
<pre> 1 # 148 # 148 Size 148 numberOfTfsSizeList (zero : NULL, one : NULL), logicalChannelList allSizes : NULL } } semiSibCF_Information { channelCodingType (convolutional third, rateMatchingAttribute 192, etc_Size cr16 } } </pre>	

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

Test Step			
Test Step Id:	ts_5DCH_ModifySpeech_12_2k_ConvUnknown_64k_20 (p_CellId: INTEGER, p_ActTime: ActivationTime, p_DL_CommonInformation: DL_CommonInforma- tion, p_UL_DPCH_Info: UL_DPCH_Info)		
Test Step Group Ref:	RB_Steps/RB_Configuration		
Objective:	to configure physical channel DPCH1 and connect DCH1,DCH2,DCH3,DCH4 and DCH5 to the physical channel, then map DCH1-4 on to the DCH5 transport channel and map DTCH(subflow#1),DTCH(subflow#2),DTCH(subflow#3), DTCH4 to the DCH1,DCH2,DCH3 and DCH4 transport channel respectively. Use for Conversational / speech / UL 12.2 DL 12.2 kbps / CS RAB + Conversational / unknown / UL 64 DL 64 kbps / CS RAB / 20 ms TT)		
Defaults:	InfoItemset#44		
Comments:	@SIC_NAPP		
nr	Behaviour Description	Constraint Ref	Comments
1	[ix_RAT = f3d]		
2	CPHY?CPHY_RL_Modify_REQ	ea_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH1, c_DL_DPCH_Info (tsc_Src32, p_DL_CommonInforma- tion, tsc_TmpCellInfo, dl_DPCH_2ndSrcCode), p_ActTime)	1.
3	CPHY?CPHY_RL_Modify_CNF	ea_RL_ModifyCntrlp_CellId, tsc_DL_DPCH1)	
4	CPHY?CPHY_TrCH_Config_REQ	ea_5_DCH_5_To47_DL_Info (p_CellId, tsc_DL_DPCH1, c_TrchConfigTypeDCH_NoSH0, c_DCH_148_TFS_DL_rm192, c_DCH_81_TFS_DL, c_DCH_103_TFS, c_DCH_80_TFS, c_DCH_840_TFS_20_2, c_PowerOffsetInfoBelow64k, p_ActTime)	3. WA#RAB4298
5	CPHY?CPHY_TrCH_Config_CNF	ea_TrchCfgCntrlp_CellId, tsc_DL_DPCH1)	
6	CMAC ? CMAC_Config_REQ	ea_CMAC_ReconfigInfo (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrchInfoDL_5_0 To47 (c_DCH_148_TFS_DL_rm192, c_DCH_81_TFS_DL, c_DCH_103_TFS, c_DCH_80_TFS, c_DCH_840_TFS_20_2, c_PowerOffsetInfoBelow64k), c_TrLogMappingDL_TML, p_ActTime)	3. WA#RAB4298
7	CMAC ? CMAC_Config_CNF	ea_CMAC_CfgCntrlp_CellDedicated, tsc_DL_DPCH1)	
8	CPHY?CPHY_RL_Modify_REQ	ea_UL_DPCH_ModifyInfo (p_CellId, tsc_UL_DPCH1, p_UL_DPCH_Info, p_ActTime)	1.
9	CPHY?CPHY_RL_Modify_CNF	ea_RL_ModifyCntrlp_CellId, tsc_UL_DPCH1)	
10	CPHY?CPHY_TrCH_Config_REQ	ea_5_DCH_5_To47_UL_Info (p_CellId, tsc_UL_DPCH1, c_TrchConfigTypeDCH_NoSH0, c_DCH_148_TFS_UL, c_DCH_81_TFS, c_DCH_103_TFS, c_DCH_80_TFS, c_DCH_840_TFS_20_2, p_ActTime)	3.
11	CPHY?CPHY_TrCH_Config_CNF	ea_TrchCfgCntrlp_CellId, tsc_UL_DPCH1)	
12	CMAC ? CMAC_Config_REQ	ea_CMAC_ReconfigInfo (tsc_CellDedicated, tsc_UL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrchInfoUL_5_0 To47 (c_DCH_148_TFS_UL, c_DCH_81_TFS, c_DCH_103_TFS, c_DCH_80_TFS, c_DCH_840_TFS_20_2, c_TrLogMappingUL_TML, p_ActTime)	3.
13	CMAC ? CMAC_Config_CNF	ea_CMAC_CfgCntrlp_CellDedicated, tsc_UL_DPCH1)	
14	[ix_RAT = f3d]		
15	[TRUE]		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 execution should be continued with the next following one. However with the current 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 Id:	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB13 (p_TFC_UL, p_TFC_DL, TFC_Subset, p_TestLoopModeSetup, UE_TestLoopModeFLB_Setup, p_RAB_Tx_Info, RabTxFreq_max_Blp_ReceiveFactor :INTEGER)				
Test Step Group Ref:	RB_SuperRB_Subtests/				
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmits on RB10, RB11, RB12 and RB13 an RLC SDU. UE shall send back the same RLC SDU on the same 4 RBs. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1				
Defaults:	RRC_Def1				
Comments:	@GIC_NAPP WA#RAB4371				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
10		[rcv_result=FALSE]		0	
11		+ ts_TC_OpenUE_TestLoop (ts_CatDedicated)		0	
6		[rcv_result=FALSE]		0	
7		+ ts_TC_OpenUE_TestLoop (ts_CatDedicated)		0	
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 continuous data transmission: the SS have to check the returned data during this time.

With the current code PDUs from the UE are received but these are caught wrongly by the "otherwise" mechanism as they are not expected.

Summary of change 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

Test Step			
Test Step ID:	ts_RB_SubTest_RAB_SRB_RB10 (p_TFC_UL, p_TFC_DL, TFC_Subset, p_TestLoopModeSetup, UE_TestLoopMode1 LB_Setup, p_RAB_Tx_Info: RabTxInf, o_p_max_B: INTEGER)		
Test Step Group Ref:	RB_StopsRB_Subtests!		
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB10 an RLC SDU. UE shall send back the same RLC SDU. Refer to step 11 to 17 of TS 34.123-1 clause 14.1.1		
Default:	RRC_DeI		
Comments:	@@GIC_NAPP WA#RAB4271		
L	Behaviour Description	Constraint Ref	Comments
4	Data_p_RAB_Tx_Info.rTxInfoList[0].sduSize) +ts_SS_TFC_Restriction (ssc_CellDedicated, s_TFC_UL, p_TFC_DL)		CMAC Restriction
5	+ts_SendDataInContinuousTTI(p_RAB_Tx_Info)		Step 14a
6	{cv_result=TRUE}		
7	{cv_max_Timer=(p_max_B * 12) + (p_max_B/10)}		Timer Value ----- 12 times max B among the RABs + 10% of max B
8	+ts_ReceiveData_RB10 (cv_RB_Data1, p_RAB_Tx_Info.rTxInfoList[0].nomoSdu)		Step 14b
9	+ts_SendDataInContinuousTTI(p_RAB_Tx_Info)		
10	{cv_result=TRUE}		
11	+ts_ReceiveFirstSDUs_RB10(cv_RB_Data1)		for TICH Delay Step 15a.1 WA#RAB4224
12	+ts_Simultaneous_Data_SRB_RB10(cv_RB_Data1, p_RAB_Tx_Info.rTxInfoList[0].nomoSdu)		
13	+ts_TC_OpenUE_TestLoop (ts_CellDedicated)		Step 16-17
14	{cv_result=FALSE}		
15	{cv_result=FALSE}		
Detailed Comment:			

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 Processing 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.

Source of change New Change

Label WA#RAB4323

Test Step			
Test Step Id:	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB13 (p_data1,p_data2,p_data3,p_data4: BITSTRING; p_RAB_Tx_Info: RabTxInfo; p_ReceiveFactor: NTE_OER)		
Test Step Group Ref:	RB_Steps/RB_Substeps/		
Objective:			
Defaults:	RRC_Def1		
Comments:	@GIC_NAPP WA#RAB4323		
	Behaviour Description	Constraint Ref	Comments
1	AM ? RLC_AM_DATA_REQ	cat_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlDePeriodic (tsv_CellInfo di, IntegrityCheckInfo , tsv_RRC_T1 , tsv_TmpCellInfo pi(SismCose))	15a.2
2	(tsv_Res = FALSE)		WA#RAB4320
3	START_L_Dly(1000)		WA#RAB4323
4	Get L1 report AM ? RLC_AM_DATA_IND	cat_MeasurementReport(tsc_CellDedicated, tsc_RB2, tr_MeasurementReportAny)	(F) 15b
5	CANCEL_L_Dly		
6	REPEAT Until Received UNTIL [tsv_Res = TRUE]		
7	TM ? RLC_TR_TestDataInd	cat_RLC_DataInd (tsc_CellDedicated, tsc_RB10, c_TTD_Data (p_data	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

Test Step			
Test Step ID:	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB13 (p_data1,p_data2,p_data3,p_data4: BITSTRIN0; p_RAB_Tx_Info: RasTxInfo; p_ReceiveFactor: INTE GER)		
Test Step Group Ref:	RB_StepsRB_Subtest		
Objective:			
Defaults:	RRC_Def		
Comments:	@SIC_NAPP		
L	Behaviour Description	Constraint Ref	Comments
1	AM1RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cr_MeasurementControlDefPeriodic (tcv_CellIndInfo.d_IntegrityCheckInfo, tcv_RRC_Ti, tcv_TmpCellInfo.priScrnCode))	15a.2
2	(tcv_Res = FALSE)		WA#RAB4240
3	START_Dly(1000)		WA#RAB4323
4	Get_Report AM ? RLC_AM_DATA_IND	cas_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasurementReportAny)	(F) 15b
5	CANCEL_Dly		
6	REPEAT #_Receives4 UNTIL (tcv_Res = TRUE)		
7	TN ? RLC_TR_TestDataInd	cas_RLC_DataInd (tsc_CellDedicated, tsc_RB10, c_Tx_D_#a (p_data1))	Step 15b
8	(tcv_count_RB10 = tcv_count_RB10 + 1)		
9	->Get_Report		
10	TN ? RLC_TR_TestDataInd	cas_RLC_DataInd (tsc_CellDedicated, tsc_RB11, c_Tx_D_#a (p_data1))	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 variables 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:	ts_Simultaneous_Data_SRB_RB10_RB11_RB12 (p_data1,p_data2,p_data3: BITSTRING; p_RAB_Tx_Info: RABTxInfo)		
Test Step Group Ref:	RB_Steps/RB_Subtest1		
Objective:			
Defaults:	RRC_Deft		
Comments:	WA#RAB4241		
L	Behaviour Description	Constraint Ref	Comments
0	AM ? RLC_AM_DATA_REQ	cs_MeasurementControl (tsc_CelDedicated, tsc_RB2, cs_MeasurementControlDefPeriodic (tcv_CellIndInfo.d_IntegrityCheckInfo, tcv_RRC_Tt, tcv_TmpCellInfo.priScrnCode))	15a.2
1	(tcv_Res = FALSE)		WA#RAB4240
2	START t_Dly(1000)		WA#RAB4234
3	Get_Report AM ? RLC_AM_DATA_IND CANCEL t_Dly	cs_MeasurementReport(tsc_CelDedicated, tsc_RB2, cr_MeasurementReportAny)	(F) 15b
4	REPEAT t_Receive3 UNTIL tcv_Res = TRUE		
3	TM ? RLC_TR_TestDataInd	cs_RLC_DataInd (tsc_CelDedicated, tsc_RB10, e_TtO_Data (p_data1))	Step 15b
4	(tcv_count_RB10 = tcv_count_RB10 + 1)		
6	->Get_Report		
3	TM ? RLC_TR_TestDataInd	cs_RLC_DataInd (tsc_CelDedicated, tsc_RB11, e_TtO_Data (p_data1))	Step 15b

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

Test Step			
Test Step Id:	ts_ReceiveFirstSDUs_RB10 (p_data: BITSTRING)		
Test Step Group Ref:	RB_Steps/RB_Subtest/		
Objective:			
Defaults:	RRC_Def1		
Comments:	WA#RAB4215		
L	Behaviour Description	Constant Ref	Comments
0	START_L_Dly (rcv_max_Timer)		for TTCN Delay Step 15a.1
1	(rcv_Receive_RB10 = 0)		
2	Get_Data TM ? RLC_TR_TestDataInd	car_RLC_DataInd (tsc_CellDedicated, tsc_RB10, c_TID_Data (p_data))	15b.1
3	(rcv_Receive_RB10=rcv_Receive_RB10+1)		
4	-> Get_Data		
5	?TIMEOUT_L_Dly		

4.11 ts_ReceiveFirstSDUs_RB13 (WA#RAB4216)

Test step name ts_ReceiveFirstSDUs_RB13

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_RB13".

Summary of change Included a new test step "ts_ReceiveFirstSDUs_RB13" which catches the PDUs send on RB13 by the UE during the delay of prose step 15a.1

Source of change New Change

Label WA#RAB4216

Test Step			
Test Step Id:	ts_ReceiveFirstSDUs_RB13 (p_data: BITSTRING)		
Test Step Group Ref:	RB_Steps/RB_Subtest/		
Objective:			
Defaults:	RRC_Def1		
Comments:	WA#RAB4216		
L	Behaviour Description	Constant Ref	Comments
1	START_L_Dly (rcv_max_Timer)		for TTCN Delay Step 15a.1
2	(rcv_Receive_RB13 = 0)		
3	Get_Data TM ? RLC_TR_TestDataInd	car_RLC_DataInd (tsc_CellDedicated, tsc_RB13, c_TID_Data (p_data))	15b.1
4	(rcv_Receive_RB13=rcv_Receive_RB13+1)		
5	-> Get_Data		
6	?TIMEOUT_L_Dly		

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

Test Step			
Test Step ID:	ts_ReceiveFirstSDU_RB10_RB11_RB12 (p_data1 p_data2 p_data3 : BITSTR#0)		
Test Step Group Ref:	RB_StepsRB_Substeps1		
Objective:			
Defaults:			
Comments:	@SIC_NAPP		
L	Behaviour Description	ConstraintRef	Comments
0	{(bv_ReceiveRB10 = FALSE, bv_ReceiveRB11 = FALSE, bv_ReceiveRB12 = FALSE, bv_Res = FALSE, bv_count_RB10 = 0, bv_count_RB11 = 0, bv_count_RB12 = 0)}		
1	START 1_Dly(bv_max_Timer)		
2	Get_TM ? RLC_TR_TestData1	cat_RLC_Dedicated (tsc_CellDedicated, tsc_RB10, c_TrD_D (P) ala (p_data1))	Step 15 WA#RAB4229
3	{bv_count_RB10 := bv_count_RB10 + 1, bv_ReceiveRB10 = TRUE}		
4	!b_CheckStatus		
5	{bv_Res = FALSE}		
6	-> Get_Data		
5	{bv_Res = TRUE}		
6	CANCEL 1_Dly		
2	TM ? RLC_TR_TestData1	cat_RLC_Dedicated (tsc_CellDedicated, tsc_RB11, c_TrD_D (P) ala (p_data2))	Step 15
3	{bv_count_RB11 := bv_count_RB11 + 1, bv_ReceiveRB11 = TRUE}		

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

Test Step			
Test Step ID:	ts_ReceiveFirstSDU_RB10_RB11_RB12 (p_data1 p_data2 p_data3 : BITSTR#0)		
Test Step Group Ref:	RB_StepsRB_Substeps1		
Objective:			
Defaults:			
Comments:	@SIC_NAPP		
L	Behaviour Description	ConstraintRef	Comments
3	!b_Exit_Testcase		
It_CheckStatus			
0	{(bv_ReceiveRB10 = TRUE) AND (bv_ReceiveRB11 = TRUE) AND (bv_ReceiveRB12 = TRUE)}		
1	{bv_Res = TRUE}		
0	{TRUE}		WA#RAB4230
Detailed Comment:			

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 initialisation line.

Source of change New Change

Label WA#RAB4232

Test Step			
Test Step Id:	ts_ReceiveFirstSDU_RB10_RB13 (p_data1,p_data2 : BITSTRING)		
Test Step Group Ref:	RB_Steps/RB_Subtests/		
Objective:			
Defaults:	RRC_Def1		
Comments:	@@SIC_NAPP		
Line	Behaviour Description	Constraint Ref	Comments
1	{tcv_ReceiveRB10 = FALSE, tcv_ReceiveRB13 = FALSE, tcv_Res = FALSE, tcv_count_RB10 = 0, tcv_count_RB13 = 0}		WA#RAB4232
2	START t_Div(tcv_max_Timer)		
3	On t_Data TM ? RLC_TR_TestDataIn	rar_RLC_DataIn (tcv_CellDedicated, tcv_RB10, t_TID_Data (p_data2 (P) #1))	Step 15a
4	{tcv_count_RB10 = tcv_count_RB10 + 1, tcv_ReceiveRB10 = TRUE}		

4.15 ts_ReceiveFirstSDU_RB10_RB13 (WA#RAB4233)

Test step name ts_ReceiveFirstSDU_RB10_RB13

Reason for change The local test step "lt_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

Test Step			
Test Step Id:	ts_ReceiveFirstSDU_RB10_RB13 (p_data1,p_data2 : BITSTRING)		
Test Step Group Ref:	RB_Steps/RB_Subtests/		
Objective:			
Defaults:	RRC_Def1		
Comments:	@@SIC_NAPP		
Line	Behaviour Description	Constraint Ref	Comments
lt_CheckStatus			
19	{ tcv_ReceiveRB10 = TRUE } AND { tcv_ReceiveRB13 = TRUE }		
20	{ tcv_Res = TRUE }		
21	[TRUE]		WA#RAB4233
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 name ts_RB_SubTest_RAB_SRB_RB13, ts_RB_SubTest_RAB_SRB_RB10_RB13 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

Test Step			
Test Step Id:	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB13 (p_TFC_UL, p_TFC_DL, TFC_Subset, p_TestLoopModeSetup UE_TestLoopModeLB_Setup, p_RAB_Tx_Info, RbTxInfo, p_max_B, p_ReceiveFactor : INTEGER)		
Test Step Group Ref:	RB_StepsRB_Subtests		
Objective:	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 shall send back the same RLC SDU on the same 4 RBs. Refer to steps 11 to 17 of TS 36.133-1 clause 14.1.1		
Default:	RRC_Def1		
Comments:	@SIC_NAPP		
	WA#RAB4371		
No.	Behaviour Description	Constraint Ref	Comments
1	AM1RLC_AM_DATA_RECV	cas_TransportFormatCombCchWM (tcv_CellDedicated, tcv_RB3, cas_TransportFormatCombCch (tcv_CellDedicated, info.dl_integrityCheckInfo, tcv_RRC_Tx, p_TFC_UL))	Step 11
2	+ts_TC_CloseUE_TestLoop (tcv_CellDedicated, tcv_UE_TestLoopModel, p_TestLoopModeSetup)		Steps 12-13
3	(tcv_RB_Data1 := o_GetMostSignificantBits (p_RAB_Tx_Info.testData , p_RAB_Tx_Info.rbTxInfoList [0].sduSize) , tcv_RB_Data2 := o_GetMostSignificantBits (p_RAB_Tx_Info.testData , p_RAB_Tx_Info.rbTxInfoList [1].sduSize) , tcv_RB_Data3 := o_GetMostSignificantBits (p_RAB_Tx_Info.testData , p_RAB_Tx_Info.rbTxInfoList [2].sduSize))		
4	(tcv_RB_Data4 := o_GetMostSignificantBits (p_RAB_Tx_Info.testData , p_RAB_Tx_Info.rbTxInfoList [3].sduSize))		WA#RAB4369
5	+ts_BS_TFC_Restriction (tcv_CellDedicated, p_TFC_UL, p_TFC_DL)		
6	+ts_SendDataInContinuousTTI (p_RAB_Tx_Info)		Step 14a
7	(tcv_result = TRUE)		
8	(tcv_max_Timer := p_max_B * 12) * (p_max_B / 100)		Timer Value 12 times maxB among the RBs + 10% of maxB
9	+ts_ReceiveData_RB10_RB11_RB12_RB13 (tcv_RB_Data1, tcv_RB_Data2, tcv_RB_Data3, tcv_RB_Data4, p_RAB_Tx_Info, p_ReceiveFactor)		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 Id:	ts_Simultaneous_Data_SRB_RB13 (p_data: BITSTRING; p_no_of_sdu: p_ReceiveFactor: INTEGER)				
Test Step Group Ref:	RB_Steps/RB_Subtests				
Objective:					
Defaults:	RRC_Deft				
Comments:	WA#RAB4241				
Id	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM ? RLC_AM_DATA_REQ	car_MeasurementControl (tsr_CellDedicated, tsr_RB2, cs_MeasurementControlDiffPeriodic (tsr_CellInfo.dl_IntegrityCheckInfo, tsr_RRC_TI, tsr_TempCellInfo.pCellCode))		15a.3
2		START t_Dly(1000)			WA#RAB4323
3	Get_Report	AM ? RLC_AM_DATA_IND CANCEL_Dly	car_MeasurementReport (tsr_CellDedicated, tsr_RB2, cr_MeasurementReportReq)	(P)	15b WA#RAB4246
4		REPEAT t_Receive UNTIL (tsr_Receive_RB13 = p_no_of_sdu * p_ReceiveFactor)			
5		TM ? RLC_TR_TestDataInd	car_RLC_DataInd (tsr_CellDedicated, tsr_RB13, c_TRD_Data(p_data))		15b.1
6		(tsr_Receive_RB13 = tsr_Receive_RB13 + 1)			
7		-> Get_Report			
8		CANCEL t_Dly			

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 "lt_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 Step Id:	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB13 (p_data1,p_data2,p_data3,p_data4 : BITSTRIN0)		
Test Step Group Ref:	RB_StepsRB_Subtester		
Objective:			
Defaults:	RRC_Def1		
Comments:	@SIC_HAPP		
Line	Behaviour Description	Constant Ref	Comments
1	(tcv_ReceiveRB10 = FALSE, tcv_ReceiveRB11 = FALSE, tcv_ReceiveRB12 = FALSE, tcv_ReceiveRB13 = FALSE, tcv_Res = FALSE, tcv_resnt RB10 = 0		
31	? TIMEOUT_t_Div		(0)
32	+ts_End_Testcase		
lt_CheckStatus			
33	(tcv_ReceiveRB10 = TRUE) AND (tcv_ReceiveRB11 = TRUE) AND (tcv_ReceiveRB12 = TRUE) AND (tcv_ReceiveRB13 = TRUE)		
34	(tcv_Res = TRUE)		
35	[TRUE]		WA#RAB4231
Detailed 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_Length <= 0 should not trigger a Fail verdict.

Summary of change Removed Fail verdict when tcv_Length <= 0.

Source of change New Change

Label WA#RAB4222

Test Step		
Test Step ID:	Ts_RB_Prepare_DataToBeReceived (p_Data : BITSTRIN0; p_ULSDULenIn; p_DLTBSLength : INTEOER)	
Test Step Group Ref:	RB_StepsRB_Substata	
Objective:	UE shall send back the same RLC SDU	
Details:	RRC_Def1	
Comments:	@GIC_NAPP	
Line	Behaviour Description	Comments
1	{cv_Len=0;cv_testdata2_len=0}	
2	{cv_Len = p_ULSDULenIn - p_DLTBSLength}	
3	{cv_RB_testdata1 = o_GetMostSignificantBits (p_ Data; p_DLTBSLength)}	
4	{ cv_Len > 0 }	
5	REPEAT R_Add UNTIL { cv_Len == p_DLTBSLength }	
6	{ cv_RB_testdata2 = o_ExtractConcat { cv_RB_testdata1, cv_Len, cv_testdata2_len, cv_Len }	
7	{ cv_RB_testdata3 = o_ExtractConcat { cv_RB_testdata1, cv_RB_testdata2, p_DLTBSLength, cv_testdata2_len + cv_Len }	
8	{ TRUE }	(F)
9	{ cv_Len == 0 }	
10	{ cv_RB_testdata3 = o_GetMostSignificantBits (cv_RB_testdata1, p_ULSDULenIn) }	
11	{ TRUE }	WA#RAB4213
R_Add		
12	{ cv_Len > p_DLTBSLength }	

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

ASN.1 PDU Constraint Declaration	
Constraint Name	<pre> ct_MeasurementControlDePeriodic { p_IntegrityCheckInfo : IntegrityCheckInfo; p_RRC_Tx : RRC_TransactionIdentifier; p_primaryScramblingCode : PrimaryScramblingCode } </pre>
Group	
PDU Name:	DL_DCH_Message
Derivation Path	
Encoding Rule Name	
Encoding Variation	
Comments:	<pre> @SIC_NAPP Default MEASUREMENT CONTROL message (see 3GPP 24.122-1 Annex A) with Periodic </pre>
	WA#RAB4213

Constraint Value

```

    bc_DiversityIndicator FALSE
  }
}
}L
cellsForIntraFreqMeasList Omit
}
}
intraFreqMeasQuantity {
  filterCoefficient Omit, -- default value
  modeSpecificInfo fdd : {
    intraFreqMeasQuantity_FDD cpich_RSCP
  }
}
intraFreqReportingQuantity
}

```

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

CR-Form-v7
CHANGE REQUEST
TS 34.123-3 CR 257 # rev - # Current version: 3.5.1

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of GCF P1 test case 8.4.1.2 to RRC ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 19/04/2004
Category:	# B	Release:	# R99
	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 TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 1 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 not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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_ComprModelInfo (WA#RRC3177)

Constraint name cds_RRC_ConnSetupDCH_ComprModelInfo
Reason for change According to 34.123-1, chap 8.4.1.2.4 step 2, the standard RrcConnSetup should be used including 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 Constraint Declaration	
Constraint Name:	cds_RRC_ConnSetupDCH_ComprModelInfo { a_inUEId : InitialUE_Identity; a_RRC_Ti : RRC_TransactionIdentifier; a_PrimScrnCode : PrimaryScramblingCode; a_U_RNTI_New : U_RNTI; a_UL_ScramblingCode : UL_ScramblingCode }
Group:	
PDU Name:	DL_CCCH_Message
Derivation Path:	cds_103_RRC_ConnSetupDCH
Encoding Rule Name:	
Encoding Version:	
Comments:	@SIC_BAPP Transition to CELL_DCH state: Reference to TS34.103 Clause 9 (Contents of RRC CONNECTION SETUP message: UM transition to CELL_DCH) but no DPCCH compressed mode info is given. WA#RRC3177
Constraint Value	
REPLACE message.mcConnectionSetup_r3.mcConnectionSetup_r3.a_CommonInformation BY c_DL_CommonInformation_DCH_ToDCH (c_DL_DPCCH_InfoCommon (ac_DL_DPCCH_SPP_SRB_FALSE), tsc_Type() , OMT , 103_Measurement , 0 , OMT , OMT , ul_and_ul : (ul_rl_2/rl_rl_2))	
Detailed Comment:	

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 including the compressed mode info. The replaced configuration contain incorrect values for the InformationPerRL
Summary of change Replace constraint with new constraint cds_RRC_ConnSetupDCH_CmprModeInfo from WA#RRC3177, Add parameter for tcv_TmpCellInfo.uL_ScramblingCode
Source of change New change
Label WA#RRC3178

t_UE_CompressedModeRequired_Both			
30	UMRRC_UL_DATA_REQ	cas_RRC_ConnSetup(p_CellId, tsc_RBG, cds_RRC_ConnSetupDCH_CmprModeInfo(tcv_InitUE_Id, tcv_RRC_Ti, tcv_TmpCellInfo.pfSfmcCode, tcv_TmpCellInfo.uRNTI, tcv_TmpCellInfo.uL_ScramblingCode))	WA#RRC3178
31	CPHY CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_InfoActNow_REQ (tsc_CellA, tsc_DL_DPCH1, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH (c_DL_DPCH_InfoCommon (tsc_DL_DPCH1_SFP_SRB / FALSE), tsc_Tgpsi, OMIT, tdd_Measurement, 0, OMIT, OMIT, ul_and_of: (ul_of_2, of_of_2)), c_DL_DPCH_InfoPerRL (tsc_DL_DPCH1_2ndSfmc, tsc_DL_DPCH1_ChC_SRB)))	WA#RRC3179 WA#RRC3181
32	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF(tsc_CellA, tsc_DL_DPCH1)	
33	CPHY CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_InfoActNow_REQ (tsc_CellA, tsc_UL_DPCH1, c_DPCHInfo_UL (c_UL_DPCH1_3_6_StandAlone (tcv_TmpCellInfo.uL_ScramblingCode)))	WA#RRC3181
34	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
35	+ts_SetCellCfg (p_CellId, cell_DCH_StandAloneSRB)		

4.4 ts_ToStateMOCompressMode_CS_6_9_PS_6_10: line 31 (WA#RRC3179)

Test step name ts_ToStateMOCompressMode_CS_6_9_PS_6_10: line 31
Reason for change Local configuration is incorrect and inconsistent to the configuration send to the UE
Summary of change Change parameter from tsc_Sfmc256 to tsc_DL_DPCH1_ChC_SRB, change parameter for TGCFN to OMIT
Source of change New change
Label WA#RRC3179

t_UE_CompressedModeRequired_Both			
30	UMRRC_UL_DATA_REQ	cas_RRC_ConnSetup(p_CellId, tsc_RBG, cds_RRC_ConnSetupDCH_CmprModeInfo(tcv_InitUE_Id, tcv_RRC_Ti, tcv_TmpCellInfo.pfSfmcCode, tcv_TmpCellInfo.uRNTI, tcv_TmpCellInfo.uL_ScramblingCode))	WA#RRC3178
31	CPHY CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_InfoActNow_REQ (tsc_CellA, tsc_DL_DPCH1, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_CommonInformation_DCH_ToDCH (c_DL_DPCH_InfoCommon (tsc_DL_DPCH1_SFP_SRB / FALSE), tsc_Tgpsi, OMIT, tdd_Measurement, 0, OMIT, OMIT, ul_and_of: (ul_of_2, of_of_2)), c_DL_DPCH_InfoPerRL (tsc_DL_DPCH1_2ndSfmc, tsc_DL_DPCH1_ChC_SRB)))	WA#RRC3179 WA#RRC3181
32	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF(tsc_CellA, tsc_DL_DPCH1)	
33	CPHY CPHY_RL_Modify_REQ	ca_CompressedModeDPCH_InfoActNow_REQ (tsc_CellA, tsc_UL_DPCH1, c_DPCHInfo_UL (c_UL_DPCH1_3_6_StandAlone (tcv_TmpCellInfo.uL_ScramblingCode)))	WA#RRC3181
34	CPHY ? CPHY_RL_Modify_CNF	ca_CompressedModeInfoCNF (tsc_CellA, tsc_UL_DPCH1)	
35	+ts_SetCellCfg (p_CellId, cell_DCH_StandAloneSRB)		

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_InfoActNow_REQ (p_CellId: INTEGER, p_PhyChId: INTEGER, p_dPCHInfo: DPOHInfo)
Group:	
ASP Name:	CPHY_RL_Modify_REQ
Derivation Path:	
Comments:	@SIC_NAPP For FDD mode only, to request to modify RL. WA#RRC3180
Constraint Value	
<pre> (cellId p_CellId, routingInfo physicalChannelIdentity: p_PhyChId, ratType fdd, modifyMessage { activationTime activateNow: NULL, physicalChannelInfo dPCHInfo: p_dPCHInfo }) </pre>	

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
Reason for change	Activation time should not be used for standard RrcConnectionSetup to DCH and is only present in the local configuration. The activation time should be removed to keep the local configuration consistent to the configuration send to the UE
Summary of change	Use new constraint from WA#RRC3180 without activation time
Source of change	New change
Label	WA#RRC3181

E_UE_CompressedModeRequired_Both			
30	LMWLC_LM_DATA_REQ	ca_RRC_ConnSetup(p_CellId, tsc_RBO, ca_RRC_ConnSetupDCH_ComprModeInfo(tcv_InitiaUE_Id, tcv_RRC_T1, tcv_TripCellInfo.pIScmCode, tcv_TripCellInfo.uRNTI, tcv_TripCellInfo.uL_ScramblingCode))	WA#RRC3178
31	CPHY CPHY_RL_Modify_REQ	ca_CompressedModeDPOH_InfoActNow_REQ (tsc_CellA, tsc_DL_DPCH1, c_dPCHInfo_DL (c_DL_DPCHInfo (c_DL_ConnectionInformation_DCH_ToDCH (c_DL_DPCH_InfoCommon (tsc_DL_DPCH1_SFP_SRB FALSE), tsc_Ttpat, OMT, fdd_Measurement, 0, OMT, OMT, u_and_d: (u of _2 , d of _2), c_DL_DPCH_InfoPerRL (tsc_DL_DPCH1_IndScrc, tsc_DL_DPCH1_ChC_SRB))))	WA#RRC3179 WA#RRC3181
32	CPHY ? CPHY_RL_Modify_ONF	ca_CompressedModeInfoOnF(tsc_CellA, tsc_DL_DPCH1)	
33	CPHY CPHY_RL_Modify_REQ	ca_CompressedModeDPOH_InfoActNow_REQ (tsc_CellA, tsc_UL_DPCH1, c_dPCHInfo_UL (c_UL_DPCH1_6_StandAlone (tcv_TripCellInfo.uL_ScramblingCode)))	WA#RRC3181
34	CPHY ? CPHY_RL_Modify_ONF	ca_CompressedModeInfoOnF (tsc_CellA, tsc_UL_DPCH1)	
35	+ ts_SetCellCfg (p_CellId, cell_DCH_StandAloneSRB)		

4.7 ts_ToStateMOCompressMode_CS_6_9_PS_6_10: line 21 (WA#RRC3182)

Constraint 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

E_RRCConnectionSetupComplete			
20	[tsc_On_Domain = ps_domain]		
21	AMT_RLC_AM_DATA_IND (tcv_PS_HFN = RLC_AM_DATA_IND, m_message uL_DCH_Message message noConnection tsc_RR2, or tsc_RRC_ConnSetupOnF (tcv_RRC_T1, T1))	ca_RRC_ConnSetupOnF(tsc_CellDedicated, tsc_RR2, or tsc_RRC_ConnSetupOnF (tcv_RRC_T1, T1))	WA#RRC3182
	SetupComplete startList (start_Value)		
22	+ ts_GMM_SerReq (p_CellId)		Step 4
23	+ ts_RRC_MAS_SessionAcPS_MO_PB_FT1 (p_CellId)		
24	+ ts_RRC_RAB_EstPS_MO_FT1_FT4 (p_CellId)		
25	[tsc_On_Domain = cs_domain]		
26	AMT_RLC_AM_DATA_IND (tcv_CS_HFN = RLC_AM_DATA_IND, m_message uL_DCH_Message message noConnection tsc_RR2, or tsc_RRC_ConnSetupOnF (tcv_RRC_T1, T1))	ca_RRC_ConnSetupOnF(tsc_CellDedicated, tsc_RR2, or tsc_RRC_ConnSetupOnF (tcv_RRC_T1, T1))	(P) WA#RRC3182
	SetupComplete startList (start_Value)		
27	+ ts_GMM_OH_SerReqDef (p_CellId)		Step 4
28	+ ts_RRC_MAS_ColSetupCS_MO_FT1_FT2 (p_CellId)		
29	+ ts_RRC_RAB_EstCS_MO_FT1_FT2 (p_CellId)		

4.8 c_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_Activate (WA#RRC3188)

Constraint name	c_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_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
Label	WA#RRC3188

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_Activate (p_St : SF512_AnsPilot ; p_Tgcm : TGCM ; p_Tgprc : TGPRC)
Group:	
Type Name:	DL_CommonInformation
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_MAPP WA#RRC3188
Constraint Value	
<pre>(dl_DPCH_InfoCommon) c/Holding maintain :NULL, modeSpecificInfo fdd { dl_DPCH_PowerControlInfo { modeSpecificInfo fdd { dpc_Mode singleTPC } } powerOffsetPilot_pdpdch tsc_DPCH_PowerOffsetPILOT, dl_rate_matching_restriction OMIT , spreadingFactorAnsPilot p_St, positionFixedOrFlexible flexible, trf_Existence TRUE } } modeSpecificInfo fdd { defaultDPCH_OffsetValue OMIT, dpch_CompressedModelInfo tgp_SequenceList[] tgp0 tsc_Tgp0, tgp_Status activate : { tgcfn p_Tgcm }, tgp_ConfigurationParams { tgp0 tsc_Measurement, tgp1 p_Tgprc, --tsc_Tgprc, tgp2 tsc_Tgp2, tgp3 tsc_Tgp3_7, tgp4 OMIT, tgp5 tsc_Tgp5_undefined, tgp6 tsc_Tgp6_3, tgp7 OMIT, tgp8 tsc_Tgp8_undefined, tgp9 tsc_Tgp9_3, tgp10 OMIT, tgp11 mode0, tgp12 mode0, tgp13 mode0, tgp14 Mode ul_and_dl : { ul of_2 , dl of_2 }, tgp15 FrameType dl_FrameTypeB, tgp16 tsc_DeltaSr1, tgp17 DeltaSrAlter1 tsc_DeltaSrAlter1, tgp18 DeltaSr2 OMIT, tgp19 DeltaSrAlter2 OMIT, tgp20 identityAbort OMIT, tgp21 treconfmsAbort OMIT } } } } tsc_DiversityMode noDiversity, tsc_InfoCommon OMIT } }</pre>	
Detailed Comment:	

4.9 cd_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_Activate (WA#RRC3206)

Constraint name	cd_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_Activate
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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_ULCompressModelInfo_Activate and replace tgp_ConfigurationParams with OMIT

Source of change New Change

Label WA#RRC3206

ASN 1 Type Constraint Declaration	
Constraint Name:	cd_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_Activate (p_St: SF512_AnsPilot; p_Tgctn: TGCPN; p_Tgpro: TGPRC)
Group:	
Type Name:	DL_CommonInformation
Derivation Path:	c_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_Activate
Encoding Variation:	
Comments:	@SIC_NAPP WA#RRC3206
Constraint Value	
REPLACE nodeSpecificInfo.tdd.pch.CompressedModelInfo.tgp.SequenceList(0).tgp.ConfigurationParams BY OMIT	
Detailed Comment:	

4.10 cds_PhyChReconf64k_PS_CompressModelInfo (WA#RRC3209)

Constraint name cds_PhyChReconf64k_PS_CompressModelInfo

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_CompressModelInfo containing correct configuration for PhyChanReconfig in step 7

Source of change New Change

Label WA#RRC3209

ASN 1 PDU Constraint Declaration	
Constraint Name:	cds_PhyChReconf64k_PS_CompressModelInfo (p_IntegrityInfo: IntegrityCheckInfo; p_RRC_T: RRC_TransactionIdentifier; p_Active: ActivationTime; p_FreqInfo: FrequencyInfo; p_PreambleCode: PreambleScramblingCode; p_UL_ScramblingCode: UL_ScramblingCode; p_TGPN: TGCPN)
Group:	
PDU Name:	DL_DCDH_Message
Derivation Path:	cds_PhyChReconf64k_PS_CompressModelInfo_Activate
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP WA#RRC3209
Constraint Value	
REPLACE message.physicalChannelReconfiguration_1.physicalChannelReconfiguration_1.ul.ChannelReconfParam.ul.DPOH_Info BY cd_UL_DPOH_Info.ttc.ul.DPOH_SF_RH_PS.p0_0E.p_UL_ScramblingCode; REPLACE message.physicalChannelReconfiguration_1.physicalChannelReconfiguration_1.ul.CommonInformation BY cd_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_Activate (ttc_DL_DPOH_SF_RH_PS.p_TGCPN(0))	

4.11 ts_PhyChReconfig_CompressedModelInfo_UL_DL_noTGPS (WA#RRC3184)

Test step name ts_PhyChReconfig_CompressedModelInfo_UL_DL_noTGPS

Reason for change Test step ts_PhyChReconfig_CS_CompressedModelInfo_UL_DL_noTGPS is only for CS

Summary of change Create new test step ts_PhyChReconfig_CompressedModelInfo_UL_DL_noTGPS supporting CS and PS
added InfoPerRL with proper values for the local configuration use
c_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo_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 New Change
 Label WA#RRC3184

Test Step				
Test Step Id	Test Step Group Ref	Test Step Description	Constraint Ref	Comments
		ts_PhyChReconf_CompressModeActivate_noTGPS (p_ActTime, ActivateTime)		
		ts_PhyChReconf_CS_CompressModeInfo		
		ts_PhyChReconf_64k_PS_CompressModeInfo		
		ts_PhyChReconf_64k_PS_CompressModeInfo		
1		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
2		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
3		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
4		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
5		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
6		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
7		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
8		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
9		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
10		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
11		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
12		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
13		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
14		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
15		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
16		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
17		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
18		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
19		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
20		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
21		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
22		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
23		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
24		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
25		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
26		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
27		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		
28		ts_PhyChReconf (ts_CellDedicated, ts_REG, ts_PhyChReconfSpec, ts_CS_CompressModeInfo)		

4.12 ts_PhyChReconf_CompressModeActivate_noTGPS (WA#RRC3185)

Test step name ts_PhyChReconf_CompressModeActivate_noTGPS
 Reason for change Test step ts_PhyChReconf_CS_CompressModeActivate_noTGPS can only be used for CS mode
 Summary of change Create new test step ts_PhyChReconf_CompressModeActivate_noTGPS for CS and PS
 Source of change New Change
 Label WA#RRC3185

Test Step				
Test Step ID	ts_PhyChReconf_CompressedModeActivate_noTGPS (p_ActTime, ActivateTime)			
Test Step Group Ref	DPCH_CompressedModeModeInfo			
Objective				
Details	RRC_De11			
Comments	@SIC_RAPP WA#RRC3186			
ID	Label	Behaviour Description	Constraint Ref	Comments
1		{(pc_InterFreq_DL_CompressedModeRequired) AND (pc_InterFreq_UL_CompressedModeRequired)}		
2		!ts_PhyChReconf_CompressedModeInfo_UL_DL_noTGPS (p_ActTime)		
3		{pc_InterFreq_DL_CompressedModeRequired}		
4		!ts_PhyChReconf_CS_CompressedModeInfo_DL (p_ActTime)		
5		{pc_InterFreq_UL_CompressedModeRequired}		
6		!ts_PhyChReconf_CS_CompressedModeInfo_UL (p_ActTime)		
7		{!(NOT (pc_InterFreq_DL_CompressedModeRequired) AND (NOT (pc_InterFreq_UL_CompressedModeRequired)))}		
8		!ts_PhyChReconf_CS_NoCompressedModeInfo (p_ActTime)		

4.13 tc_8_4_1_2 : It_LocalTest (WA#RRC3186)

Test step name tc_8_4_1_2 : It_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

It_LocalTest			
13	TS	(ts_TestBody = TRUE)	
14	S	!ts_SerialisedGSM_System (ts_CellA, c_DE11_ModulationControl (FALSE, OMIT, ts_CellInfoA, ts_CellInfoB, ts_CellInfoC, ts_CellInfoD, ts_CellInfoE, ts_CellInfoF, ts_CellInfoG, ts_CellInfoH))	Step 1 in proc.
15		!ts_CalculateActTime (ts_CellA)	To get the current Frame Number
16		!ts_IsStateOfCompressedMode_CS_R_R_PS_S_10 (ts_CellA, s_ReqOR_MO_MO, ts_CellInfoA)	Step 2-4 in proc.
17		!ts_CalculateActTime (ts_CellA)	To get the current Frame Number
18		!ts_PhyChReconf_CompressedModeActivate_noTGPS (ts_ActTime)	Step 5-6 in proc. WA#RRC3186
19		START1_JVWMS (1 * 1000)	
20	TOP	AM_TPLC_AM_DATA_MD	car_MeasurementReport (P) Step 8 in proc.

4.14 cbs_PhyChReconfSpeech_DL_ULCompressModeInfo_noTGPS (WA#RRC3187)

Constraint name cbs_PhyChReconfSpeech_DL_ULCompressModeInfo_noTGPS

Reason for change For the PhyChanReconf (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	
Constraint Name:	cbs_PhyChReconfSpeech_DL_ULCompressModeInfo_asTCPS (
	<pre> p_IntegrityInfo: IntegrityCheckInfo; p_RRC_ID: RRC_TransactionIdentifier; p_ActTime: ActivationTime; p_FreqInfo: FrequencyInfo; p_PrivScramblingCode: PrimaryScramblingCode; p_UL_ScramblingCode: UL_ScramblingCode; p_TGCFN: TGCFN; </pre>
Group:	
PDU Name:	DL_DCH_Message
Derivation Path:	
Encoding Rule Name:	
Encoding Variants:	
Comments:	@@@_MAPP WA#RRC3187
Constraint Value	
	<pre> IntegrityCheckInfo p_IntegrityInfo; message physicalChannelReconfiguration : r2 { physicalChannelReconfiguration_r3 : PhysicalChannelReconfiguration_r3; rrc_TransactionIdentifier a_RRC_ID; integrityProtectionModeInfo OMT; cipheringModeInfo OMT; activationTime p_ActTime; new_UL_PNTI OMT; new_C_PNTI OMT; rrc_StatisticsIndicator csl_DCH; ultran_DPCH_CycleLengthCoast OMT; crn_InformationInfo OMT; uln_Identity OMT; dl_CounterSynchronizationInfo OMT; frequencyInfo p_FreqInfo; maxAllowedUL_Tx_Power tac_MaxAllowPwr; ul_ChannelRequirement ul_DPCH_Info: dl_UL_DPCH_Info tac_UL_DPCH_SF_Speech, p0_B4, p_UL_ScramblingCode; radioBearingInfo list { dl_PDSCH_Information OMT -- DL_PDSCH_Information }; dl_CoverageInformation of_DL_CoverageInformationRB_Set, dl_ULCompressModeInfo_Activate (tac_DL_DPCH_SF_Speech, p_TGCFN, 0), -- DL_CoverageInformation dl_InformationPerRL_List OMT; }; x3GPPNonCriticalExtensions OMT; } </pre>

4.15 cds_PhyChReconf_Speech (WA#RRC3189)

Constraint name	cbs_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

ASN.1 PDU Constraint Declaration	
Constraint Name:	cbs_PhyChReconf_Speech (
	<pre> p_IntegrityInfo: IntegrityCheckInfo; p_RRC_ID: RRC_TransactionIdentifier; p_ActTime: ActivationTime; p_FreqInfo: FrequencyInfo; p_PrivScramblingCode: PrimaryScramblingCode; p_UL_ScramblingCode: UL_ScramblingCode; </pre>
Group:	
PDU Name:	DL_DCH_Message
Derivation Path:	cbs_108_PhyChReconfSpeech
Encoding Rule Name:	
Encoding Variants:	
Comments:	@@@_MAPP WA#RRC3189
Constraint Value	
	<pre> REPLACE message physicalChannelReconfiguration : r3 physicalChannelReconfiguration_r3, dl_CoverageInformation_DCH_ToDCH_TFCI (tac_DL_DPCH_SF_Speech, 1); REPLACE message physicalChannelReconfiguration : r3 physicalChannelReconfiguration_r3, dl_InformationPerRL_List BY OMT; </pre>
Default Comment:	

4.16 tc_8_4_1_2 : lt_PhyChReconf (WA#RRC3190)

Test step name tc_8_4_1_2 : lt_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

Line	Code	Comments	Test Step
39	lt_PhyChReconf		
40	[tcr_PPC_RAB_Type = cell_DCH_Speech]		To get the current Power H
41	AMTRLC_AM_DATA_REQ	var_PhyChReconf (tcr_CellDedicated, tcr_PEG, cell_PhyChReconf_Speech (tcr_CellInfoA.IntegrityCheckInfo, tcr_PPC_UL, tcr_ActTime, tcr_CellInfoA.InsuranceInfo, tcr_CellInfoA.GsmCode, tcr_CellInfoA.ScramblingCode))	Step 7 in progress; SS instructs UE to deactivate the existing compressed mode sequence pattern.
42	ORHY ? ORHY_UL_Multis_REQ	ca_CompressedModeDPCH_Info_REQ (tcr_CellA, tcr_UL_DPCH, tcr_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_Canonicalization_DCH_ToDCH_TFO (tcr_UL_DPCH_SF_Speech), c_DL_DPCH_InfoPerRL (tcr_UL_DPCH_InfoPerC, tcr_UL_DPCH_Info_Speech))))	VA#RRC3190 VA#RRC3190
43	ORHY ? ORHY_UL_Multis_ORF	ca_CompressedModeDPCH_Info_ORF (tcr_CellA, tcr_UL_DPCH)	
44	ORHY ? ORHY_UL_Multis_REQ	ca_CompressedModeDPCH_Info_REQ (tcr_CellA, tcr_UL_DPCH, tcr_ActTime, c_DPCHInfo_UL (ca_UL_DPCH_Info (tcr_UL_DPCH_SF_Speech, p0_04, tcr_CellInfoA.ScramblingCode)))	VA#RRC3190
45	ORHY ? ORHY_UL_Multis_ORF	ca_CompressedModeDPCH_Info_ORF (tcr_CellA, tcr_UL_DPCH)	
46	rs_RRC_ReceivedPhyChReconfReqEtc_CellA, tcr_PPC_RAB_Type)		Step 8 in progress;
47	[tcr_PPC_RAB_Type = cell_DCH_S4CS_RAB_SFB]		
48	AMTRLC_AM_DATA_REQ	var_PhyChReconf (tcr_CellDedicated, tcr_PEG, cell_PhyChReconf_S4CS (tcr_CellInfoA.IntegrityCheckInfo, tcr_PPC_UL, tcr_ActTime, tcr_CellInfoA.InsuranceInfo, tcr_CellInfoA.GsmCode, tcr_CellInfoA.ScramblingCode))	Step 7 in progress; SS instructs UE to deactivate the existing compressed mode sequence pattern.
49	ORHY ? ORHY_UL_Multis_REQ	ca_CompressedModeDPCH_Info_REQ (tcr_CellA, tcr_UL_DPCH, tcr_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_Canonicalization_DCH_ToDCH_TFO (tcr_UL_DPCH_SF_S4CS), c_DL_DPCH_InfoPerRL (tcr_UL_DPCH_InfoPerC, tcr_UL_DPCH_Info_S4CS))))	VA#RRC3190
50	ORHY ? ORHY_UL_Multis_ORF	ca_CompressedModeDPCH_Info_ORF (tcr_CellA, tcr_UL_DPCH)	
51	ORHY ? ORHY_UL_Multis_REQ	ca_CompressedModeDPCH_Info_REQ (tcr_CellA, tcr_UL_DPCH, tcr_ActTime, c_DPCHInfo_UL (ca_UL_DPCH_Info (tcr_UL_DPCH_SF_S4CS, p0_08, tcr_CellInfoA.ScramblingCode)))	VA#RRC3190
52	ORHY ? ORHY_UL_Multis_ORF	ca_CompressedModeDPCH_Info_ORF (tcr_CellA, tcr_UL_DPCH)	
53	rs_RRC_ReceivedPhyChReconfReqEtc_CellA, tcr_PPC_RAB_Type)		Step 8 in progress;
54	[tcr_PPC_RAB_Type = cell_DCH_SF_S4CS_RAB_SFB]		
55	AMTRLC_AM_DATA_REQ	var_PhyChReconf (tcr_CellDedicated, tcr_PEG, cell_PhyChReconf_SF_S4CS (tcr_CellInfoA.IntegrityCheckInfo, tcr_PPC_UL, tcr_ActTime, tcr_CellInfoA.InsuranceInfo, tcr_CellInfoA.GsmCode, tcr_CellInfoA.ScramblingCode))	Step 7 in progress; SS instructs UE to deactivate the existing compressed mode sequence pattern.
56	ORHY ? ORHY_UL_Multis_REQ	ca_CompressedModeDPCH_Info_REQ (tcr_CellA, tcr_UL_DPCH, tcr_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_Canonicalization_DCH_ToDCH_TFO (tcr_UL_DPCH_SF_S4CS), c_DL_DPCH_InfoPerRL (tcr_UL_DPCH_InfoPerC, tcr_UL_DPCH_Info_SF_S4CS))))	VA#RRC3190
57	ORHY ? ORHY_UL_Multis_ORF	ca_CompressedModeDPCH_Info_ORF (tcr_CellA, tcr_UL_DPCH)	
58	ORHY ? ORHY_UL_Multis_REQ	ca_CompressedModeDPCH_Info_REQ (tcr_CellA, tcr_UL_DPCH, tcr_ActTime, c_DPCHInfo_UL (ca_UL_DPCH_Info (tcr_UL_DPCH_SF_S4CS, p0_08, tcr_CellInfoA.ScramblingCode)))	VA#RRC3190
59	ORHY ? ORHY_UL_Multis_ORF	ca_CompressedModeDPCH_Info_ORF (tcr_CellA, tcr_UL_DPCH)	
60	rs_RRC_ReceivedPhyChReconfReqEtc_CellA, tcr_PPC_RAB_Type)		Step 8 in progress;
61	[tcr_PPC_RAB_Type = cell_DCH_SF_S4PS_RAB_SFB]		
62	AMTRLC_AM_DATA_REQ	var_PhyChReconf (tcr_CellDedicated, tcr_PEG, cell_PhyChReconf_SF_PS (tcr_CellInfoA.IntegrityCheckInfo, tcr_PPC_UL, tcr_ActTime, tcr_CellInfoA.InsuranceInfo, tcr_CellInfoA.GsmCode, tcr_CellInfoA.ScramblingCode))	Step 7 in progress; SS instructs UE to deactivate the existing compressed mode sequence pattern.
63	ORHY ? ORHY_UL_Multis_REQ	ca_CompressedModeDPCH_Info_REQ (tcr_CellA, tcr_UL_DPCH, tcr_ActTime, c_DPCHInfo_DL (c_DL_DPCHInfo (c_DL_Canonicalization_DCH_ToDCH_TFO (tcr_UL_DPCH_SF_S4PS), c_DL_DPCH_InfoPerRL (tcr_UL_DPCH_InfoPerC, tcr_UL_DPCH_Info_SF_PS))))	VA#RRC3190
64	ORHY ? ORHY_UL_Multis_ORF	ca_CompressedModeDPCH_Info_ORF (tcr_CellA, tcr_UL_DPCH)	
65	ORHY ? ORHY_UL_Multis_REQ	ca_CompressedModeDPCH_Info_REQ (tcr_CellA, tcr_UL_DPCH, tcr_ActTime, c_DPCHInfo_UL (ca_UL_DPCH_Info (tcr_UL_DPCH_SF_S4PS, p0_08, tcr_CellInfoA.ScramblingCode)))	VA#RRC3190
66	ORHY ? ORHY_UL_Multis_ORF	ca_CompressedModeDPCH_Info_ORF (tcr_CellA, tcr_UL_DPCH)	
67	rs_RRC_ReceivedPhyChReconfReqEtc_CellA, tcr_PPC_RAB_Type)		Step 8 in progress;

4.17 tc_8_4_1_2 : lt_PhyChReconf (WA#RRC3191)

Test step name tc_8_4_1_2 : lt_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 tcr_CellInfoA.priScrmCode to tcr_CellInfoA.uL_ScramblingCode
Source of change New Change
Label WA#RRC3191

T_PhyChReconf			
38	-> ul_ScramblingCode (UL_ScramblingCode)		To get the current frame number
39	[tcv_PhyChReconf_ScramblingCode]		
40	AMR12_UL_DATA_BEG	<pre> ul_PhyChReconf (for_CalculatedFor_PBS, ul_PhyChReconf_ScramblingCode (for_CalculatedFor_PBS), tcv_PBS_S, tcv_Active, for_CalculatedFor_PBS, for_CalculatedFor_PBS, ul_ScramblingCode) ul_CalculatedFor_PBS (for_CalculatedFor_PBS, for_CalculatedFor_PBS, for_UL_DFT1, for_Active, ul_DFT1, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_ScramblingCode) </pre>	Step 1 is done.
41			Step 1 is done.
42	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
43	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
44	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
45	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
46	ul_PBS_ReconfigOfPDSCH (ul_PBS_ReconfigOfPDSCH, ul_PBS_ReconfigOfPDSCH)		Step 1 is done.
47	[tcv_PhyChReconf_ScramblingCode]		
48	AMR12_UL_DATA_BEG	<pre> ul_PhyChReconf (for_CalculatedFor_PBS, ul_PhyChReconf_ScramblingCode (for_CalculatedFor_PBS), tcv_PBS_S, tcv_Active, for_CalculatedFor_PBS, for_CalculatedFor_PBS, ul_ScramblingCode) ul_CalculatedFor_PBS (for_CalculatedFor_PBS, for_CalculatedFor_PBS, for_UL_DFT1, for_Active, ul_DFT1, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_ScramblingCode) </pre>	Step 1 is done.
49	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
50	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
51	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
52	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
53	ul_PBS_ReconfigOfPDSCH (ul_PBS_ReconfigOfPDSCH, ul_PBS_ReconfigOfPDSCH)		Step 1 is done.
54	[tcv_PhyChReconf_ScramblingCode]		
55	AMR12_UL_DATA_BEG	<pre> ul_PhyChReconf (for_CalculatedFor_PBS, ul_PhyChReconf_ScramblingCode (for_CalculatedFor_PBS), tcv_PBS_S, tcv_Active, for_CalculatedFor_PBS, for_CalculatedFor_PBS, ul_ScramblingCode) ul_CalculatedFor_PBS (for_CalculatedFor_PBS, for_CalculatedFor_PBS, for_UL_DFT1, for_Active, ul_DFT1, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_ScramblingCode) </pre>	Step 1 is done.
56	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
57	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
58	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
59	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
60	ul_PBS_ReconfigOfPDSCH (ul_PBS_ReconfigOfPDSCH, ul_PBS_ReconfigOfPDSCH)		Step 1 is done.
61	[tcv_PhyChReconf_ScramblingCode]		
62	AMR12_UL_DATA_BEG	<pre> ul_PhyChReconf (for_CalculatedFor_PBS, ul_PhyChReconf_ScramblingCode (for_CalculatedFor_PBS), tcv_PBS_S, tcv_Active, for_CalculatedFor_PBS, for_CalculatedFor_PBS, ul_ScramblingCode) ul_CalculatedFor_PBS (for_CalculatedFor_PBS, for_CalculatedFor_PBS, for_UL_DFT1, for_Active, ul_DFT1, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_DFT1, ul_ScramblingCode, ul_ScramblingCode) </pre>	Step 1 is done.
63	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
64	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
65	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
66	ORH1 ORH1_UL_Midband_PBS		Step 1 is done.
67	ul_PBS_ReconfigOfPDSCH (ul_PBS_ReconfigOfPDSCH, ul_PBS_ReconfigOfPDSCH)		Step 1 is done.

4.18 tc_8_4_1_2 : It_PhyChReconf (WA#RRC3192)

Test step name	tc_8_4_1_2 : It_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

R_PhyDefect	Defect Description	Defect Details	Defect Status
38	43_CalculatedTsc (tc_CMR)		To get the correct Frame Number
39	tc_RRC_RAB_Type = cat_DCH_SPC_SPC		
40	tc_RRC_RAB_Type = cat_DCH_SPC_SPC		
41	tc_RRC_RAB_Type = cat_DCH_SPC_SPC	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	Step 7 in proc
42	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
43	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
44	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
45	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
46	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
47	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
48	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
49	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
50	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
51	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
52	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
53	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
54	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
55	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
56	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc
57	tc_PhyDefect (tc_CalculatedTsc, tc_RRC_RAB_Type, tc_Active, tc_DedicatedResource, tc_SchedulingCode)	tc_Active, tc_DedicatedResource, tc_SchedulingCode	Step 7 in proc

4.19 tc_8_4_1_2 : It_UptoStep_10_CompresedMode (WA#RRC3193)

Test step name tc_8_4_1_2 : It_UptoStep_10_CompresedMode, 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 correction of WA#RRC3210

4.20 tc_8_4_1_2 : It_UptoStep_10_CompresedMode (WA#RRC3210)

Test step name tc_8_4_1_2 : It_UptoStep_10_CompresedMode, 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

9	It_UptoStep_10_CompressedMode		
10	+t_rcvOnSuccess		
11	START_L1_meas (200 * 20)		Initialize the wait time to 40000 msec
12	T_TIMEOUT_L1_meas		WARNRC3202
13	AM_TSLC_AM_DATA_REQ		To get the current Frame Number
14	AM_TSLC_AM_DATA_REQ	ue_MeasurementReport (trc_CellSelected, trc_RSRP, trc_MeasurementControlInfo (t, trc_CellInfo, OMT.OMT.T))	Step 10 in proc.
15		ue_MeasurementControlInfo (t, trc_CellInfo, OMT.OMT.T)	Send measurement control msg to UE
16		ue_MeasurementControlInfo (t, trc_CellInfo, OMT.OMT.T)	WARNRC3202
17	[trc_RRC_RAB_Type == cdl_DCH_SPS]		WARNRC3210
18	CHY1 CHY1_IL_Measv_REQ	ue_CompressedModeDCH_Info_REQ (trc_Cell, trc_IL_DPOH, trc_Active, c_DPOHs_IL (c_IL_DPOHs (c_IL_ConstantInformation_SetIL_IL_CompressedMode_Active (trc_IL_DPOH_SPS_SPS, trc_TGCH, 0), c_IL_DPOH_InfoPS (trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS))))	WARNRC3210
19	CHY1 CHY1_IL_Measv_CNF	ue_CompressedModeDCH_Info_CNF (trc_Cell, trc_IL_DPOH)	
20	CHY1 CHY1_IL_Measv_REQ	ue_CompressedModeDCH_Info_REQ (trc_Cell, trc_IL_DPOH, trc_Active, c_DPOHs_IL (t, trc_IL_DPOH_Info (trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS)))	
21	CHY1 CHY1_IL_Measv_CNF	ue_CompressedModeDCH_Info_CNF (trc_Cell, trc_IL_DPOH)	
22	+t_check_measurement_reports		WARNRC3212
23	[trc_RRC_RAB_Type == cdl_DCH_SPS]		WARNRC3210
24	CHY1 CHY1_IL_Measv_REQ	ue_CompressedModeDCH_Info_REQ (trc_Cell, trc_IL_DPOH, trc_Active, c_DPOHs_IL (c_IL_DPOHs (c_IL_ConstantInformation_SetIL_IL_CompressedMode_Active (trc_IL_DPOH_SPS_SPS, trc_TGCH, 0), c_IL_DPOH_InfoPS (trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS))))	WARNRC3210
25	CHY1 CHY1_IL_Measv_CNF	ue_CompressedModeDCH_Info_CNF (trc_Cell, trc_IL_DPOH)	
26	CHY1 CHY1_IL_Measv_REQ	ue_CompressedModeDCH_Info_REQ (trc_Cell, trc_IL_DPOH, trc_Active, c_DPOHs_IL (t, trc_IL_DPOH_Info (trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS)))	
27	CHY1 CHY1_IL_Measv_CNF	ue_CompressedModeDCH_Info_CNF (trc_Cell, trc_IL_DPOH)	
28	+t_check_measurement_reports		WARNRC3212
29	[trc_RRC_RAB_Type == cdl_DCH_SPS]		WARNRC3210
30	CHY1 CHY1_IL_Measv_REQ	ue_CompressedModeDCH_Info_REQ (trc_Cell, trc_IL_DPOH, trc_Active, c_DPOHs_IL (c_IL_DPOHs (c_IL_ConstantInformation_SetIL_IL_CompressedMode_Active (trc_IL_DPOH_SPS_SPS, trc_TGCH, 0), c_IL_DPOH_InfoPS (trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS))))	WARNRC3210
31	CHY1 CHY1_IL_Measv_CNF	ue_CompressedModeDCH_Info_CNF (trc_Cell, trc_IL_DPOH)	
32	CHY1 CHY1_IL_Measv_REQ	ue_CompressedModeDCH_Info_REQ (trc_Cell, trc_IL_DPOH, trc_Active, c_DPOHs_IL (t, trc_IL_DPOH_Info (trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS)))	
33	CHY1 CHY1_IL_Measv_CNF	ue_CompressedModeDCH_Info_CNF (trc_Cell, trc_IL_DPOH)	
34	+t_check_measurement_reports		WARNRC3212
35	[trc_RRC_RAB_Type == cdl_DCH_SPS]		WARNRC3210
36	CHY1 CHY1_IL_Measv_REQ	ue_CompressedModeDCH_Info_REQ (trc_Cell, trc_IL_DPOH, trc_Active, c_DPOHs_IL (c_IL_DPOHs (c_IL_ConstantInformation_SetIL_IL_CompressedMode_Active (trc_IL_DPOH_SPS_SPS, trc_TGCH, 0), c_IL_DPOH_InfoPS (trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS))))	WARNRC3210
37	CHY1 CHY1_IL_Measv_CNF	ue_CompressedModeDCH_Info_CNF (trc_Cell, trc_IL_DPOH)	
38	CHY1 CHY1_IL_Measv_REQ	ue_CompressedModeDCH_Info_REQ (trc_Cell, trc_IL_DPOH, trc_Active, c_DPOHs_IL (t, trc_IL_DPOH_Info (trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS, trc_IL_DPOH_InfoPS)))	
39	CHY1 CHY1_IL_Measv_CNF	ue_CompressedModeDCH_Info_CNF (trc_Cell, trc_IL_DPOH)	
40	+t_check_measurement_reports		WARNRC3212

4.21 tc_8_4_1_2 : It_check_measurement_reports (WA#RRC3202)

Test 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)
Summary of change	Create new local test step expecting two Measurement Reports to reuse TTCN-Code in order to improve readability
Source of change	New change
Label	WA#RRC3202

1	It_check_measurement_reports		
2	[trc_Tolerance == (10 * 1000)]		
3	START_L1_meas (10 * 1000 + trc_Tolerance)		Initialize the wait time to 10 seconds
4	T_TIMEOUT_L1_meas		Then expires the wait time
5	AM_TSLC_AM_DATA_REQ	ue_MeasurementReport (trc_CellSelected, trc_RSRP, trc_MeasurementControlInfo (t, trc_CellInfo, OMT.OMT.T))	Step 10 in proc.
6	CANCEL_L1_meas		Cancel time
7	START_L1_meas (10 * 1000 + trc_Tolerance)		Initialize the wait time to 10 seconds
8	T_TIMEOUT_L1_meas		Then expires the wait time
9	AM_TSLC_AM_DATA_REQ	ue_MeasurementReport (trc_CellSelected, trc_RSRP, trc_MeasurementControlInfo (t, trc_CellInfo, OMT.OMT.T))	Step 10 in proc.
10	CANCEL_L1_meas		Cancel time

4.22 tc_8_4_1_2 : It_UptoStep_10_CompressedMode (WA#RRC3212)

Test step name	tc_8_4_1_2 : It_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 change Replace the code to check the receive of the Measurement Reports with the local test step It_check_measurement_reports

Source of change New change

Label WA#RRC3212

See screenshot for correction of WA#RRC3210

4.23 tc_8_4_1_2 : It_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

Line	Code	Description
13	TD (tcv_TestBody => TRUE)	
14	<pre> +ts_SendModifiedSRB1_SynInfo (tcv_CellA , c_SRB1_Mod RelevanceControl(FALSE, OMT, tcv_CellInfoA , tcv_CellInfoB , tcv_CellInfoC , tcv_CellInfoD , tcv_CellInfoE , tcv_CellInfoF , tcv_CellInfoG , tcv_CellInfoH)) </pre>	Step 1 in progress
15	+ts_CalculateActTime (tcv_CellA)	To get the current Frame Number
16	+ts_ToStateMOCompressMode_CS_6_9_PS_6_10 (tcv_CellA , c_RegOP , tcv_MO , tcv_RRC_ExtCauseMO)	Step 2-4 in progress
17	+ts_CalculateActTime (tcv_CellA)	To get the current Frame Number WA#RRC3197
18	+ts_PhyChanReconf_CS_CompressModeActivate_yuTCP (tcv_ActTime)	Step 5-6 in progress

4.24 tc_8_4_1_2 : It_UptoStep_10_CompressedMode (WA#RRC3198)

Test step name tc_8_4_1_2 : It_UptoStep_10_CompressedMode, line 5

Reason for change According 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

Summary of change Change parameter from tcv_TGPSRFCN to tcv_TGCFN

Source of change New change

Label WA#RRC3198

Line	Code	Description
69	+E_PhyChanReconf	
70	START (tcv_TestBody => TRUE)	Follows the wait time to activate the test body
71	+ts_CalculateActTime (tcv_CellA)	To get the current Frame Number
72	ts_RLC_Activate_DRB (tcv_CellA , tcv_DRB , tcv_MeasurementControlReq (tcv_CellInfoA , tcv_CellInfoB , tcv_CellInfoC , tcv_CellInfoD , tcv_CellInfoE , tcv_CellInfoF , tcv_CellInfoG , tcv_CellInfoH))	Step 1 in progress
73	ts_RLC_Activate_DRB (tcv_CellA , tcv_DRB , tcv_MeasurementControlReq (tcv_CellInfoA , tcv_CellInfoB , tcv_CellInfoC , tcv_CellInfoD , tcv_CellInfoE , tcv_CellInfoF , tcv_CellInfoG , tcv_CellInfoH))	Send measurement control req for DRB WA#RRC3198
74	ts_RLC_Activate_DRB (tcv_CellA , tcv_DRB , tcv_MeasurementControlReq (tcv_CellInfoA , tcv_CellInfoB , tcv_CellInfoC , tcv_CellInfoD , tcv_CellInfoE , tcv_CellInfoF , tcv_CellInfoG , tcv_CellInfoH))	WA#RRC3198
75	ts_RLC_Activate_DRB (tcv_CellA , tcv_DRB , tcv_MeasurementControlReq (tcv_CellInfoA , tcv_CellInfoB , tcv_CellInfoC , tcv_CellInfoD , tcv_CellInfoE , tcv_CellInfoF , tcv_CellInfoG , tcv_CellInfoH))	WA#RRC3198
76	ts_RLC_Activate_DRB (tcv_CellA , tcv_DRB , tcv_MeasurementControlReq (tcv_CellInfoA , tcv_CellInfoB , tcv_CellInfoC , tcv_CellInfoD , tcv_CellInfoE , tcv_CellInfoF , tcv_CellInfoG , tcv_CellInfoH))	WA#RRC3198
77	ts_RLC_Activate_DRB (tcv_CellA , tcv_DRB , tcv_MeasurementControlReq (tcv_CellInfoA , tcv_CellInfoB , tcv_CellInfoC , tcv_CellInfoD , tcv_CellInfoE , tcv_CellInfoF , tcv_CellInfoG , tcv_CellInfoH))	WA#RRC3198
78	+ts_CalculateActTime (tcv_CellA)	WA#RRC3198

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

cellsForInterFreqMeasList should be set to OMIT

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

ASN.1 PDU Constraint Declaration	
Constraint Name:	cs_MeasurementControlInterFreq (p_integrityInfo : IntegrityCheckInfo; p_RRC_TL : RRC_TransactionIdentifier; p_measId : INTEGER; p_cellInfo : CellInfoCrg; p_measQuan : FreqQualityEstimateQuantity_FDD; p_RSSI : BOOLEAN; p_FreqQualityEst : BOOLEAN; p_measValidity : MeasurementValidity; p_CPCH_Echo : BOOLEAN; p_CPCH_RSOP : BOOLEAN; p_reportingInterval : ReportingIntervalLong; p_cpch_CompressedModeStatusInfo : CPCH_CompressedModeStatusInfo)
Group:	
PDU Name:	DL_DCH_Message
Derivation Path:	
Encoding Rule Name:	PER_Unaligned
Encoding Variation:	
Comments:	@SIC_WA#RRC3200: Measurement Control Command to start inter frequency measurement WA#RRC3200
Constraint Value:	
<pre> integrityCheckInfo p_integrityInfo, measurementControlControl : r3 { measurementControl_r3 { rrc_TransactionIdentifier p_RRC_TL, measurementIdentifier p_measId, measurementCommand setup : InterFrequencyMeasurement : { InterFreqCellsList { removedInterFreqCellList removedInterFreqCells : NULL, newInterFreqCellList { InterFreqCellID p_cellInfo.cellId, frequencyInfo p_cellInfo.frequencyInfo, cellInfo { cellIndividualOffset 0, referenceTimeDifferenceToCell OMIT, modeSpecificInfo ldd : { primaryCPCH_Info { primarySynchronizingCode p_cellInfo.priScwCode } } resetGPH_indicator FALSE, Tx_DiversityIndicator FALSE } } } } } cellsForInterFreqMeasList OMIT } InterFreqMeasQuantity { reportingCriteria InterFreqReportingCriteria } </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	
Constraint Name:	cb_MeasurementControlSetupOnEventReporting { p_IntegrityInfo : IntegrityCheckInfo, p_RRC_TI : RRC_TransactionIdentifier, p_MeasurementId : MeasurementIdentity, p_CellInfo : CellInfoCtg, p_RSSI : BOOLEAN, p_CRCH_Echo : BOOLEAN, p_CRCH_RSOP : BOOLEAN, p_FreqQualityEst : BOOLEAN }
Group:	
PDU Name:	DL_DCCCH_Message
Derivation Path:	
Encoding Rule Name:	PER_Unaligned
Encoding Variation:	
Comments:	@SIC_HAPP Measurement Control Command to trigger an 'C' event triggered event, for cell 4, used in test case 8.4.1.2 WA#RRC3201
Constraint Value	
<pre> integrityCheckInfo p_integrityInfo : nextStage measurementControl : r3 { measurementControl_r3 { rrc_TransactionIdentifier p_rrc_TI measurementIdentity a_measurementId measurementCommand setup : interFrequencyMeasurement } interFreqCellInfoList { reservedInterFreqCellList reservedInterFreqCells : NULL, newInterFreqCellList { interFreqCell0 p_cellInfo cell0, frequencyInfo p_cellInfo frequencyInfo, cellInfo { cellIndividualOffset 0, referenceTimeDifferenceToCell OMIT, modeSpecificInfo tdd : { primaryCRCH_Info { primaryScramblingCode p_cellInfo p_sscCode } reservedSPN_Indicator FALSE, tx_DiversityIndicator FALSE } } } } cellInfoForInterFreqNewList OMIT } interFreqMeasQuantity { reportingCriteria interFreqReportingCriteria : { filterCoefficient tdd : modeSpecificInfo tdd : { freqQualityEstimateQuantity_FDD cpich_RSOP } } } } </pre>	

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

ASN.1 PDU Constraint Declaration	
Constraint Name:	<pre> cr_MeasReportInterFreqPeriodic (s_measId: INTEGER, s_cellInfo: CellInfoC, s_rssI: UTRA_CarrierRSSI, s_CRCH_SchId: INTEGER, s_CRCH_RSOP: INTEGER) </pre>
Group:	
PDU Name:	UA_DCH_Message
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	<pre> @DCC_HAPP V04#RRC3203 </pre>
Constraint Value	
	<pre> IntegrityCheckInfo * message: MeasurementReport { measurementIdentity: p_measId, measuredResults: InterFreqMeasuredResultsList { { frequencyInfo: p_cellInfo.frequencyInfo, utraCarrierRSSI: p_rssI, interFreqCellMeasuredResultsList { { cellIdentity: OMT, duration: OMT, cellSynchronizationInfo: OMT, nodeSpecificInfo: tdd { primaryCRCH_Info { primaryScramblingCode: p_cellInfo.priScrnCode } } cpch_Ec_NO: p_CRCH_SchId, cpch_RSOP: p_CRCH_RSOP, pathLoss: OMT } } } } measuredResultsOfRACH: OMT, additionalMeasuredResults: OMT, eventResults: OMT, v04#onCRCHExtensions * } </pre>

4.28 tc_8_4_1_2 : It_LocalTest (WA#RRC3204)

Test step name tc_8_4_1_2 : It_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

It_LocalTest				
13	TBS	(tcv_TestBody := TRUE)		
14		<pre> Hts_SendModifiedSIB11_SystemInfo (tsc_CellA , c_SIB11_ModifiedMeasControl (FALSE, O MIT, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellIn fF, tcv_CellInfoG, tcv_CellInfoH)) </pre>		Step 1 in prose;
15		<pre> Hts_CalculateActTime (tsc_CellA) </pre>		To get the current Frame Number
16		<pre> Hts_ToStateMOCompressMode_CS_6_9_PS_6_10 (tsc_CellA , c_RegOR_MO_MO , tcv RRC_EstCauseMO) </pre>		Step 2-4 in prose;
17		<pre> Hts_CalculateActTime (tsc_CellA) </pre>		To get the current Frame Number V04#RRC3197
18		<pre> Hts_PhyChReconf_CompressModeActivate_noTGPS (tcv_ActTime) </pre>		Step 5-5a in prose; V04#RRC3186
19		STARTLY#MMS (10 * 1000)		V04#RRC3204
20	TEF1	AM TRLC_AM_DATA_IND	<pre> cr_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportInterFreqPeriodic (* , * , * , * , *)) </pre>	(F) Step 6 in prose; Measurement report shouldn't be r eceived.

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_AndPilot;
	p_Ttci_Existence: BOOLEAN
)
Group:	
Type Name:	DL_DPCH_InfoCommon
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP WA#RRC3205
Constraint Value	
<pre> } cfnHandling initialise : { cfnTargetsMtraweeoffset OMT } modeSpecificInfo fdd { dl_DPCH_PowerControlInfo { modeSpecificInfo fdd { dpc_Mode singleTPC } } } powerOffsetPilot_pdpdch tsc_DPCH_PowerOffsetPILOT, dl_rate_reaching_restriction OMT, spreadingFactorAndPilot p_St, positionFixedOrFlexible fixed, ttci_Existence p_Ttci_Existence } } </pre>	

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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 260 # rev - #	Current version: 3.5.1 #

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

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

Title:	# Addition of GCF P3 test case 8.4.1.31 to RRC ATS v3.5.1		
Source:	# Anite		
Work item code:	# N/A	Date:	# 04/05/04
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RRC test case 8.4.1.31 to the approved RRC ATS V3.5.1
Summary of change:	# This document lists all changes applied to test case 8.4.1.31 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	#										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;"> </td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> </table>	Y	N		X	Y			X	Other core specifications Test specifications O&M Specifications	# Prose CR T1-040665 will be submitted to the next TSG T1 Sig Meeting #23 in Beijing, China
Y	N										
	X										
Y											
	X										
Other comments:	#										

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 8.4.1.31 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 $(\text{Current CFN} + (256 - \text{TTI}/10\text{msec})) \bmod 256$. 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_TGCFN 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:

It_TestBody				
0.	TSS	(bv_TestBody = TRUE)		
1		+b_CalculateActTime (tr_CellA)		
2		+R_PhyChRetof_CompresseModeDeactivate		Step 2 and 3 in proc. SS sends physical Channel release message and receive
3		+b_CalculateActTime (tr_CellA)		
4		((pc_InterRAT_DL_CompresseModeRequired) AND (pc_InterRAT_UL_CompresseModeRequired))		
5		AM (RLC_AM_DATA_REQ	cs_MeasurementControl (tr_CellA) isActed, tr_RRQ, cs_MeasurementControlInterRATMeas_ DCH (tr_CellA) of dl_IntegrityCheckIn fo, tr_RRC_TL SS, tr_TOPSRFCH, tr_TOCPN { }	Step 4 in proc

After:

It_TestBody				
0.	TSS	(bv_TestBody = TRUE)		
1		+b_CalculateActTime (tr_CellA)		
2		+R_PhyChRetof_CompresseModeDeactivate		Step 2 and 3 in proc. SS sends physical Channel release message and receive
3		+b_CalculateActTime (tr_CellA)		
4		(tr_TOCPN = tr_TOCPN)		
5		((pc_InterRAT_DL_CompresseModeRequired) AND (pc_InterRAT_UL_CompresseModeRequired))		
6		AM (RLC_AM_DATA_REQ	cs_MeasurementControl (tr_CellA) isActed, tr_RRQ, cs_MeasurementControlInterRATMeas_ DCH (tr_CellA) of dl_IntegrityCheckIn fo, tr_RRC_TL SS, tr_TOPSRFCH, tr_TOCPN { }	Step 4 in proc

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_CompresseModeRequired) AND (pc_InterRAT_UL_CompresseModeRequired))] 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:

0					
1			(Is_TestBody = TRUE)		
2	T00		+H_CalibrationTime (Is_CellA) +E_PDCCHPower_ConversionModeDeactBwp		Step 2 and 3 in probe; SS sends physical Channel and DCI message and flush
3			+H_CalibrationTime (Is_CellA)		
4			AM TRLC_AM_DATA_REQ	cat_MeasurementControl (Is_CellDeact IsAct, Is_RR2, cs_MeasurementControlInterRATNew, DCH (Is_CellDeact @ IntegrityCheck Is, Is_RR2_T1, Is, Is_T0PDRFCN, Is_T0CFN)	Step 4 in probe
5			CPHY ? CPHY_RL_Measb_REQ	ca_CompressedModeStatusInfo_REQ (Is_CellA, Is_DL_DPCCH), Is_ActTime, c_DPCCH_CompressedModeStatusInfoReq (Is_T0PDRFCN, Is_T0CFN)	
6			CPHY ? CPHY_RL_Measb_CNF	ca_CompressedModeInfoCNF (Is_CellA, Is_DL_DPCCH)	
7			CPHY ? CPHY_RL_Measb_REQ	ca_CompressedModeStatusInfo_REQ (Is_CellA, Is_DL_DPCCH), Is_ActTime, c_DPCCH_CompressedModeStatusInfoReq (Is_T0PDRFCN, Is_T0CFN)	
8			CPHY ? CPHY_RL_Measb_CNF	ca_CompressedModeInfoCNF (Is_CellA, Is_DL_DPCCH)	
9			(Is_Tolerance = (2 * 40) + 50)		
10			START_L_WaitMS (1 * 1000 + Is_Tolerance)		Initiate Forward Search 1
11			*)		
11	T0P1		? TIMEOUT_L_WaitMS		(F)
11	T0P1		AM TRLC_AM_DATA_REQ	cat_MeasurementReport (Is_CellDeact (F) IsAct, Is_RR2, cs_MeasReportInterRATNew (Is_OMT, nonVerifiedSSC: 1, nonVerifiedSSC: 7, OMT))	Step 5 in probe
12			CANCEL_L_WaitMS		
13			(Is_Tolerance = (2 * 40) + 50)		
14			START_L_WaitMS (1 * 1000 + Is_Tolerance)		Initiate Forward Search 1
15			*)		
15	T0P2		? TIMEOUT_L_WaitMS		(F)
15	T0P2		AM TRLC_AM_DATA_REQ	cat_MeasurementReport (Is_CellDeact (F) IsAct, Is_RR2, cs_MeasReportInterRATNew (Is_OMT, nonVerifiedSSC: 1, nonVerifiedSSC: 7, OMT))	Step 6 in probe
16			CANCEL_L_WaitMS		
17			+H_CalibrationTime (Is_CellA)		
18			AM TRLC_AM_DATA_REQ	cat_MeasurementControl (Is_CellDeact IsAct, Is_RR2, cs_MeasurementControlInterRATNew, DCH (Is_CellDeact @ IntegrityCheck Is, Is_RR2_T1, Is, Is_T0PDRFCN, Is_T0CFN)	Step 7 in probe
19			(Is_Tolerance = (2 * 40) + 50)		
20			START_L_WaitMS (1 * 12000 + Is_Tolerance)		Initiate Forward Search 1
21			*)		
21	T0P3		? TIMEOUT_L_WaitMS		(F)
21	T0P3		AM TRLC_AM_DATA_REQ	cat_MeasurementReport (Is_CellDeact (F) IsAct, Is_RR2, cs_MeasReportInterRATNew (Is_OMT, verifiedSSC: Is_OGM_InterRAT_CellA, nonVerifiedSSC: Is_OGM_InterRAT_CellB, OMT))	Step 8 in probe
22			CANCEL_L_WaitMS		
23			(Is_Tolerance = (2 * 40) + 50)		
24			START_L_WaitMS (1 * 12000 + Is_Tolerance)		Initiate Forward Search 1
25			Tolerance)		
25	T0P4		? TIMEOUT_L_WaitMS		(F)
25	T0P4		AM TRLC_AM_DATA_REQ	cat_MeasurementReport (Is_CellDeact (F) IsAct, Is_RR2, cs_MeasReportInterRATNew (Is_OMT, verifiedSSC: Is_OGM_InterRAT_CellA, verifiedSSC: Is_OGM_InterRAT_CellB, OMT))	Step 9 in probe
26			CANCEL_L_WaitMS		
27			+H_C2_ChannelReDCH (Is_CellA)		Step 10 in probe
28	T00		(Is_TestBody = FALSE)		(F)

ASN 1 PDU Constraint Declaration	
Constraint Name	cs_MeasurementControlInterRATMeas_DCH (s_IntegrityInfo IntegrityCheckInfo; s_RRC_TI_RRC_TransactionIdentifier; s_MeasId_NonInterRAT_INTEGER; s_Type_Report_Chr TOPS_ReportIdentifier_OFN; s_Type TOCFN;)
Origin	
PDU Name	DL_DCH_Message
Derivation Path	
Encoding Rule Name	PDR_Unaligned
Encoding Variation	
Comments	gsmc_NMP: Measurement Control Command to start Inter-RAT measurement, UE (i.e. CoSA and CoRS) has to be measured
Constraint Value	
	<pre> 0 IntegrityCheckInfo s_IntegrityInfo; message measurementControl (0) measurementControl(0) rc_TransactionIdentifier s_RRC_TI; rc_ConstantIdentifier s_MeasId_NonInterRAT; measurementCommand setup-InterRATMeasurement { InterRATCellsList { removeInterRATCellList removeInterRATCells NULL; addInterRATCellList { InterRATCellID bc_OGM_InterRAT_CellA; technologySpecificInfo gsm { cellSelectorReservedInfo OMT; InterRATCellIndividualOffset bc_InterRATCellIndividualOffset; bc { mcc 0; bc 1; } frequency_band dcs1800BandUsed; bch_ARFCN 1; dummy OMT; } } InterRATCellID bc_OGM_InterRAT_CellB; technologySpecificInfo gsm : { cellSelectorReservedInfo OMT; InterRATCellIndividualOffset bc_InterRATCellIndividualOffset; bc { mcc 0; bc 2; } frequency_band dcs1800BandUsed; bch_ARFCN 7; dummy OMT; } } cellsForInterRATMeasList OMT } InterRATMeasQuantity raSpecificInfo gsm : { measurementQuantity gsm_CarrierRSS; filterCoefficient 0; bc_VerificationRequired notRequired; } InterRATReportingQuantity ultra_s_ExtensionQuality FALSE; raSpecificInfo gsm : { dummy FALSE; pathloss FALSE; observedTimeDifferenceOEM FALSE; gsm_Carrier_RSS TRUE; } reportCriteria periodicReportingCriteria : { periodicReportingCriteria { reportingInterval infinity; reportingInterval r11; } }; reportingCellStatus withinActSetOrVirtualActSet_InterRATCells : e6 </pre>

After:

ts_TextBody				
0		(ts_TextBody = TRUE)		
1	T00	-ts_CalculateActTime (ts_CellA)		
2		-tl_FlyOnReport_CompressedModeDeadline		Step 2 and 3 in progress SS sends physical Channel and on message and waits for
3		-ts_CalculateActTime (ts_CellA)		
4		(ts_TOPSRFCN = ts_TOCPN)		
5		(ts_IntrRAT_DL_CompandedModeReq- est) AND (ts_IntrRAT_UL_CompandedModeR- equest)		
6		-AMTRLC_AM_DATA_REQ	ts_MeasurementControl (ts_CellA cellA, ts_REQ, ts_MeasurementControlIntrRATMeas- DCH (ts_CellAInfo.R_UsageByCheck- to, ts_RRC_T), TS, ts_TOPSRFCN, ts_TOCPN)	Step 4 in progress
7		START_L_UpperBound(4400)		Report interval = 400ms Tolerance = 400 ms (10%) Upper Timer = 400ms Fast MeasReq only Upper Ti- mery is required
8		CPHY1_CPHY_RL_Meas_REQ	ts_CompandedModeStatusREQ (ts_CellA, ts_DL_DPCCH, ts_ActTime, c_DPCCH_CompandedModeStatusA (ts_TopSRFCN, 1, ts_TOCPN))	
9		CPHY1_CPHY_RL_Meas_CNF	ts_CompandedModeInfoCNF (ts_CellA, ts_DL_DPCCH)	
10		CPHY1_CPHY_RL_Meas_REQ	ts_CompandedModeStatusREQ (ts_CellA, ts_DL_DPCCH, ts_ActTime, c_DPCCH_CompandedModeStatusB (ts_TopSRFCN, 2))	
11		CPHY1_CPHY_RL_Meas_CNF	ts_CompandedModeInfoCNF (ts_CellA, ts_DL_DPCCH)	
12	T0F1	1 TIMEOUT_L_UpperBound		(F)
12	T0F1	AMTRLC_AM_DATA_REQ	ts_MeasurementReport (ts_CellA cellA, ts_REQ, ts_MeasReportIntrRATMeas (TS, OMT, ts_VerifiedSSC - 1, ts_VerifiedSSC - 7, OMT))	Step 5 in progress
		CANCEL_L_UpperBound		
13		START_L_LowerBound(3600), START_L_U- pperBound(4400)		Report interval = 400ms Tolerance = 400 ms (10%) Upper Timer = 4400ms Lower Timer = 3600ms
14	T0F2	1 TIMEOUT_L_LowerBound		(F)
15	T0F2	1 TIMEOUT_L_UpperBound		(F)
15	T0F2	AMTRLC_AM_DATA_REQ	ts_MeasurementReport (ts_CellA cellA, ts_REQ, ts_MeasReportIntrRATMeas (TS, OMT, ts_VerifiedSSC - 1, ts_VerifiedSSC - 7, OMT))	Step 6 in progress
		CANCEL_L_UpperBound		
16		-ts_StopReq		Step 7 to 8 second Measurement Procedure
17		-ts_CellCheckDCH (ts_CellA)		Step 10 in progress
18	T0C	(ts_TextBody = FALSE)		
14	T0F2	AMTRLC_AM_DATA_REQ	ts_MeasurementReport (ts_CellA cellA, ts_REQ, ts_MeasReportIntrRATMeas ("", " ", " ", ""))	Step 6 in progress - FAL-true ts_MeasReport before Lower timer
5		[TRUE]		
6		AMTRLC_AM_DATA_REQ	ts_MeasurementControl (ts_CellA cellA, ts_REQ, ts_MeasurementControlIntrRATMeas- DCH (ts_CellAInfo.R_UsageByCheck- to, ts_RRC_T), TS, ts_TOPSRFCN, ts_TOCPN)	Step 4 in progress

7		START_L_UpperBound(4400)			Report interval = 4000ms Tolerance= 400 ms (10%) Upper Timer = 4400ms First MeasRep only Upper T timer is required	
8	TBP1	1 TIMEOUT_L_UpperBound AM TRLC_AM_DATA_RD		cat_MeasurementReport (tc_CellDesc id(), tc_RS2, ct_MeasRepInfoRatMeas (15, OMT, verRelBQIC : tc_GSM_InterRAT_CatA, verRelBQIC : tc_GSM_InterRAT_CatB OMT))	(F)	Step 6 in prose
9		CANCEL_L_UpperBound				
10		START_L_LowerBound(3000), START_L_Upp erBound(1400)			Report interval = 4000ms Tolerance= 400 ms (10%) Upper Timer = 4400ms LowerTimer = 3000ms	
10	TBP2	1 TIMEOUT_L_LowerBound			(F)	
11	TBP2	1 TIMEOUT_L_UpperBound			(F)	
11	TBP3	AM TRLC_AM_DATA_RD		cat_MeasurementReport (tc_CellDesc id(), tc_RS2, ct_MeasRepInfoRatMeas (15, OMT, verRelBQIC : tc_GSM_InterRAT_CatA, verRelBQIC : tc_GSM_InterRAT_CatB OMT))	(F)	Step 6 in prose
12		*R_Step7to9				Step 7 to 9 second Measurement Procedure
13		*tc_CellDescDCH (tc_CellA)				Step 10 in prose
14	TBP	(tc_TestBody = FALSE)			(F)	
10	TBP2	AM TRLC_AM_DATA_RD		cat_MeasurementReport (tc_CellDesc id(), tc_RS2, ct_MeasRepInfoRatMeas (*, *, *, *, *))	(F)	Step 6 in prose - Fail, second MeasReport before Lower timer
R_Step7to9						
0		*tc_CellDescActive (tc_CellA)				
1		tc_TopSRVCC = tc_TopSRVCC				
2		(tc_InterRAT_DL_CompresedModeRequire d) AND (tc_InterRAT_DL_CompresedModeRe quired)				
3		AM TRLC_AM_DATA_REQ		cat_MeasurementControl (tc_CellDesc id(), tc_RS2, tc_MeasurementControlModifyInfoRATM eas_DCH (tc_CellDescId & IntegrityCh ange, tc_ARC_T1, 15, tc_TopSRVCC, tc_TopSRVCC))		Step 7 in prose
4		START_L_UpperBound(3200)			Report interval = 1200ms Tolerance= 1200 ms (10%) Upper Timer = 1320ms First MeasRep only Upper T timer is required	
5		CPHY1 CPHY_RL_Mode_REQ		tc_CompresedModeStatusInfo_REQ (tc_CellA, tc_DL_DPCH1, tc_Active, tc_DPCH_CompresedModeStatusInfo andVerbs_TopSRVCC (1))		
6		CPHY1 CPHY_RL_Mode_CNF		tc_CompresedModeInfo_CNF (tc_CellA, tc_DL_DPCH1)		
7		CPHY1 CPHY_RL_Mode_REQ		tc_CompresedModeStatusInfo_REQ (tc_CellA, tc_DL_DPCH1, tc_Active, tc_DPCH_CompresedModeStatusInfo andVerbs_TopSRVCC (2, tc_TopSRVCC))		
8		CPHY1 CPHY_RL_Mode_CNF		tc_CompresedModeInfo_CNF (tc_CellA, tc_DL_DPCH1)		
9	TBP1	1 TIMEOUT_L_UpperBound			(F)	
9	TBP3	AM TRLC_AM_DATA_RD		cat_MeasurementReport (tc_CellDesc id(), tc_RS2, ct_MeasRepInfoRatMeas (15, OMT, verRelBQIC : tc_GSM_InterRAT_CatA, verRelBQIC : tc_GSM_InterRAT_CatB, OMT))	(F)	Step 8 in prose
		CANCEL_L_UpperBound				

10		START_LowerBound (1000), START_LUpperBound(1200)			Report interval=1200ms Tolerance= 1200 ms (10%) Upper Timer=1200ms Lower Timer = 1000ms	
11	TBF4	↑TIMEOUT_LowerBound		(F)		
12	TBF4	↑TIMEOUT_UpperBound		(F)		
12	TBF4	AM TRLC_AM_DATA_IND	cancel_UpperBound	cat_MeasurementReport (tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas (15, OMT, verifiedBSC - tc_OSM_interRAT_CellA, verifiedBSC - tc_OSM_interRAT_CellB, OMT))	(F)	Step 0 in prose
11	TBF4	AM TRLC_AM_DATA_IND		cat_MeasurementReport (tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas ("*", "*", "*", "*"))	(F)	Step 0 in prose - FAIL, incase a MeasReport before Lower state
8	TBF3	AM TRLC_AM_DATA_IND	cancel_UpperBound	cat_MeasurementReport (tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas_mod(15, OMT, verifiedBSC - tc_OSM_interRAT_CellA, OMT))	(F)	Step 0 in prose
10		START_LowerBound (1000), START_LUpperBound(1200)			Report interval=1200ms Tolerance= 1200 ms (10%) Upper Timer=1200ms Lower Timer = 1000ms	
11	TBF4	↑TIMEOUT_LowerBound		(F)		
12	TBF4	↑TIMEOUT_UpperBound		(F)		
12	TBF4	AM TRLC_AM_DATA_IND	cancel_UpperBound	cat_MeasurementReport (tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas (15, OMT, verifiedBSC - tc_OSM_interRAT_CellA, verifiedBSC - tc_OSM_interRAT_CellB, OMT))	(F)	Step 0 in prose
11	TBF4	AM TRLC_AM_DATA_IND		cat_MeasurementReport (tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas ("*", "*", "*", "*"))	(F)	Step 0 in prose - FAIL, incase a MeasReport before Lower state
2		[TRUE]				
3		AM TRLC_AM_DATA_REQ		cat_MeasurementControl (tc_CellDesc: sId, tc_RRQ, cr_MeasurementControlModInterRatMeas_DCH_NoCpMode, tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas (15, OMT, verifiedBSC - tc_OSM_interRAT_CellA, verifiedBSC - tc_OSM_interRAT_CellB, OMT))	(F)	Step 7 in prose
4		START_UpperBound(1200)			Report interval=1200ms Tolerance= 1200 ms (10%) Upper Timer=1200ms First MeasRep only Upper Timer is required	
5	TBF3	↑TIMEOUT_UpperBound		(F)		
5	TBF3	AM TRLC_AM_DATA_IND	cancel_UpperBound	cat_MeasurementReport (tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas (15, OMT, verifiedBSC - tc_OSM_interRAT_CellA, verifiedBSC - tc_OSM_interRAT_CellB, OMT))	(F)	Step 8 in prose
6		START_LowerBound (1000), START_LUpperBound(1200)			Report interval=1200ms Tolerance= 1200 ms (10%) Upper Timer=1200ms Lower Timer = 1000ms	
7	TBF4	↑TIMEOUT_LowerBound		(F)		
8	TBF4	↑TIMEOUT_UpperBound		(F)		
8	TBF4	AM TRLC_AM_DATA_IND	cancel_UpperBound	cat_MeasurementReport (tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas (15, OMT, verifiedBSC - tc_OSM_interRAT_CellA, verifiedBSC - tc_OSM_interRAT_CellB, OMT))	(F)	Step 9 in prose
7	TBF4	AM TRLC_AM_DATA_IND		cat_MeasurementReport (tc_CellDesc: sId, tc_RRQ, cr_MeasReportInterRatMeas ("*", "*", "*", "*"))	(F)	Step 9 in prose - FAIL, incase a MeasReport before Lower state

ASN.1 PDU Constraint Declaration	
Constraint Name:	cs_MeasurementControlInterRATMeas_DCH { p_IntegrityInfo IntegrityCheckInfo, p_RRC_TI RRC_TransactionIdentifier, p_MeasId NewtoRAT Identifier, p_Type_RatConf_Op TOPS_Reconfiguration_OpN, p_Type_TOCFN }
Group:	
PDU Name:	DL_DCCH_Message
Derivation Path:	
Encoding Rule Name:	PER_1_Maligned
Encoding Variation:	
Comments:	@@DC_HAPP Measurement Control Command to start Inter RAT measurement, UE is in CellA and CellB has to be measured.
Constraint Value	
	<pre> integrityCheckInfo p_integrityInfo; message measurementControl : r2 { measurementControl_r2 { rrc_TransactionIdentifier p_RRC_TI; measurementIdInfo p_measId_NewtoRAT; measurementControlSetup interRATMeasurement { interRATCellsList { removeInterRATCellList removeInterRATCells : NULL; newInterRATCellList { interRATCellID to : GSM_InterRAT_CellA; technologySpecificInfo gsm : { cellSelectionRejectionInfo OMT; interRATCellIndividualOffset to : interRATCellIndividualOffset; bsc : { bcc 1; bcc 2; }; frequency_band dcs1800Band; bsc_ARFCN 1; dummy OMT; }; }; interRATCellID to : GSM_InterRAT_CellB; technologySpecificInfo gsm : { cellSelectionRejectionInfo OMT; interRATCellIndividualOffset to : interRATCellIndividualOffset; bsc : { bcc 1; bcc 4; }; frequency_band dcs1800Band; bsc_ARFCN 7; dummy OMT; }; }; cellsForInterRATMeasList OMT; }; interRATMeasQuantity { r2SpecificInfo gsm : { measurementQuantity gsm_CarrierRSSI; RSRP_Coefficient R1; bsc_VerificationRequired notRequired; }; }; interRATReportingQuantity { ultra_EstimatedQuality FALSE; r2SpecificInfo gsm : { dummy FALSE; pathloss FALSE; observationTimeOffsetToOsm FALSE; gsm_Carrier_RSSI TRUE; }; }; reportCriteria periodicalReportingCriteria : { periodicalReportingCriteria { reportingAmount ra : infinity; reportingInterval r1; }; reportingCellStatus withinAutGetOrVirtualActGet_interRATCells : e6; }; }; }; </pre>

The following MeasurementControlMessage constraints are added for UE not required Compressed Mode Gap Pattern.

ASN.1 PDU Constraint Declaration

Constraint Name:	cs_MeasurementControlInterRATMeas_DCH_NoCrashMode (
Group:	
PDU Name:	DL_DCH_Message
Derivation Path:	
Encoding Rule Name:	PSR_Unaligned
Encoding Values:	
Comments:	@@DC_NAPP Measurement Control Constraint to start Inter RAT measurement UE is in CELL and CELL has to be measured

Constraint Value

```

integrityCheckInfo p_integrityCheckInfo;
message measurementControl : r3 {
  measurementControl_r3 {
    rr_TransactionIdentifier p_rrc_Tl;
    measurementIdentity p_measId_NewInterRAT;
    measurementCommand setup-InterRATMeasurement;
  }
  interRATCellInfoList
  {
    removeInterRATCellList removeInterRATCells : NULL;
    newInterRATCellList
    {
      interRATCellId for_GSM_InterRAT_CellA;
      technologySpecificInfo gsm
      {
        cellBroadcastReceptionInfo OMT;
        interRATCellIndividualOffset for_InterRATCellIndividualOffset;
        bsc
        {
          bsc 1;
          bsc 5;
        }
        frequency_band dcs1800BandUsed;
        both_ARFCN 1;
        dummy OMT
      }
    }
    interRATCellId for_GSM_InterRAT_CellB;
    technologySpecificInfo gsm :
    {
      cellBroadcastReceptionInfo OMT;
      interRATCellIndividualOffset for_InterRATCellIndividualOffset;
      bsc
      {
        bsc 1;
        bsc 4;
      }
      frequency_band dcs1800BandUsed;
      both_ARFCN 7;
      dummy OMT
    }
  }
  cellForInterRATMeasList OMT
  {
    interRATMeasQuantity
    {
      ratSpecificInfo gsm :
      {
        measurementQuantity gsm_CarrierRSSI;
        filterCoefficient 0;
        bsc_VerificationRequired notRequired
      }
    }
    interRATReportingQuantity
    {
      urban_EstimatedQuality FALSE;
      ratSpecificInfo gsm :
      {
        dummy FALSE;
        pathloss FALSE;
        observedTimeDifferenceGSM FALSE;
        gsm_Carrier_RSSI TRUE
      }
    }
  }
  reportCriteria periodicalReportingCriteria :
  {
    periodicalReportingCriteria {
      reportingAmount no_infinity;
      reportingInterval rs4
    }
  }
  reportingCellStatus withinActSetOrViaActSet_InterRATCells : not
  {
  }
  measurementReportingMode
  {
    measurementReportTransferMode acknowledgedModeRLC;
    periodicalEventTrigger periodical
  }
  additionalMeasurementList OMT;
  dch_CompressedModeStatusInfo OMT
  {
  }
  v39OnceCriticalExtensions OMT
  {
  }
}

```


Before:

Element Name	Element Value	Type Encoding	Comments
SCCH_Freq	000000111B		SCCH-SCCH carrier frequency (MFC CH) for all flows hopping Setting cell 7
TCH_Freq	c_TCH_Freq02M900_CellB		frequency parameters for traffic channel no T-ARFCN = 12, as default value not given, the v assumed as SCCH_Freq*5
SDCCH_Freq	c_SDCCH_Freq02M900_CellB		frequency parameters for stand alone dedicated channel, no hopping ARFCN = 17, as default given, the value is assumed as SCCH_Freq*5
powerOffLevel	63		Downlink transmission power limit = 63 dB
cellIdentity	00020		cell identity = 00020
ncr	0014		mobile country code = 001 (decimal) @loc: T1
nrnc	0114		mobile network code = 01 (decimal) @loc: T1
lac	00010		location area code = 00010
lcc	0010		PLMN colour code = 0010
ccr	1010		CG colour code = 1010

ASN.1 PDU Constraint Declaration

Constraint Name	c1_MeasurementControlInterRAT_Mess_DCH_I p_integrityInfo : integrityCheckInfo, p_rrc_T1_RRC_TransactionIdentifier, p_message_MessageRAT : INTEGER, p_TxPrs_Reconf_Cfn : TOPS_ReconfQualifier_CFN, p_TxPrs : TOPFN I
Group	
PDU Name	DL_DCH_Message
Derivation Path	
Encoding Rule Name	PER_Unsigned
Encoding Variant	
Comments	@@DC_NAPP Measurement Control Command to start inter RAT measurement, UE is in CellA and CellB has to be measured

Constraint Value

```

integrityCheckInfo : integrityCheckInfo,
message : measurementControl : I1
measurementControl : I1
rrc_TransactionIdentifier : p_rrc_T1,
measurementIdentifier : p_message_MessageRAT,
measurementCommand : setup : interRATMeasurement
interRATCellList
interRATCellID : c1_GSM_InterRAT_CellA,
technologySpecificInfo : gsm
cellSelectionProcedureInfo : OMT,
interRATCellIndividualOffset : interRATCellIndividualOffset,
bit
|
| ncr 0,
| bcr 1
|
| frequency_band : c1800BandUsed,
| bcr_ARFCN 1,
| dummy OMT
|
|
|
| interRATCellID : c1_GSM_InterRAT_CellB,
| technologySpecificInfo : gsm
|
| cellSelectionProcedureInfo : OMT,
| interRATCellIndividualOffset : interRATCellIndividualOffset,
| bit
|
| ncr 0,
| bcr 2
|
| frequency_band : c1800BandUsed,
| bcr_ARFCN 7,
| dummy OMT
|
|
|
| cellControlRATMessList : OMT
|

```

After:

Structured Type Constant Declaration				
Constant Name:	c_G_CellConfigInfoGSMRAT_Cell			
Group:				
Type Name:	G_CellConfigInfo			
Derivation Path:				
Encoding Variable:				
Comments:	default configuration parameters for GSM-RAT, values are taken from 3GPP TS 34.121 Table 5			
Element Name	Element Value	Type Encoding	Comments	
bCCH_Freq	1068300111B		BCCH/CCCH center frequency (MFCN) for cell. Non-hopping Setting cell 7	
ICH_Freq	c_TCH_FreqGSMRAT_Cell		frequency parameters for traffic channel, no ARFCN = 12, as default value not given, the assumed as bCCH_Freq+5	
sDCCCH_Freq	c_SDCCH_FreqGSMRAT_Cell		frequency parameters for stand alone (std) channel, no hopping ARFCN = 17, as default not given, the value is assumed as bCCH_Freq+5	
downlinkPowerLevel	62		Downlink transmission power level = 62 dB	
cellIdentity	00020		cell identity = 93020	
msc	0014		mobile country code = 001 (decimal)	
msn	0114		mobile network code = 01 (decimal) @str 1 99@	
lac	00010		location area code = 00010	
rac	001B		PLMN colour code = 001B	
bcsc	100B		BS colour code = 101B	

ASN.1 PDN Constant Declaration	
Constant Name:	c_MeasurementControlInterRATMeas_DCH p_integrityInfo : IntegrityCheckInfo, p_RRC_TL : RRC_TransactionIdentifier, p_measurementNewInterRAT : INTEGER, p_Tpms_Recsel_OH : TPMS_RecselParameter_CPN, p_Tpms : TPMS >
Group:	
PDN Name:	DL_DCH_Message
Derivation Path:	
Encoding Rule Name:	PER_Unaligned
Encoding Variable:	
Comments:	gprs_NAPP Measurement Control Command to start inter-RAT measurement, UE is in CellA and CellB has to be measured
Constant Value	
<pre> integrityCheckInfo p_integrityInfo message measurementControl : (1) measurementControl_1 rrc_TransactionIdentifier p_RRC_TL measurementControl_p_measurementNewInterRAT measurementControl_setup : interRATMeasurement { interRATCellsList { removeInterRATCellsList removeInterRATCells : NULL newInterRATCellsList { interRATCellID for_GSM_InterRAT_CellA technologySpecificInfo gsm { cellSelectionReselectionInfo OMT interRATCellIndividualOffset for_interRATCellIndividualOffset bsc { msc 5 bsc 5 } frequency_band dc1880BandUsed bch_ARFCN 1 dummy OMT } } } interRATCellID for_GSM_InterRAT_CellB technologySpecificInfo gsm { cellSelectionReselectionInfo OMT interRATCellIndividualOffset for_interRATCellIndividualOffset bsc { msc 1 bsc 4 } frequency_band dc1800BandUsed bch_ARFCN 7 dummy OMT } } } cellsForInterRATMeasList OMT } </pre>	

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_ULCompressModelInfo the IEs positionFixedOrFlexible is set to "fixed" and tfci_Existence is set to "FALSE".
Source of change	New change

Before:

Constraint Name:	c_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo (p_of_SF512_AnsPilot)
Group:	
Type Name:	DL_CommonInformation
Derivation Path:	
Encoding Variation:	
Comments:	qpsc_napp
Constraint value	
<pre> @_DPCH_InfoCommon infoHandling maintain NULL, modeSpecificInfo Mod @_DPCH_PowerControlInfo modeSpecificInfo Mod qpc_Mode singleTPC } } powerOffsetPilot_addon for_DPCH_PowerOffsetPilot, dl_rate_matching_restriction OMT, spreadingFactorAnsPilot p_of, positionFixedOrFlexible fixed, tfci_Existence TRUE </pre>	

After:

Constraint Name:	c_DL_CommonInformationRB_SetUp_DL_ULCompressModelInfo (p_of_SF512_AnsPilot)
Group:	
Type Name:	DL_CommonInformation
Derivation Path:	
Encoding Variation:	
Comments:	qpsc_napp
Constraint value	
<pre> @_DPCH_InfoCommon infoHandling maintain NULL, modeSpecificInfo Mod @_DPCH_PowerControlInfo modeSpecificInfo Mod qpc_Mode singleTPC } } powerOffsetPilot_addon for_DPCH_PowerOffsetPilot, dl_rate_matching_restriction OMT, spreadingFactorAnsPilot p_of, positionFixedOrFlexible fixed, tfci_Existence FALSE </pre>	

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	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:

ASN.1 Type Constraint Declaration	
Constraint Name:	C_DCH_148_TFR_DL
Group:	
Type Name:	CommonOfDedicatedTFR
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for signaling bearer on dedicated channel
Constraint Value	
<pre> @B40 {} @_Size 148, numberOfToSizeList(zero : NULL, one : NULL), logicalChannelList @B50s : NULL, }, separateTF_information { channelCodingType convolutional_3rd, rateMatchingMode 170, cc_Size cc16 } </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	C_DCH_148_TFR_DL_UL
Group:	
Type Name:	DedicatedTransCMTs
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for signaling bearer on dedicated channel used in message sent to UE
Constraint Value	
<pre> @B42 {} @_Size @Mode : sizeType2 (part 2, part CMT), numberOfToSizeList(zero : NULL, one : NULL), logicalChannelList @B50s : NULL, }, separateTF_information { channelCodingType convolutional_3rd, rateMatchingMode 170, cc_Size cc16 } </pre>	

ASN.1 Type Constraint Declaration	
Constraint Name:	C_DCH_148_TFR_DL
Group:	
Type Name:	CommonOfDedicatedTFR
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for signaling bearer on dedicated channel
Constraint Value	
<pre> @B40 {} @_Size 148, numberOfToSizeList(zero : NULL, one : NULL), logicalChannelList @B50s : NULL, }, separateTF_information { channelCodingType convolutional_3rd, rateMatchingMode 170, cc_Size cc16 } </pre>	

After:

ASN.1 Type Constraint Declaration	
Constraint Name:	C_DCH_148_TFR_DL
Group:	
Type Name:	CommonOfDedicatedTFR
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for signaling bearer on dedicated channel
Constraint Value	
<pre> @B40 {} @_Size 148, numberOfToSizeList(zero : NULL, one : NULL), logicalChannelList @B50s : NULL, }, separateTF_information { channelCodingType convolutional_3rd, rateMatchingMode 160, cc_Size cc16 } </pre>	

ASN.1 Type Constraint Declaration

Constraint Name: **C_DCH_146_TFR_UL_UL**
 Group:
 Type Name: DedicatedTFRsCHTFR
 Derivation Path:
 Encoding Variation:
 Comments: Transport format set for signaling bearer on dedicated channel used in message sent to UE

Constraint Value

```

|
| BIT STRING {
|   rc_Bits (16Max),
|   numberOFToDSList (one - NULL, one - NULL),
|   logicalChannelList (16Max - NULL)
| }
|
| SEQUENCE OF {
|   channelCodingType (conventional, turbo,
|   turboWithRate 1/3),
|   CR (DS-SS)
| }
|
|

```

ASN.1 Type Constraint Declaration

Constraint Name: **C_DCH_146_TFR_UL**
 Group:
 Type Name: CommonDedicatedTFR
 Derivation Path:
 Encoding Variation:
 Comments: Transport format set for signaling bearer on dedicated channel

Constraint Value

```

|
| BIT STRING {
|   rc_Bits (146),
|   numberOFToDSList (one - NULL, one - NULL),
|   logicalChannelList (16Max - NULL)
| }
|
| SEQUENCE OF {
|   channelCodingType (conventional, turbo,
|   turboWithRate 1/3),
|   CR (DS-SS)
| }
|
|

```

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.

CR-Form-v7
CHANGE REQUEST
⌘ TS 34.123-3 CR 261 ⌘ rev - ⌘ Current version: 3.5.1 ⌘

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

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

Title:	⌘ Revised CR for addition of GCF P2 test case 12.4.2.2 to NAS ATS V3.5.1		
Source:	⌘ Rohde & Schwarz		
Work item code:	⌘ N/A	Date:	⌘ 29/04/2004
Category:	⌘ B	Release:	⌘ R99
	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 TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ To add verified GCF package 2 NAS test case 12.4.2.2 to the approved NAS ATS V3.5.1
Summary of change:	⌘ This document lists all changes applied to test case 12.4.2.2 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘ Test case will not be added to ATS

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

How to create CRs using this form:

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

Title: Changes to test case 12.4.2.2 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.

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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 initialises '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.

Source of change New change

Label WA#NAS4447

It_TestBody			
0	(tcv_TestBody := TRUE)		@sic VB no verdict needed sic@
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 RLC_AM_DATA_REQ	cas_RRC_SignallingConnRel (tsc_CellID edicated, tsc_RB2, cs_RRC_SignallingConnRel (tcv_CellInfo.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	+It_PagingType2		WA#NAS4447
8	+It_ServiceRequest		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_PagingType2			
0	[pc_Interactive AND (px_RRC_PS_ServTested = ps_Inter active)]		WA#NAS4447
1	AM I 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. WA#NAS4447
0	[pc_Background AND (px_RRC_PS_ServTested = ps_Ba ckground)]		WA#NAS4447
1	AM I RLC_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

TS 34.123-3 CR 262 # rev - # Current version: **3.5.1**

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

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

Title:	# Addition of RRC test case 8.3.2.11 to RRC ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 29/04/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RRC test case 8.3.2.11 to the approved RRC ATS V3.5.1
Summary of change:	# This document lists all changes applied to test case 8.3.2.11 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

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

Title: Changes to test case 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.

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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	
# TS 34.123-3 CR 263 # rev - #	Current version: 3.5.1 #

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

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

Title:	# Addition of RRC test case 8.4.1.30 to RRC ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 28/04/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RRC test case 8.4.1.30 to the approved RRC ATS V3.5.1
Summary of change:	# This document lists all changes applied to test case 8.4.1.30 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

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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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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 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 Increased the Data to size 4160

Source of change New Change

Label WA#RRC4370

7	+ts_ToStateMT_PS_6_100r6_11_ActivateRB_TestMode (tsc_CellA)		
8	AM1 RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, cbs_TransportFormatCombCtrl (tcv_CellIndInfo.d_IntegrityCheckInfo, tcv_RRC_TI, c_TFC_Allowed_0_1_5_6))	WA#RRC4369
9	+ts_TC_CloseUE_TestLoop(tsc_CellDedicated, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup (4160, tsc_RB20))		WA#RRC4370
10	(tcv_RB_Data1 := o_GetMostSignificantBits (px_RB_InteractiveOrBackground, 4160))		WA#RRC370
11	+ts_SS_TFC_Restriction (tsc_CellDedicated, c_TFC_Allowed_0_1_5_6, c_TFC_Allowed_0_1_to_8)		WA#RRC4369
12	+lt_TestBody		
13	+pc_ConnectionAndSS_Rels		Postamble : To release the RRC connection and all the SS configuration
14	ERR1 [px_RAT = tdd]		TDD specific behaviour
15	ERR2 [TRUE]		

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
 c_TrafficVolumeReportingCriteriaEvent4ab (OMIT, e4a, th256, ttt100, ptat2, OMIT, e4b, th32, ttt100, ptat2, OMIT), eventTrigger))
 to
 c_TrafficVolumeReportingCriteriaEvent4a4b (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 Processing and TTCN implementation).

Summary of change Increased the tolerance timer to 900ms

Source of change New Change

Label WA#RRC4376

It_TestBody			
16	TBS	(tcv_TestBody = TRUE)	
17		+It_startLoopback_data	WA#RRC4375
18		AM I RLC_AM_DataReq	Step 2 in prose WA#RRC4324
			cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_T1, 15, (dch : 1), ric_BufferPayload : NULL, TRUE, FALSE, FALSE, (ue_State=cell_DCH), trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteriaEvent4a4b (OMI T_e4a, th256, #t100, plst2 , OMIT), eventT rigger))
19		AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))
20		(tcv_Tolerance = 900)	WA#RRC4376
		+startLoopback_data	
42		AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))
43		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
44		AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))
45		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
46		AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, 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 measurment 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! WaitMS (100 + tv_Tolerance)		
22		+t_CheckFirstMeasReport		Step4 WA#RRC4377
23		+t_CheckMeasReport(2100)		Step5
CheckFirstMeasReport				
47		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, e_TrD_Data (tv_RB_Data1))	
48	Loop1	AM ! RLC_AM_TestDataReq	car_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, e_TrD_Data (tv_RB_Data1))	
49		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, e_TrD_Data (tv_RB_Data1))	WA#RRC4327
50		->Loop1		
51		AM ? RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P) Step 4 in prose
52		CANCEL! WaitMS		
53		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, e_TrD_Data (tv_RB_Data1))	(P)
54		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, e_TrD_Data (tv_RB_Data1))	
55		? TIMEOUT! WaitMS		(F)
56		AM ? RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)
57		CANCEL! WaitMS		
58		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, e_TrD_Data (tv_RB_Data1))	
59		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, e_TrD_Data (tv_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 Included + ts_TC_DeactivateRB_TestMode (tsc_CellA)

Source of change New Change

Label WA#RRC4328

37		CANCEL! WaitMS		
38		+ ts_TC_OpenIE_TestLoop (tsc_CellA)		
39		+ ts_TC_DeactivateRB_TestMode (tsc_CellA)		WA#RRC4328
40		+ts_C3_CheckCellDCH (tsc_CellA)		Step 8
41	TBE	(tv_TestBody => FALSE)		(F)

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_CellDedicated.

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 continuously and to receive measurement report.

Source of change New Change

Label WA#RRC4326

CheckMeasReport(pTimer : INTEGER)			
60		START t_WaitMS (pTimer + tcv_Tolerance)	
61	Loop2	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
62		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
63		->Loop2	
64		AM ? RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (dch : 1, e4a)))
65		CANCEL t_WaitMS	
66		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
67		? TIMEOUT t_WaitMS	(F)

Detailed Comment:

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 Id:		ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (p_CellId : INTEGER)		
Test Step Group Ref:		RRC_Steps/		
Objective:				
Defaults:		RRC_Def1		
Comments:		@SIC_NAPP_WA#RRC4323		
...	La...	Behaviour Description	Constraint Ref	Comments
1		+ ts_RRC_ConnEstPS_MT_P5_P6 (p_CellId)		
2		+ ts_GMM_Authentication (p_CellId)		
3		+ ts_RRC_Security (p_CellId, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)		
4		+ ts_TC_ActivateRB_TestMode (p_CellId)		
5		+ ts_RRC_SetUpRAB (p_CellId, tcv_RAB_Id, tcv_RRC_RAB_Type)		

4.12 c_TFC_Allowed_0_1_5_6 (WA#RRC4367)

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
Label WA#RRC4367

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	
Constraint Name:	c_TFC_Allowed_0_1_to_9
Group:	
Type Name:	TFC_Subset
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP: WA#RRC4368
Constraint Value	
allowedTFC_List: { 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 }	

4.14 cas_TranportFormatCombCtrlIAM (WA#RRC4365)

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

ASN.1 ASP Constraint Declaration	
Constraint Name:	cas_TransportFormatCombCtrlAM (p_CellId: INTEGER; p_RB_Id: INTEGER; p_Pdu: DL_DCCH_Message)
Group:	
ASP Name:	RLC_AM_DATA_REQ
Derivation Path:	
Comments:	WA#RRC4365
Constraint Value	
<pre>{ cellId p_CellId, routingInfo rB_Identity: p_RB_Id, confirmationRequest noConfirmationRequest: NULL, aM_message dL_DCCH_Message : p_Pdu }</pre>	

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)
Group:	
PDU Name:	DL_DCCH_Message
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	Transport Format Combination Control message used to restrict the UL TFCIs WA#RRC4366
Constraint Value	
<pre>{ integrityCheckInfo p_IntegrityCheckInfo , message transportFormatCombinationControl : { rrc_TransactionIdentifier p_RRC_Ti, modeSpecificInfo fdd : NULL, dpcch_TFCS_InUplink p_TFC, tfc_ControlDuration OMIT, laterNonCriticalExtensions OMIT } }</pre>	

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

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 264 # rev - # Current version: **3.5.1**

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

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

Title:	# Addition of RRC test case 8.4.1.29 to RRC ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 28/04/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RRC test case 8.4.1.29 to the approved RRC ATS V3.5.1
Summary of change:	# This document lists all changes applied to test case 8.4.1.29 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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 Increased 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 behaviour
3		+ts_RRC_InitVariablesPS (cell_FACH)			
4		+ts_SS_CreateCellFACH (tsc_CellA)			Configure lower tester
5		+ts_SendDef_sysInfo_MultiCell (tsc_CellA)			Sends the default system information in CellA
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Fach state and release the connection again
7		+ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (tsc_CellA)			WA#RRC4322
8		+ts_TC_CloseUE_TestLoop(tsc_CellDedicated, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup (1440, tsc_RB20))			WA#RRC4371
9		(tcv_RB_Data1 := o_GetMostSignificantBits (px_RB_InteractiveOrBackground , 1440))			WA#RRC4371
10		+It_TestBody			
11		+po_ConnectionAndSS_Rels			Postamble : To release the RRC connection and all the SS configuration
12	ERR1	[px_RAT = tdd]			TDD specific behaviour
13	ERR2	[TRUE]		I	

It_TestBody

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 It_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 name Tc_8_4_1_29: It_TestBody

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 Processing and TTCN implementation).

Summary of change Increased the tolerance timer to 900ms
Source of change New Change
Label WA#RRC4373

It_TestBody				
14	TBS	(tcv_TestBody => TRUE)		
15		+ts_SysInfoModifySIB12_MIB_RRC (tsc_CellA, 2, c_SIB12_TrafficVolume_EventBased (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoG, tcv_CellInfoH), tsc_Now)	Step 1a & 1b	
16		+It_startLoopback_data	WA#RRC4372	
17		AM I RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Tt, 15, c_TrafficVolumeMeasurementObjectList, rlc_BufferPayload : NULL, TRUE, FALSE, FALSE, { ue_State all_But_Cell_DCH }, trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteria (OMIT, e4a, th8, #100, ptat1, b1at0_25), eventTrigger))	Step 2 in prose;
18		(tcv_Tolerance := 900)	WA#RRC4373	
19		START T_WaitMO (100 + tcv_Tolerance)		

+It_startLoopback_data			
31		AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
32		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
33		AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
34		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))
35		AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))

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 measurment 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_WaitMS (100 + tcv_Tolerance)		
20	+It_CheckFirstMeasReport		Step 3 in prose; WA#RRC4374
21	+It_CheckMeasReport (1100)		Step 4 in prose;

+It_CheckFirstMeasReport			
36	AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CelDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))	
37	Loop1 AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CelDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))	WA#RRC4319
38	AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CelDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))	WA#RRC4319
39	->Loop1		
40	AM ? RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.am_message.ul_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList, tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas_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_CelDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rachorpch : NULL, e4a)))	(F) Step 3 in prose; @sic Thomas CR T1-0315 82 sic@
41	+Is_CheckRBsinTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)		@sic Thomas CR T1-0315 82 sic@
42	CANCEL t_WaitMS		
43	AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CelDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))	(F)
44	? TIMEOUT t_WaitMS		(F)
45	AM ? RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.am_message.ul_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList, tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas_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_CelDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rachorpch : NULL, e4a)))	(F)
46	+Is_CheckRBsinTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)		
47	CANCEL t_WaitMS		
48	AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CelDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))	(F)

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 trigger)

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_WaitMS (2200 + tcv_Tolerance)		Initialize the wait timer to 100 mseconds WA#RRC4320
23	AM ? RLC_AM_DATA_IND	car_MeasurementReport (tsc_CelDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rachorpch : 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_TestMode before releasing the RRC Connection (ts_C2_CheckCellFACH)

Summary of change 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_DeactivateRB_TestMode (tsc_CellA)

Source of change New Change

Label WA#RRC4321

24	? TIMEOUT1_WaitMS	(P)	
25	+It_CheckMeasReport(100)		Step 4d in prose;
26	+It_CheckMeasReport(1100)		Step 4e in prose;
27	+ ts_TC_OpenUE_TestLoop (tsc_CellA)		WA#RRC4321
28	+ ts_TC_DeactivateRB_TestMode (tsc_CellA)		WA#RRC4321
29	+ts_C2_CheckCellFACH (tsc_CellA)		
30	TBE (tcv_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 be sent/received continuously.

Summary of change Modified the test step It_CheckMeasReport, to send and receive data continuously and to receive measurement report.

Source of change New Change

Label WA#RRC4318

	CheckMeasReport(pTimer : INTEGER)			
49	START t_WaitMS (pTimer + tcv_Tolerance)			
50	Loop2 AM ? RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		WA#RRC4327
51	AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		WA#RRC4327
52	->Loop2			
53	AM ? RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results => RLC_AM_DATA_IND. aM_message.ul_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasurementResultsList, tcv_RB_SRB_ReceiveList => { tcv_TrafficVolMeas_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_CellDedicated, tsc_RB20, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rachorcpcch : NULL, e4a)))	(P)	Step 4 in prose
54	+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)			
55	CANCEL t_WaitMS			
56	AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(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 Id:	ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (p_CellId : INTEGER)				
Test Step Group Ref:	RRC_Steps/				
Objective:					
Defaults:	RRC_Def1				
Comments:	@SIC_NAPP. WA#RRC4323				
...	La...	Behaviour Description	Constraint Ref	...	Comments
1		+ ts_RRC_ConnEstPS_MT_P5_P6 (p_CellId)			
2		+ ts_GMM_Authentication (p_CellId)			
3		+ ts_RRC_Security (p_CellId, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			
4		+ ts_TC_ActivateRB_TestMode (p_CellId)			
5		+ ts_RRC_SetUpRAB (p_CellId, tcv_RAB_Id, tcv_RRC_RAB_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-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 265 # rev - # Current version: **3.5.1**

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.7a to RAB ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 22/04/2004
Category:	# B	Release:	# R99
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.7a to the approved RAB ATS V3.5.1
Summary of change:	# This document lists all changes applied to test case 14.2.7a required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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

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 Step Id	ts_SendRB_SetUpSpeech_7_4k_AMR (p_CellId INT32, p_RAB_Id BITSTR10, p_ActTime : ActivationTime)			
Test Step Group Ref	RB_BlessRB_Setup			
Objective	To setup a RADIO BEARER for SPEECH 12.2k and to reconfigure the SS accordingly.			
Defaults	RRC_Def1			
Comments				
Nr	L..	Behaviour Description	Constraint Ref	Comments

1	+ ts_SetTmpCellInfo (p_CellId)		
2	AM ? RLC_AM_DATA_REQ	<pre> case_RB_SetUpAM_WAbCell(tsc_CellDedicated, tsc_RB2, tsc_Mul, tsc_RRC_RB_SetUp(tcv_CellInfo, tIntegrityCheckInfo, tcv_RRC_TL, p_ActTime, cell_DCH, OMIT, c_RAB_InfoListTM2_WA (c_ReEstTimerT314, p_RAB_Info, c_UL_CommonTrchInfoTM_7_4k_AMR, c_UL_AddReconfTransChInfoListTM_2 (c_DCH_6T_TFS_UE_6, c_DCH_6T_TFS_UE_5, c_DCH_14B_TFS_UE_UL), c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM2 (c_DCH_6T_TFS_UE_6_DL, c_DCH_6T_TFS_UE_5), c_DL_InformationPerRLDcv_TmpCellInfo, pSicmCode, tsc_Sf128_4, tcv_TmpCellInfo, c_UL_DPCH_2ndScrCode), c_DL_CommonInformationRB_SetUp (tsc_Sf64, pI0_84, tcv_TmpCellInfo, ul_ScramblingCode), OMIT)) </pre>	tcv_Sprdfct + tcv_PuncLimit == values ? same for uplink and downlink ? FreqInfo ? WA#RAB4305
3	AM ? RLC_AM_DATA_CNF	<pre> car_AM_DataMuCnf (tsc_CellDedicated, tsc_RB2, tsc_Mul) </pre>	

4.3 ts_SendRB_SetUpSpeech_7_4k_AMR (WA#RAB4305)

Test step name	ts_SendRB_SetUpSpeech_7_4k_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, pI0_84, tcv_TmpCellInfo.ul_ScramblingCode)" instead of "c_UL_DPCH (pI0_84, tsc_Sf64)"
Source of change	New Change
Label	WA#RAB4305

Test Step				
Test Step Id	ts_SendRB_SetUpSpeech_7_4k_AMR (p_CellId: INTEGER, p_RAB_Info: BITSTRING, p_ActTime: ActivationTime)			
Test Step Group Ref	RB_SlidesRB_Setup			
Objective	To setup a RADIO BEARER for SPEECH 19.2k and to reconfigure the SS accordingly.			
Defaults	RRC_Def1			
Comments				
Nr	L..	Behaviour Description	Constraint Ref	Comments
3		AM ? RLC_AM_DATA_CNF	<pre> , OMIT)) car_AM_DataMuCnf (tsc_CellDedicated, tsc_RB2, tsc_Mul) </pre>	
4		+ ts_3GCH_ModifySpeech7_4k_AMR (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp (tsc_Sf128_4), cb_UL_DPCH_Info (tsc_Sf64, pI0_84, tcv_TmpCellInfo, ul_ScramblingCode))		WA#RAB4305
5		+ ts_RB10_To_RB11_TM_ConfigSpeech (6T, 6T)		
6	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId, cell_DCH_Speed))		

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 constraint "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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_148_TFS_DL_rm192
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for signaling bearer on dedicated channel
	WA#RAB4293
Constraint Value	
<pre> 1 #40 ::= {#_Size 148, numberOfTbSizeList {zero: NULL, one: NULL}, logicalChannelList allSizes: NULL }; IF semiStaticTF_Information { channelCodingType convolutional #3rd, rateMatchingAttribute 192, crl_Size cr16 } } </pre>	

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

ASN.1 ASP Constraint Declaration	
Constraint Name:	ca_3_DCH_7_4k_AMR_DL_Info (p_CellId: INTEGER, p_PhyChId: INTEGER, p_Type: TrChConfigType, p_PowerOffsetInformation: PowerOffsetInformation, p_ActivationTime: ActivationTime)
Group:	
ASP Name:	CPHY_TrCh_Config_REQ
Derivation Path:	
Comments:	For FDD mode only, used in acknowledged mode RLC testing. WA#RAB4306
Constraint Value	
<pre> cellId p_CellId, routingInfo physicalChannelIdentity p_PhyChId, natType nat, trchConfigType s_Type, configMessage (activationTime(activationCFN : s_ActivationTime, sDisconnectedTrchList ({ trchId trc_DL_DCH1, sTransportChannelType dch, transportChannelInfo c_DCH_61_TFS_6_DL }, { trchId trc_DL_DCH2, sTransportChannelType dch, transportChannelInfo c_DCH_67_TFS_6 }, { trchId trc_DL_DCH5, sTransportChannelType dch, transportChannelInfo c_DCH_148_TFS_DL_rm192 })) dTFCs c_TFCs_Comp0_1_8_15_22_29_30_31_38_45_52_59_Tx (p_PowerOffsetInformation) </pre>	
Detailed Comment:	

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	
Constraint Name:	c_TrChInfoDL_7_4k_AMR
Group:	
Type Name:	TrChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4306
Constraint Value	
<pre> sDisconnectedTrchList ({ trchId trc_DL_DCH1, transportChannelInfo c_DCH_61_TFS_6_DL }, { trchId trc_DL_DCH2, transportChannelInfo c_DCH_67_TFS_6 }, { trchId trc_DL_DCH5, transportChannelInfo c_DCH_148_TFS_DL_rm192 }) dTFCs c_TFCs_Comp0_1_8_15_22_29_30_31_38_45_52_59_Tx (c_PowerOffsetInfoBelow64k) </pre>	

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 element of the list. It should be { zero : NULL } not { zero : NULL, one : NULL }.
Summary of change	Corrected "numberOfTbSizeList" IE in the first element of the list.
Source of change	New Change
Label	WA#RAB4107

ASN.1 Type Constraint Declaration	
Constraint Name	c_DCH_61_TFS_6
Group	
Type Name	CommonOrDedicatedTFS
Derivation Path	
Encoding Variants	
Comments	transport format set for RAS subflow#1 on dedicated channel
	WA#RAB4107
Constraint Value	
	<pre> { { #129 { (tb_Size 61, numberOfTbSizeList (zero : NULL), logicalChannelList allSizes : NULL) } { tb_Size 39, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { tb_Size 42, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { tb_Size 55, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { tb_Size 58, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { tb_Size 61, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } } } semantics { CF_Information channelCodingType convolutional third. </pre>

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_61_TFS_UE_6
Group:	
Type Name:	DedicatedTransChTFS
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
WA#RAB4275	
Constraint Value	
<pre> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 </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:	c_DCH_61_TFS_UE_6_DL
Group:	
Type Name:	DedicatedTransCHTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4276
Constraint Value	
<pre> { (rk_Size bitMode : sizeType : 0, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL) (rk_Size bitMode : sizeType : 38, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL) (rk_Size bitMode : sizeType : 42, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL) (rk_Size bitMode : sizeType : 55, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL) (rk_Size bitMode : sizeType : 58, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL) (rk_Size bitMode : sizeType : 61, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL) } </pre>	
semantics: Information	

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:	c_DCH_87_TFS_UE_5
Group:	
Type Name:	DedicatedTransCHTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4280
Constraint Value	
<pre> { { { { rk_Size bitMode : sizeType1 : 87, numberOfTbSizeList (zero : NULL), logicalChannelList allSizes : NULL } } { { rk_Size bitMode : sizeType1 : 51, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } } { { rk_Size bitMode : sizeType1 : 63, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } } { { rk_Size bitMode : sizeType1 : 78, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } } { { rk_Size bitMode : sizeType1 : 87, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } } } semisubchTF_Information { channelCodingType convolutional-third, rateMatchingAttribute 190, crc_Size crc0 } } </pre>	

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 (ctfc 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

ASN.1 Type Constraint Declaration	
Constraint Name	c_TFCS_Cmpl0_1_8_15_22_29_30_31_38_45_52_59_Rx
Group	
Type Name	TFCS
Derivation Path	
Encoding Variation	
Comments	TFCS information with power offset information - for transmitter
	WA#RAB4283
Constraint Value	
normalTFCS_Signaling : complete:	
{	
ctfcSize ctfc6Brt;	
{	
ctfc6 0,	powerOffsetInformation OMIT
}	
{	
ctfc6 1,	powerOffsetInformation OMIT
}	
{	
ctfc6 8,	powerOffsetInformation OMIT
}	
{	
ctfc6 15,	powerOffsetInformation OMIT
}	
{	
ctfc6 22,	powerOffsetInformation OMIT
}	
{	
ctfc6 29,	powerOffsetInformation OMIT
}	
{	
ctfc6 30,	powerOffsetInformation OMIT
}	
{	
ctfc6 31,	powerOffsetInformation OMIT
}	
{	
ctfc6 38,	powerOffsetInformation OMIT
}	
{	
ctfc6 45,	powerOffsetInformation OMIT
}	
{	
ctfc6 52,	powerOffsetInformation OMIT
}	
{	
ctfc6 59,	powerOffsetInformation OMIT
}	
}	
Detailed Comment:	

4.12 c_TFCS_Cmpl0_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 (ctfc 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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_TFCS_Cmpl0_1_8_15_22_29_30_31_38_45_52_59_Tx (a_PowerOffsetInformation : PowerOffsetInformation)
Group:	
Type name:	TFC8
Derivation Path:	
Encoding Variation:	
Comments:	TFC8 information with power offset information - for transmitter
	WA#RAB4284
Constraint Value	
<pre> normalTFC_Signalling: complete { ctfcSize (ctfc8Bit) { ctfc 0, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 1, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 8, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 15, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 22, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 29, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 30, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 31, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 38, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 45, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 52, powerOffsetInformation c_PowerOffsetInfoComputed } { ctfc 59, powerOffsetInformation p_PowerOffsetInformation } } </pre>	
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) should 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

ASN 1 Type Constraint Declaration	
Constraint Name:	e_TrLogMappingDL_3_Speech
Onset:	
Type Name:	TrCH_LogCHMappingList
Derivation Path:	
Encoding Variants:	
Comments:	WA#RAB4289
Constraint Value	
<pre> ulconnectedTrCHList OMIT, disconnectedTrCHList { trchid trc_DL_DCH1, trCH_LogCHMappingList { logicalChannel_Mapping dl_LogicalChannelMapping : macHeaderManipulation normalMacHeader, dl_TransportChannelType dch, logicalChannelIdentity trc_DL_DTCH1, logicalChannelType dTCH, rlc_SizeList configured : NULL, mac_LogicalChannelPriority 8 } rb_Identity trc_RB10 } } trchid trc_DL_DCH2, trCH_LogCHMappingList { logicalChannel_Mapping dl_LogicalChannelMapping : macHeaderManipulation normalMacHeader, dl_TransportChannelType dch, logicalChannelIdentity trc_DL_DTCH2, logicalChannelType dTCH, rlc_SizeList configured : NULL, mac_LogicalChannelPriority 8 } } </pre>	

```

    },
    rB_Identity tsc_RB11
  }
  },
  {
  {
  lchid tsc_DL_DCH5,
  lCH_LogCHMappingList {
  {
  logicalChannel_Mapping dl_LogicalChannelMapping : {
  macHeaderManipulation normalMacHeader,
  dl_TransportChannelType dch,
  logicalChannelIdentity tsc_DL_DCCH1,
  logicalChannelType dCCH,
  rlc_SizeList configured : NULL,
  mac_LogicalChannelPriority 1
  },
  rB_Identity tsc_RB1
  },
  {
  logicalChannel_Mapping dl_LogicalChannelMapping : {
  macHeaderManipulation normalMacHeader,
  dl_TransportChannelType dch,
  logicalChannelIdentity tsc_DL_DCCH2,
  logicalChannelType dCCH,
  rlc_SizeList configured : NULL,
  mac_LogicalChannelPriority 2
  },
  rB_Identity tsc_RB2
  },
  {
  logicalChannel_Mapping dl_LogicalChannelMapping : {
  macHeaderManipulation normalMacHeader,
  dl_TransportChannelType dch,
  logicalChannelIdentity tsc_DL_DCCH3,
  logicalChannelType dCCH,
  rlc_SizeList configured : NULL,
  mac_LogicalChannelPriority 3
  },
  rB_Identity tsc_RB3
  },
  {
  logicalChannel_Mapping dl_LogicalChannelMapping : {
  macHeaderManipulation normalMacHeader,
  dl_TransportChannelType dch,
  logicalChannelIdentity tsc_DL_DCCH4,
  logicalChannelType dCCH,
  rlc_SizeList configured : NULL,
  mac_LogicalChannelPriority 4
  },
  rB_Identity tsc_RB4
  }
  }
  }
  }
}

```

[Detailed Comment](#)

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) should 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

ASN.1 Type Constraint Declaration	
Constraint Name	c_TrLogMappingUL_3_Speech
Group	
Type Name	TrCH_LogCHMappingList
Derivation Path	
Encoding Variation	
Comments	WA#RAB4291
Constraint Value	
<pre> ulconnectedTrCHList() { trchid tsc_UL_DCH1, trch_LogCHMappingList() { logicalChannel_Mapping ul_LogicalChannelMapping : { macHeaderManipulation normalMacHeader, ul_TransportChannelType dch, logicalChannelIdentity tsc_UL_DTCH1, logicalChannelType iTCH } rb_Identity tsc_RB10 } } } trchid tsc_UL_DCH2, trch_LogCHMappingList() { logicalChannel_Mapping ul_LogicalChannelMapping : { macHeaderManipulation normalMacHeader, ul_TransportChannelType dch, logicalChannelIdentity tsc_UL_DTCH2, logicalChannelType iTCH } rb_Identity tsc_RB11 } } </pre>	

```
{
  trchid tsc_UL_DCH5,
  trch_LogCHMappingList {
    {
      logicalChannel_Mapping ul_LogicalChannelMapping : {
        macHeaderManipulation normalMacHeader,
        ul_TransportChannelType dch,
        logicalChannelIdentity tsc_UL_DCCH1,
        logicalChannelType dCCH
      },
      rb_Identity tsc_RB1
    },
    {
      logicalChannel_Mapping ul_LogicalChannelMapping : {
        macHeaderManipulation normalMacHeader,
        ul_TransportChannelType dch,
        logicalChannelIdentity tsc_UL_DCCH2,
        logicalChannelType dCCH
      },
      rb_Identity tsc_RB2
    },
    {
      logicalChannel_Mapping ul_LogicalChannelMapping : {
        macHeaderManipulation normalMacHeader,
        ul_TransportChannelType dch,
        logicalChannelIdentity tsc_UL_DCCH3,
        logicalChannelType dCCH
      },
      rb_Identity tsc_RB3
    },
    {
      logicalChannel_Mapping ul_LogicalChannelMapping : {
        macHeaderManipulation normalMacHeader,
        ul_TransportChannelType dch,
        logicalChannelIdentity tsc_UL_DCCH4,
        logicalChannelType dCCH
      },
      rb_Identity tsc_RB4
    }
  }
}
```

```
}
}
}
}
connectedTrCHList OMT
}
```

[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:	tc_14_2_7a		
Test Group Reference:	CombinationOfDCHConversational_Speech/		
Purpose:	Conversational / speech / UL: (7.4, 6.7, 5.9, 4.75) DL: (7.4, 6.7, 5.9, 4.75) kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCH. To verify radio bearer establishment and correct data transfer for reference radio bearer configuration as specified in TS 34.108, clause 6.10.2.4.1.7a.		
Configuration:			
Defaults:	RRC_Def1		
Comments:	@SIC_NAPP		
Id	La	Behaviour Description	Comments
9	6F, 67)	(bv_TestBody = FALSE)	
10		+ ts_TC_DeactivateRB_TestMode (ts_CellDedicated)	Steps 20-21
11		+ po_ConnectionAndSS_Rel_14_2_7a (sc_CelA)	WA#RAB4309
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

Test Step			
Test Step Id:	ps_ConnectionAndSS_Rel_14_2_7a (p_CellId : INTEGER)		
Test Step Group Ref:	BasicM_Postamble/		
Objective:	To release the existing RRC connection and release the channels that are configured in the SS		
Defaults:	RRC_Def1		
Comments:	WA#RAB4310		
L	Behaviour Description		Comments
1	+ ts_SetTmpCellInfo (p_CellId)		
2	{ tv_TmpCellInfo.cellConfig <=> cell_NotConfigured }		
3	+ It_Send_RRC_ConnectionRelease		
4	= ts_SS_Rel_14_2_7a (p_CellId)		
5	{ tv_TmpCellInfo.cellConfig = cell_NotConfigured }	1	0
6	It_Send_RRC_ConnectionRelease		
7	{ (tv_TmpCellInfo.cellConfig = cell_DCH_StandAloneSRB_NoConn) OR (tv_TmpCellInfo.cellConfig = cell_FACH_NoConn) OR (tv_TmpCellInfo.cellConfig = cell_FACH_BMC_NoConn) OR (tv_TmpCellInfo.cellConfig = cell_NoDPCH) OR		2

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_RelDPCH_14_2_7a" instead of "ts_SS_RelDPCH"

Source of change New Change

Label WA#RAB4311

Test Step			
Test Step Id:	ts_SS_Rel_14_2_7a (p_CellId : INTEGER)		
Test Step Group Ref:	BasicM_SS_Configuration_Steps/		
Objective:	To release all channels that are configured in the SS		
Defaults:	SS_Def1		
Comments:	WA#RAB4311		
L	Behaviour Description		Comments
1	+ ts_SetTmpCellInfo (p_CellId)		
2	{ (tv_TmpCellInfo.cellConfig = cell_DCH_StandAloneSRB) OR (tv_TmpCellInfo.cellConfig = cell_DCH_StandAloneSRB_NoConn) OR (tv_TmpCellInfo.cellConfig = cell_DCH_Speech) OR (tv_TmpCellInfo.cellConfig = cell_DCH_64kCS_RAB_SRB) OR (tv_TmpCellInfo.cellConfig = cell_DCH_57_6kCS_RAB_SRB) OR (tv_TmpCellInfo.cellConfig = cell_DCH_64kPS_RAB_SRB) OR (tv_TmpCellInfo.cellConfig = cell_RLC_DCH_AM_RAB_15Us) OR (tv_TmpCellInfo.cellConfig = cell_RLC_DCH_AM_RAB_7Us) OR (tv_TmpCellInfo.cellConfig = cell_RLC_DCH_UM_RAB_15Us) OR (tv_TmpCellInfo.cellConfig = cell_RLC_DCH_UM_RAB_7Us) OR (tv_TmpCellInfo.cellConfig = cell_PDCP_AM_RAB) OR (tv_TmpCellInfo.cellConfig = cell_PDCP_UM_RAB) OR (tv_TmpCellInfo.cellConfig = cell_PDCP_AM_UM_RAB) OR (tv_TmpCellInfo.cellConfig = cell_DCH_2AM_PS) OR (tv_TmpCellInfo.cellConfig = cell_DCH_2_PS_Cell) OR (tv_TmpCellInfo.cellConfig = cell_DCH_MAC_SRB) OR (tv_TmpCellInfo.cellConfig = cell_DCH_MAC_SRB_NoConn) }		
3	+ ts_SS_RelDPCH_14_2_7a (p_CellId)		1
4	+ It_ReleaseCommonCh		
5	+ It_Release_BCCH		
6	+ ts_SetCellCfg (p_CellId, cell_NotConfigured)		
7	{ (tv_TmpCellInfo.cellConfig = cell_NoDPCH) }		
8	+ It_ReleaseCommonCh		

4.18 ts_SS_ReIDPCH_14_2_7a (WA#RAB4312)

Test step name ts_SS_ReIDPCH_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

Test Step			
Test Step Id:	ts_SS_ReIDPCH_14_2_7a (p_CellId: INTEGER)		
Test Step Group Ref:	BasicM_SS_Configuration_Steps1		
Objective:	To release the DPCH channel.		
Defaults:	SS_Def1		
Comments:	The following channels need to be removed physical channels: DPCH, transport channels: DCH logical channels: DCCH, and signalling radio bearer: signalling bearers on DCH radio access bearer on DCH.		
WA#RAB4312			
L	Behaviour Description		Comments
1	+ ts_BefTmpCellInfo (p_CellId)		
2	[(ts_TmpCellInfo.cellConfig = cell_DCH_Speech)]		
3	+ tl_ReleaseRB1_4		
4	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB10)		
5	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB11)		
6	+ ts_CMAC_Rel (tsc_CellDedicated, tsc_DL_DPCH1)		
7	+ ts_CMAC_Rel (tsc_CellDedicated, tsc_UL_DPCH1)		
8	+ ts_CPHY_TrchReDCH_NoBHO (p_CellId, tsc_DL_DPCH1)		
9	+ ts_CPHY_TrchReDCH_NoBHO (p_CellId, tsc_UL_DPCH1)		
10	+ ts_SS_StopRL (p_CellId, tsc_DL_DPCH1)		
11	+ ts_SS_StopRL (p_CellId, tsc_UL_DPCH1)		
12	ERR [TRUE]		
tl_ReleaseRLC_RB			
13	[(kv_TmpCellInfo.cellConfig = cell_RLC_DCH_AM_RAB_15Us)]		
14	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB_AM_15_RLC)		
15	[(kv_TmpCellInfo.cellConfig = cell_RLC_DCH_AM_RAB_7Us)]		
16	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB_AM_7_RLC)		
17	[(ts_TmpCellInfo.cellConfig = cell_RLC_DCH_UM_RAB_15Us)]		
18	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB_UM_15_RLC)		
19	[(kv_TmpCellInfo.cellConfig = cell_RLC_DCH_UM_RAB_7Us)]		
20	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB_UM_7_RLC)		
tl_ReleaseRB1_4			
21	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB1)		1
22	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB2)		
23	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB3)		
24	+ ts_CRRC_Rel (tsc_CellDedicated, tsc_RB4)		
Detailed 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, Cipherring 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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 266 # rev - #	Current version: 3.5.1 #

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.5a to RAB ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 22/04/2004
Category:	# B	Release:	# R99
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.5a to the approved RAB ATS V3.5.1
Summary of change:	# This document lists all changes applied to test case 14.2.5a required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 14.2.5a 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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_AddReconfTransChInfoListTM3_WA (p_DedTranChTFS1,p_DedTranChTFS2,p_DedTranChTFS3 DedicatedTransChTFS)
Origin:	
Type Name:	DL_AddReconfTransChInfoList
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4282
Constraint Value	
<pre> { { id_TransportChannelType dch, id_TransportChannelIdentity {sc_DL_DCH1, ts_SignalingMode explicit_config : dedicatedTransChTFS : p_DedTranChTFS1, dch_QualityTarget(bler_QualityValue -20) }, dummy OMIT } } { id_TransportChannelType dch, id_TransportChannelIdentity {sc_DL_DCH2, ts_SignalingMode explicit_config : dedicatedTransChTFS : p_DedTranChTFS2, dch_QualityTarget(bler_QualityValue -20) }, dummy OMIT }, { id_TransportChannelType dch, id_TransportChannelIdentity {sc_DL_DCH3, ts_SignalingMode explicit_config : dedicatedTransChTFS : p_DedTranChTFS3, dch_QualityTarget(bler_QualityValue -20) }, dummy OMIT }, { id_TransportChannelType dch, id_TransportChannelIdentity {sc_DL_DCH5, ts_SignalingMode explicit_config : dedicatedTransChTFS : c_DCH_148_TFS_UE_DL, dch_QualityTarget(bler_QualityValue -20), dummy OMIT } } </pre>	
Detailed Comment	

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

Test Step			
Test Step Id	ts_SendRB_SetUpSpeech_10_2k_AMR (p_CellId: INTEGER, p_RAB_Id: BITSTRING, p_ActTime: ActivationTime)		
Test Step Group Ref	RB_GroupsRB_Setup		
Objective	To setup a RADIO BEARER for SPEECH 10.2k and to reconfigure the GS accordingly.		
Defaults	RRC_Def1		
Comments			
La	Behaviour Description	Constraint Ref	Comments
1	+ts_SetTempCellInfo (p_CellId)		
2	AM1RLC_AM_DATA_REQ	<pre> csc_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB 2, tsc_Msi, cs_RRC_RB_SetUp(tsc_CellInfo.d_in tagByCheckInfo, tsc_RRC_T), p_ActTime, csl_DCH, OMIT, c_RAB_InfoListTM3(c_ReEstTimeT314, p_RAB_Id, c_UL_CommTrChInfoTM_12_2k_AMR, c_ UL_AddRacrTrChInfoListTM_3(c_DCH_65_TFS _UE_5, c_DCH_99_TFS_UE_5, c_DCH_40_TFS_UE, c _DCH_148_TFS_UE_UL), c_DL_CommTrChInfo InfoSameAsUL, c_DL_AddRacrTrChInfoListTM3 _WA(c_DCH_65_TFS_UE_6_DL, c_DCH_99_TFS_UE_5, c_DCH_40_TFS_UE), c_DL _InformationPerRLC(tsc_TmpCellInfo.prlcBcmCode, tsc_ SR128, tsc_TmpCellInfo.dl_DPCH_2ndSccCode), c_DL _CommentInformationRB_SetUp (tsc_SR128_4), cL_ UL_DPCH_Info (tsc_SR64, pld_96, tsc_TmpCellInfo.ul_ ScramblingCode), OMIT)) </pre>	<pre> tsc_SprFct + tsc_PuncLimit <= va lues 7 same for uplink and down link ? FracInfo ? </pre> <p>WA#RAB4293</p>
3	AM2RLC_AM_DATA_CNF	<pre> csc_AM_DataMsiCnf(tsc_CellDedicated, tsc_RB3, tsc_ Msi) </pre>	

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 constraint “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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_148_TFS_DL_rm192
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for signaling bearer on dedicated channel
	WA#RAB4293
Constraint Value	
<pre> { numberOfTfsSizeList (size: NULL, use: NULL), logicalChannelList aSizes: NULL } if semiStaticTFS_Information { channelCodingType convolutional third, rateMatchingAttribute 192, etc_Size crc16 } } </pre>	

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_CellId : INTEGER, p_PhyChId : INTEGER, p_Type : TrchConfigType, p_PowerOffsetInformation : PowerOffsetInformation, p_ActivationTime : ActivationTime)
Group:	
ASP Name:	CPHY_TTCH_Config_REQ
Derivation Path:	
Comments:	For FDD mode only, used in acknowledged mode RLC testing
	WA#RAB4297
Constraint Value	
	<pre> cellId p_CellId, routingInfo.physicalChannelIdentity p_PhyChId, ratType sRat, trchConfigType p_Type, configMessage { activationTime activationCFN : p_ActivationTime, dlConnectedTrchList { trchId trc_DL_DCH1, dl_TransportChannelType dch, transportChannelInfo c_DCH_65_TFS_6_DL, }, trchId trc_DL_DCH2, dl_TransportChannelType dch, transportChannelInfo c_DCH_98_TFS_5, }, trchId trc_DL_DCH3, dl_TransportChannelType dch, transportChannelInfo c_DCH_48_TFS, }, trchId trc_DL_DCH5, dl_TransportChannelType dch, transportChannelInfo c_DCH_148_TFS_DL_rm192 }, } } sTFCB c_TFCB_CmpB_1_8_15_22_58_60_61_68_75_82_118_Tx (p_PowerOffsetInformation) </pre>
Detailed Comment	

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

Test Step				
Test Step ID:	ts_4DCH_ModifySpeech10_2k_AMR (p_CellId : INTEGER, p_ActTime : ActivationTime, p_DL_CommonInformation : DL_CommonInformation, p_UL_DPCH_Info : UL_DPCH_Info)			
Test Step Group Ref:	RB_StepsRB_Configuration			
Objective:	To reconfigure physical channel DPCH and connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then map DCH1-4 on to the DCH5 transport channel 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			
Defaults:	InfOtherwiseFail			
Comments:				
La	Behaviour Description	Constraint Ref		Comments
1	+ ts_SetTmpCellInfo (p_CellId)			
2	{pr_RAT = Rel4}			
3	CPHYCPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH1, c_DL_DPCH_AMR (tsc_SF128, p_DL_CommonInformation) p_ActTime)		1
4	CPHYCPHY_RL_Modify_CNF	ca_RL_ModifyCnf (p_CellId, tsc_DL_DPCH1)		
5	CPHYCPHY_TtCH_Config_REQ	ca_4_DCH_10_2k_AMR_DL_Info (p_CellId, tsc_DL_DPCH1, c_TtCHConfigTypeQCH_NoSHD, c_PowerOffsetInfoBelow64k, p_ActTime)		2
6	CPHYCPHY_TtCH_Config_CNF	ca_TtCHCfgCnf (p_CellId, tsc_DL_DPCH1)		
7	CMAC ? CMAC_Config_REQ	ca_CMAC_ReconfInfo (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (CMF, CMIT), c_TtCHInfoDL_10_2k_AMR_AMR, c_TrLogMappingDL_4DCCH_3DTCH, p_ActTime)		3 WA#RAB4188
8	CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_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

Test Step				
Test Step ID:	ts_SendRB_SetUpSpeech_10_2k_AMR (p_CellId : INTEGER, p_RAB_Is : BITSTRING, p_ActTime : ActivationTime)			
Test Step Group Ref:	RB_StepsRB_Setup			
Objective:	To setup a RADIO BEARER for SPEECH 10.2k and to reconfigure the SS accordingly.			
Defaults:	RRC_Def1			
Comments:				
La	Behaviour Description	Constraint Ref		Comments
1	+ ts_SetTmpCellInfo (p_CellId)			
2	AM ? RLC_AM_DATA_REQ	ca_RB_SetUpAM_WithCnf (tsc_CellDedicated, tsc_RB)		tcv_SprndFct + tcv_PwrLimt => va

3	AM?RLC_AM_DATA_CNF	, OMT)) car_AM_DataMuCnf(tsc_CellDedicated, tsc_RB1, tsc_Mu)	
4	+ts_4DCH_ModInSpeech10_2k_AMR (p_Cells, p_ActTime, c_DL_CommonInformationRB_SetUp (tsc_SM120_4), cb_U L_DPCH_Info (tsc_SPS4, sID_96, tsv_TmpCellInfo.ul_ScramblingCode))		W#RAB4304
5	+ts_RB10_To_RB11_TM_CondigSpeech (65, 39, 40)		
6	TSP +ts_RRC_ReceiveRB_SetupCmp (p_CellId , cell_DCH_Speech)		

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 element of the list. It should be { zero : NULL } not { zero : NULL, one : NULL }.
Summary of change	Corrected "numberOfTbSizeList" IE in the first element of the list.
Source of change	New Change
Label	WA#RAB4277

ASN.1 Type Constraint Declaration	
Constraint Name:	t_DCH_65_TFS_6
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variants:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	W#RAB4277
Constraint Value	
<pre> t ::= SEQUENCE { tb_Size 65, numberOfTbSizeList (zero : NULL, logicalChannelList allSizes : NULL), tb_Size 39, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL), tb_Size 42, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL), tb_Size 55, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL), tb_Size 58, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL), tb_Size 65, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL), semiStaticTF_Information } </pre>	

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_65_TFS_UE_6
Group:	
Type Name:	DedicatedTransChTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4278

Constraint Value

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	
Constraint Name:	c_DCH_65_TFS_UE_6_DL
Group:	
Type Name:	DedicatedTransCHTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4279
Constraint Value	
	<pre> { 逻辑信道 [{ rk_Size bitMode : sizeType1 : 0, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { rk_Size bitMode : sizeType1 : 38, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { rk_Size bitMode : sizeType1 : 42, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { rk_Size bitMode : sizeType1 : 55, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { rk_Size bitMode : sizeType1 : 58, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL } { rk_Size bitMode : sizeType1 : 65, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL }] } semantics: TF_Information { </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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_99_TFS_UE_5
Group:	
Type Name:	DedicatedTransChTFS
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4281
Constraint Value	
<pre>1 2 3 [\$120] 4 { rlc_Size bitMode : sizeType1 : 99, 5 numberOfTbSizeList : zero : NULL, 6 logicalChannelList allSizes : NULL 7 } 8 9 { rlc_Size bitMode : sizeType1 : 53, 10 numberOfTbSizeList : one : NULL, 11 logicalChannelList allSizes : NULL 12 } 13 14 { rlc_Size bitMode : sizeType1 : 63, 15 numberOfTbSizeList : one : NULL, 16 logicalChannelList allSizes : NULL 17 } 18 19 { rlc_Size bitMode : sizeType1 : 76, 20 numberOfTbSizeList : one : NULL, 21 logicalChannelList allSizes : NULL 22 } 23 24 { rlc_Size bitMode : sizeType1 : 99, 25 numberOfTbSizeList : one : NULL, 26 logicalChannelList allSizes : NULL 27 } 28 29 } 30 31 semiStaticTF_Information { 32 channelCodingType convolutional third, 33 rateMatchingAttribute 190, 34 crl_Size ccs1 35 }</pre>	

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_40_TFS_UE
Group:	
Type Name:	DedicatedTransChTFS
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for RAB subflow#3 on dedicated channel
	WA#RAB4287
Constraint value	
	<pre> 1 11 #E20 (rlc_Size bitMode : sizeType1 : 40, numberOfTbSizeList zero : NULL, one : NULL), logicalChannelList allSizes : NULL 11 semiStaticTF_Information (channelCodingType convolutional : nat, rateMatching#inbube 135, rrc_Size crc0) </pre>

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:	c_TrChInfoDL_10_2k_AMR_AMR
Group:	
Type Name:	TrChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4116 WA#RAB4285
Constraint Value	
<pre> disconnectedTrChList() { trchid trc_DL_DCH1, transportChannelInfo c_DCH_65_TFS_6_DL } trchid trc_DL_DCH2, transportChannelInfo c_DCH_99_TFS_5 trchid trc_DL_DCH3, transportChannelInfo c_DCH_40_TFS trchid trc_DL_DCH5, transportChannelInfo c_DCH_148_TFS_DL_rm192 dTFCS c_TFCS_Comp0_1_8_15_22_59_80_81_88_75_92_119_Tx (c_PowerOffsetInfoBelow64k) } </pre>	

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_TrChInfoDL_10_2k_AMR_AMR
Group:	
Type Name:	TrChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4116 WA#RAB4285
Constraint Value	
<pre> disconnectedTrChList() { trchid trc_DL_DCH1, transportChannelInfo c_DCH_65_TFS_6_DL } trchid trc_DL_DCH2, transportChannelInfo c_DCH_99_TFS_5 trchid trc_DL_DCH3, transportChannelInfo c_DCH_40_TFS trchid trc_DL_DCH5, transportChannelInfo c_DCH_148_TFS_DL_rm192 dTFCS c_TFCS_Comp0_1_8_15_22_59_80_81_88_75_92_119_Tx (c_PowerOffsetInfoBelow64k) } </pre>	

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

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 267 # rev - # Current version: **3.5.1**

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.4a to RAB ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 22/04/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R96	(Release 1996)
	B (addition of feature),	R97	(Release 1997)
	C (functional modification of feature)	R98	(Release 1998)
	D (editorial modification)	R99	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.4a to the approved RAB ATS V3.5.1		
Summary of change:	# This document lists all changes applied to test case 14.2.4a required for approval. See detailed change description for further information.		
Consequences if not approved:	# Test case will not be added to ATS		

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

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 14.2.4a required for approval
Source: Rohde & Schwarz
Agenda Item: TTCN Issues
Document for: Approval
Contact: Thomas Moosburger
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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.4a 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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_AddReconfTransChInfoListTM3_WA (p_DedTranChTFB1,p_DedTranChTFB2,p_DedTranChTFB3 DedicatedTransChTFB)
Origin:	
Type Name:	DL_AddReconfTransChInfoList
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4282
Constraint Value	
<pre> { { id_TransportChannelType dch, id_TransportChannelIdentity loc_DL_DCH1, ts_SignalingMode explicit_config : dedicatedTransChTFB : p_DedTranChTFB1, dch_QualityTarget(bier_QualityValue -20) }, dummy OMIT } } { id_TransportChannelType dch, id_TransportChannelIdentity loc_DL_DCH2, ts_SignalingMode explicit_config : dedicatedTransChTFB : p_DedTranChTFB2, dch_QualityTarget(bier_QualityValue -20) }, dummy OMIT }, { id_TransportChannelType dch, id_TransportChannelIdentity loc_DL_DCH3, ts_SignalingMode explicit_config : dedicatedTransChTFB : p_DedTranChTFB3, dch_QualityTarget(bier_QualityValue -20) }, dummy OMIT }, { id_TransportChannelType dch, id_TransportChannelIdentity loc_DL_DCH5, ts_SignalingMode explicit_config : dedicatedTransChTFB : c_DCH_148_TFS_UE_DL, dch_QualityTarget(bier_QualityValue -20), dummy OMIT } } </pre>	
Detailed Comment	

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

Test Step					
Test Step Id:	ts_SendRB_SetUpSpeech_12_2k_AMR (p_CellId: INTEGER, p_RB_Id: BITSTRING, p_ActTime: ActivationTime)				
Test Step Group Ref:	RB_Setup/RB_Setup				
Objective:	To setup a RADIO BEARER for SPEECH 12.2k and to reconfigure the SS accordingly.				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	V.	Comments
1		+ ts_SetTempCellInfo (p_CellId)			
2		AM/RLC_AM_DATA_REQ	caa_RB_SetUpPABR_WITHCell(ts_CellDedicated, ts_RB2, ts_MU, ts_RRC_RB_SetUp(ts_CellInfo.d_IntegrityCheckInfo, ts_RRC_T), p_ActTime, cell_DCH, OMIT, c_RAB_InfoListTM3(c_ReEstTimerT314, p_RB_Id), c_UL_CommonTxChInfoTM_12_2k_AMR, c_UL_AddReconfTransChInfoListTM_3(c_DCH_B1_TFS_UE_6, c_DCH_B03_TFS_UE_5, c_DCH_B0_TFS_UE, c_DCH_148_TFS_UE_UL), c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM2_WA(c_DCH_B1_TFS_UE_B_DL, c_DCH_103_TFS_UE_5, c_DCH_60_TFS_UE), c_DL_InformationPerRLCv_TmpCellInfo(p_BsmCode, ts_Bc128, ts_TmpCellInfo.d_DPCH_2ndBcCode), c_DL_CommonInformationRB_SetUp(ts_Bc128_4), cb_UL_DPCH_Info(ts_Bc128_4, p0_84, ts_TmpCellInfo.ul_ScramblingCode), OMIT)		ts_Sprdfid + ts_PuncLimit == values ? same for uplink and downlink ? FreqInfo ? WA#RAB4293

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 constraint “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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_148_TFS_DL_rm192
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variants:	
Comments:	transport format set for signalling bearer on dedicated channel
	WA#RAB4293
Constraint Value	
	<pre> 1 #40 ::= \$Size 148, numberOfTsSizeList(pers : NULL, one : NULL), logicalChannelListofSizes : NULL } -- -- semiTableTF_Information { channelCodingType convolutional third, rateMatchingAttribute 192, crl_Bc cr16 } </pre>

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			
Test Step Id:	ts_4DCH_ModifySpeech12_2k_AMR (p_CellId: INTEGER, p_ActTime: ActivationTime; p_DL_CommonInformation: DL_CommonInformation, p_UL_DPCH_Info: UL_DPCH_Info)		
Test Step Group Ref:	RB_Steps/RB_Configuration/		
Objective:	to reconfigure physical channel DPCH1 and connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel 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		
Defaults:	initThenGoFail		
Comments:			
Id	Behaviour Description	Constraint Ref	Comments
4	CPHYCPHY_RL_Modify_CNF	ca_RL_ModifyCnfg_Cells, tsc_DL_DPCH1)	
5	CPHYCPHY_TrCH_Config_REQ	ca_4_DCH_182_DL_Info (p_CellId, tsc_DL_DPCH1, c_TrchConfigTypeDCH_NoSHO, c_DCH_81_TFS_8_DL, c_DCH_183_TFS_5, c_DCH_88_TFS, c_DCH_148_TFS_DL_rm192, c_TFCS_Cmptr8_1_8_15_22_58_80_81_88_75_82_119_Tx, c_PowerOffSetInfoBelow64k) p_ActTime)	2: WA#RAB4294
6	CPHYCPHY_TrCH_Config_CNF	ca_TrchCfgCnfg_Cells, tsc_DL_DPCH1)	
7	CMAC CMAC_Config_REQ	ca_CMAC_ReconfigInfo (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info(OMIT, OMIT), c_TrchInfoDL_12_2k_AMR(tc_TFCS_	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:	c_TrChInfoDL_12_2k_AMR(p_TFCSTFCSD)
Group:	
Type Name:	TrChInfo
Derivation Path:	
Encoding Variations:	
Comments:	WA#RAB4286
Constraint Value	
<pre> dConnectedTrChList [] trchInfo_DL_DCH1, transportChannelInfo c_DCH_81_TFS_6_DL , trchInfo_DL_DCH2, transportChannelInfo c_DCH_103_TFS_5 , trchInfo_DL_DCH3, transportChannelInfo c_DCH_60_TFS , trchInfo_DL_DCH5, transportChannelInfo c_DCH_148_TFS_DL_rm192 , dTFCSD p_TFCSD </pre>	

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

Test Step			
Test Step ID:	ts_4DCH_ModifySpeech12_2k_AMR (p_CellId : INTEGER, p_ActTime : ActivationTime, p_DL_CommonInformation : DL_CommonInformation, p_UL_DPCH_Info : UL_DPCH_Info)		
Test Step Group Ref:	RB_Steps/RB_Configuration/		
Objective:	to reconfigure physical channel DPCH1 and connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel 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		
Defaults:	initOtherwiseFail		
Comments:			
La	Behaviour Description	Constraint Ref	Comments

6	CPHY?CPHY_TtCH_Config_CNF	ca_TtChCfgCnfrp_Cellid, tsc_DL_DPCH1)	
7	CMAC?CMAC_Config_REQ	ca_CMAC_ReconfigInfo (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info(OMIT, OMIT), c_TtChInfoDL_12_2k_AMR(c_TFCS_Cmpl0_1_8_15_22_59_60_61_68_75_82_119_Tx(c_PowerOfsInfo(Below64k)), c_TtLogMappingDL_4DCH_3DTCH(p_ActTime)	3. WA#RAB4296
8	CMAC?CMAC_Config_CNF	ca_CMAC_CfgCnfr(tsc_CellDedicated, tsc_DL_DPCH1)	
9	CPHY?CPHY_RL_Modfr_REQ	ca_UL_DPCH_ModfrInfo (p_Cellid, tsc_UL_DPCH1, p_UL_DPCH_Info(p_ActTime)	1.

4.8 ts_4DCH_ModifySpeech12_2k_AMR (WA#RAB4296)

Test step name ts_4DCH_ModifySpeech12_2k_AMR

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			
Test Step Id:	ts_4DCH_ModifySpeech12_2k_AMR (p_Cellid: INTEGER, p_ActTime: ActivationTime, p_DL_CommonInformation: DL_CommonInformation, p_UL_DPCH_Info: UL_DPCH_Info)		
Test Step Group Ref:	RB_Steps/RB_Configuration/		
Objective:	to reconfigure physical channel DPCH1 and connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel 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		
Defaults:	initThenFail		
Comments:			
Ln.	Behaviour Description	Constraint Ref	Comments
12	CPHY?CPHY_TtCH_Config_CNF	ca_TtChCfgCnfrp_Cellid, tsc_UL_DPCH1)	
13	CMAC?CMAC_Config_REQ	ca_CMAC_ReconfigInfo (tsc_CellDedicated, tsc_UL_DPCH1, c_UE_Info(OMIT, OMIT), c_TtChInfoUL_12_2k_AMR(c_TFCS_Cmpl0_1_8_15_22_59_60_61_68_75_82_119_Rx, c_TtLogMappingUL_4DCH_3DTCH(p_ActTime)	3. WA#RAB4296
14	CMAC?CMAC_Config_CNF	ca_CMAC_CfgCnfr(tsc_CellDedicated, tsc_UL_DPCH1)	
15	[p_RAT = tsc]		
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

Test Step			
Test Step Id:	ts_SendRB_SetUpSpeech_12_2k_AMR (p_Cellid: INTEGER, p_RAB_Id: BITSTRING, p_ActTime: ActivationTime)		
Test Step Group Ref:	RB_Steps/RB_Setup		
Objective:	To setup a RADIO BEARER for SPEECH 10.2k and to reconfigure the SS accordingly		
Defaults:	RRC_Default		
Comments:			
Ln.	Behaviour Description	Constraint Ref	Comments

3	AM ? RLC_AM_DATA_CNF	car_AM_DataMuxCnf(tsc_CellDedicated,tsc_RB2,tsc_Mux)	
4	+ ts_4DCH_ModifSpeech12_3k_AMR (p_Cellid, p_ActTime, c_DL_CommandInformationRB_SetUp (tsc_SRB12 E_4), cb_DL_DPCH_Info (tsc_SRB4,p0_S4,tsc_TmpCellInfo, UL_ScramblingCode))		WA#RAB4106
5	+ ts_RB10_To_RB12_TM_ConfigSpeech (B1,103,60)		
6	TSP + ts_RRC_ReceiveRB_SetupCmp (p_Cellid, cell_DCH_B peech)		
Detailed Comment:			

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

ASN.1 Type Constraint Declaration	
Constraint Name	c_DCH_103_TFS_UE_5
Group	
Type Name	DedicatedTransCHTFS
Derivation Path	
Encoding Variants	
Comments	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4106
Constraint Value	
<pre> { [rlc_Size bitMode : sizeType1 : 103, numberOfTbSizeList (zero : NULL), logicalChannelList allSizes : NULL], [rlc_Size bitMode : sizeType1 : 53, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL], [rlc_Size bitMode : sizeType1 : 63, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL], [rlc_Size bitMode : sizeType1 : 84, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL], [rlc_Size bitMode : sizeType1 : 103, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL] } </pre>	
<pre> semiStaticTF_Information { channelCodingType convolutional third, rateMatchingAttribute 100, crl_Size 200 } </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	
Constraint Name:	c_DCH_81_TFS_6
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4110
Constraint Value	
	<pre> { { tb_Size 81, numberOfTbSizeList (zero : NULL, logicalChannelList allSizes : NULL), }, { tb_Size 39, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL }, { tb_Size 43, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL }, { tb_Size 55, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL }, { tb_Size 75, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL }, { tb_Size 81, numberOfTbSizeList (one : NULL), logicalChannelList allSizes : NULL }, } semistatic TF_Information { </pre>

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	c_DCH_81_TFS_UE_6
Group	
Type Name	DedicatedTransChTFS
Derivation Path	
Encoding Variations	
Comments	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4111
Constraint Value	
	<pre> [\$129] { rlc_Size bitMode : sizeType1 : 81, numberOfTbSizeList : zero : NULL, logicalChannelList allSizes : NULL } { rlc_Size bitMode : sizeType1 : 39, numberOfTbSizeList : one : NULL, logicalChannelList allSizes : NULL } { rlc_Size bitMode : sizeType1 : 42, numberOfTbSizeList : one : NULL, logicalChannelList allSizes : NULL } { rlc_Size bitMode : sizeType1 : 55, numberOfTbSizeList : one : NULL, logicalChannelList allSizes : NULL } { rlc_Size bitMode : sizeType1 : 75, numberOfTbSizeList : one : NULL, logicalChannelList allSizes : NULL } { rlc_Size bitMode : sizeType1 : 81, numberOfTbSizeList : one : NULL, logicalChannelList allSizes : NULL } semistaticTF information </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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_81_TFS_UE_6_DL
Group:	
Type Name:	DedicatedTransChTFS
Derivation Path:	
(Including Variation):	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4112
Constraint Value	
	<pre> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 </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, Cipherring 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

CR-Form-v7
CHANGE REQUEST
TS 34.123-3 CR 268 # rev - # Current version: 3.5.1

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of GCF P1 test case 12.4.1.1a to NAS ATS V3.5.1		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 20/04/2004
Category:	# B	Release:	# R99
	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 TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 1 NAS test case 12.4.1.1a to the approved NAS ATS V3.5.1
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:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 12.4.1.1a 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.

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4.3	RRC_Def1	3
5	Branches executed in test case 12.4.1.1a.....	4
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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			NAS_OtherwiseFail		
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
26		Do ? RRC_DataInd [tcv_GMM_RAU_Expect = TRUE](tcv_ImprAU_ReqPDU := RRC_DataInd.msg, tcv_CellIndInfo.start_PS := RRC_DataInd.start , tcv_GMM_RAU_Rec := TRUE)	car_InitDirectTransfer (tsc_CellDedicated , tsc_RB3, cbr_RA_UpdReqAny (o_GMM_UpdateType_v(?, ?), c_RAI_Any_v, ?))		ROUTING AREA UPDATE REQUEST @sic EW T1a040041 sic@
27		RETURN			

After modification

Default Name			HAS_OtherwiseFail		
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
26		<pre> Do ? RRC_DataInd [tcv_GMM_RAU_Expect = TRUE] { tcv_TmpRAU_ReqPDU := RRC_DataInd.msg, tcv_CellIndInfo.start_PS := RRC_DataInd.start , tcv_GMM_RAU_Rec := TRUE } </pre>	<pre> car_PS_InitDirectTransfer (tsc_CellDedicated , tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateType_v(? , ?), c_RAI_Any_v, ?)) </pre>		ROUTING AREA UPDATE REQUEST @sic EW Tls040041 sic@
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

Default Name			RRC_Def1		
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
5		<pre> Do ? RRC_DataInd [tcv_GMM_RAU_Expect = TRUE] { tcv_TmpRAU_ReqPDU := RRC_DataInd.msg, tcv_CellIndInfo.start_PS := RRC_DataInd.start , tcv_GMM_RAU_Rec := TRUE } </pre>	<pre> car_InitDirectTransfer (tsc_CellDedicated , tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateType_v(? , ?), c_RAI_Any_v, ?)) </pre>		ROUTING AREA UPDATE REQUEST @sic EW Tls040041 sic@
6		RETURN			

After modification

Default Name			RRC_Def1		
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
5		<pre> Do ? RRC_DataInd [tcv_GMM_RAU_Expect = TRUE] { tcv_TmpRAU_ReqPDU := RRC_DataInd.msg, tcv_CellIndInfo.start_PS := RRC_DataInd.start , tcv_GMM_RAU_Rec := TRUE } </pre>	<pre> car_PS_InitDirectTransfer (tsc_CellDedicated , tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateType_v(? , ?), c_RAI_Any_v, ?)) </pre>		ROUTING AREA UPDATE REQUEST @sic EW Tls040041 sic@
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, Cipherring 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
TS 34.123-3 CR 269 # rev - # Current version: 3.5.1

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

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

Title:	#	Test Case 13.2.1.1	
Source:	#	Anritsu Limited	
Work item code:	#	N/A	Date: # 8/4/2004
Category:	#	B	Release: # R99
		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 TR 21.900 .	Use <u>one</u> 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:	#	No change required.
Summary of change:	#	Please be sure that the following values are setting correct in the PICS/PIXIT file: pc_EmergSpeech, BOOLEAN, TRUE pc_OnlyEmergency, BOOLEAN, FALSE
Consequences if not approved:	#	

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

How to create CRs using this form:

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

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

Title: Changes to test case 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

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4.2	Detailed changes	2

3 Verification Test Summary

Test Case: tc_13_2_1_1
ATS Version: iWD-TVB2003-03_D04wk12
Domain Tested: PS
Test Configuration: Integrity Enabled
Cipherring 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 System MX785201A
UE used: Nokia 3G UE 7600 & Motorola 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
TS 34.123-3 CR 270 # rev - # Current version: 3.4.0

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of GCF P3 test case 10.1.2.6.6 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 26/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.6.6 to the approved NAS ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 10.1.2.6.6 required for approval. See detailed change description for further information. This CR is a revision of T1s040157 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

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

How to create CRs using this form:

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

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

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

Title: 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.

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4.2	Introduction.....	2
5	Branches executed in test case 10.1.2.6.6.....	4
6	Execution Log Files.....	4
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6.2	Motorola 3G UE A835	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 - Added new receive constraint cdr_CallConfCau17 with IE cause value set to 17.
 - Changed line 19 and 21 in local test step It_RelCompOrCallConf: 3rd parameter in constraint car_UplinkDirectTransfer is changed from 'cr_CallConf' to 'cdr_CallConfCau17'.
Source of change Sasken, see e-mail on T1/SIG reflector on 04/03/04
Label n/a

PDU Constraint Declaration				
Constraint Name:	cdr_CallConfCau17 (p_TI : TI, p_StreamId : StreamId)			
Group:				
PDU Name:	CALLCONFIRMED			
Derivation Path:	cr_CallConf			
Encoding Rule Name:				
Encoding Variation:				
Comments:	CALL CONFIRMED - receive - constraint with the cause value 17 (user busy) @SIC-VB sasken email 04/03/2004 SIC@			
Field Name	Element value	Type Encoding	Comments	
ti	p_TI			
ieC_ProtocolDiscriminator	'0011B			
msgType	'7001000B			
repeating	c_RepeatingAny IF_PRESENT			
bcap1	cr_BcapAnyMO IF_PRESENT			
bcap2	cr_BcapAnyMO IF_PRESENT			
cau	cr_Cau (17)			
ieC_Capabilities	cr_CC_CapabilitiesAny IF_PRESENT			
streamId	p_StreamId			

E_RelCompOrCallConf				
18	TBF1	Do ? RRC_DataInd	car_UplinkDirectTransfer (tsc_C elDedicated, tsc_RB3, cr_RelC mpCau (tsv_TI_R, 17))	5. Step A2
19		Do ? RRC_DataInd (tsv_CallConf := RRC_DataInd.msg, tsv_RAB_id := tsv_CallConf.streamId.val)	car_UplinkDirectTransfer (tsc_C elDedicated, tsc_RB3, cr_CallC onfCau17 (tsv_TI_R, cr_Streat IdPresent))	Step E2a @SIC VB sasken email 04/03/ 2004 SIC@
20		+Hj_AbOrRelCompI		
21		Do ? RRC_DataInd (tsv_CallConf := RRC_DataInd.msg, tsv_RAB_id := tsc_RAB_DefCS)	car_UplinkDirectTransfer (tsc_C elDedicated, tsc_RB3, cdr_Call ConfCau17 (tsv_TI_R, -))	Step E2b @SIC VB sasken email 04/03/ 2004 SIC@
22		+Hj_AbOrRelCompI		

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

TS 34.123-3 CR 271 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of GCF P3 test case 10.1.2.7.2 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 25/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.7.2 to the approved NAS ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 10.1.2.7.2 required for approval. See detailed change description for further information. This CR is a revision of T1s040159 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

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

How to create CRs using this form:

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

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

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

Title: 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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5	Branches executed in test case 10.1.2.7.2.....	4
6	Execution Log Files.....	4
6.1	Nokia 3G UE 7600	4
6.2	Motorola 3G UE A835	4
7	References	4

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 explicitly 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			
Test Step Id:	ts_CC_CheckStateU0_MO_CurrentTI (p_Cellid: INTEGER)		
Test Step Group Ref:	CC_Steps/		
Objective:	Check that the current MO CC entity in the MS is in state U0		
Defaults:	NAS_OtherwiseFail		
Comments:	the current transaction Identifier (TI) value is checked.		
L	Behaviour Description	Constraint Ref	Comments
1	(tcv_TI_S.BVal = INT_TO_BIT (tcv_Counter , 3), tcv_TLR.BVal = INT_TO_BIT (tcv_Counter , 3))		
2	Dc ? RRC_DataReq	ca_DataReq (bsc_CellDedicated, bsc_RB3, cs_StatusEnq (tcv_TI_S))	
3	TSP Dc ? RRC_DataInd	car_UplinkDirectTransfer (bsc_CellDedicated, bsc_RB3 (P 1, cr_RelCmpCau (tcv_TLR, 8t))	

Test Case			
Test Case Id	tc_10_1_2_7_2		
Test Group Reference	CC/OutgoingCall/U11/		
Purpose:	1) To verify that the a CC-entity of the UE in CC-state U11, "Disconnect Request", upon receipt of the RELEASE message shall return RELEASE COMPLETE and enter the CC-state U0, "Null".		
Configuration Defaults	NAS_OtherwiseFail		
Comments			
L	Behaviour Description	Constant Ref	Comments
1	START t_Guard (300)		
2	+ts_InitVariables		
3	+ts_CC_CreateCellA		2
4	+ts_IdleUpdated (tsc_CellA)		
5	+ts_CC_BasicServMO_Tel		1
6	+ts_CC_PrEnterU11_3(tsc_CellA)		3
7	TBB (tcv_TestBody := TRUE)		
8	Dc 1 RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RBS, cs_Rel (tcv_TL5))	Step 1
9	TBP Dc 7 RRC_DataInd	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RBS, (P of_RelCmpl (tcv_TLR))	Step 2
10	+ts_CC_CheckStateU0_MO_CurrentTI (tsc_CellA)		Steps 3-5 @SIC VB email from sasken on 04/03/2004 SIC@
11	+ts_RRC_ConnRelInNAS (tsc_CellA, cell_Dch)		
12	+pd_ConnectionAndSS_Rel (tsc_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, Cipherring 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
TS 34.123-3 CR 272 # rev - # Current version: 3.4.0

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

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

Title:	# Addition of GCF P3 test case 10.1.2.5.5 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 25/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.5.5 to the approved NAS ATS V3.4.0
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

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

How to create CRs using this form:

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

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

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

Title: 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
6	Execution Log Files.....	4
6.1	Nokia 3G UE 7600	4
6.2	Motorola 3G UE A835	4
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 explicitly 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			
Test Step ID:	ts_CC_CheckStateU0_MO_CurrentTI (p_Cellid : INTEGER)		
Test Step Group Ref:	CC_Steps/		
Objective:	Check that the current MO CC entity in the MS is in state U0		
Defaults:	NAS_OtherwiseFail		
Comments:	the current transaction identifier (TI) value is checked.		
L	Behaviour Description	Constraint Ref	Comments
1	(tcv_TI_S.bVal = INT_TO_BIT (tcv_Counter , 3), tcv_TI_R.bVal = INT_TO_BIT (tcv_Counter , 3))		
2	Do 1 RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cs_StatusEnq (tcv_TI_S))	
3	TSP Do 1 RRC_DataInd	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3 (P 1, cr_RelCmpCau (tcv_TI_R, 81))	

Test Case				
Test Case ID:	tc_10_1_2_5_5			
Test Group Reference:	CC/OutgoingCallM4/			
Purpose:	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, "Null".			
Configuration:				
Defaults:	NAS_OtherwiseFail			
Comments:				
L	Behaviour Description	Constraint Ref		Comments
1	START ! Guard (300)			
2	+ts_InitVariables			
3	+ts_CC_CreateCellA			2
4	+ts_IdleUpdated (tsc_CellA)			
5	+ts_CC_BasicServMO_Tel			1
6	+ts_CC_PrEnterU4_3 (tsc_CellA)			3
7	TBS (tcv_TestBody => TRUE)			
8	Dc RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RBS, cds_ReIca u31 (tcv_TI_B))		Step 1
9	Dc ? RRC_DataInd	ca_UplinkDirectTransfer (tsc_CellDedicated, tsc_RBS, (P or_ReCmpl (tcv_TI_R))		Step 2
10	+ts_CC_CheckStateU0_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, Cipherring 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	
# TS 34.123-3 CR 273 # rev - #	Current version: 3.4.0 #

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

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

Title:	# Addition of GCF P3 test case 10.1.2.6.2 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 25/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.6.2 to the approved NAS ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 10.1.2.6.2 required for approval. See detailed change description for further information. This CR is a revision of T1s040153 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

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

How to create CRs using this form:

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

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

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

Title: Approval of test case 10.1.2.6.2
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 10.1.2.6.2 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.

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3 Verification Test Summary

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 explicitly 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			
Test Step ID:	ts_CC_CheckStateU0_MO_CurrentTI (p_Cellid : INTEGER)		
Test Step Group Ref:	CC_Steps/		
Objective:	Check that the current MO CC entity in the MS is in state U0		
Defaults:	NAS_OtherwiseFail		
Comments:	the current transaction identifier (TI) value is checked.		
L	Behaviour Description	Constraint Ref	Comments
1	(tcv_TI_S.bVal = INT_TO_BIT (tcv_Counter, 3), tcv_TI_R.bVal = INT_TO_BIT (tcv_Counter, 3))		
2	Do 1 RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cs_StatusEnq (tcv_TI_S))	
3	TSP Do 1 RRC_DataInd	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3 (P 1, cr_RelCmpCau (tcv_TI_R, 81))	

Test Case				
Test Case id:	tc_10_1_2_6_2			
Test Group Reference:	CC/OutgoingCAM/10/			
Purpose:	1) To verify that the a CC-entity of the UE in CC-state U10, "Active", upon receive of the RELEASE will respond with the RELEASE COMPLETE message and enter the CC-state U0, "Null" 2) To verify that the UE on returning to the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile originating transaction identifiers are in CC-state U0, "Null"			
Configuration:				
Defaults:	NAS_OtherwiseFail			
Comments:				
L	Behaviour Description	Constraint Ref		Comments
1	START t_Guard (300)			
2	+ts_InitVariables			
3	+ts_CC_CreateCellA			2
4	+ts IdleUpdated (tsc_CellA)			
5	+ts_CC_BasicServMO_Tel			1
6	+ts_CC_PrEnterU10_MO (tsc_CellA)			3
7	TBS (tcv_TestBody = TRUE)			
8	Dc RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cds_RelCa u31 (tcv_TI_S))		Step 1
9	TBP Dc ? RRC_DataInd	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, (P tr_RelCmpl (tcv_TI_R))		Step 2
10	+ts_CC_CheckStateUO_MO_CurrentTI (tsc_CellA)			Steps 3-5 @@SIC VB email from saskin on 04/03/2004 SIC@
11	+ts_RRC_ConnReNoNAS (tsc_CellA, cell_Dch)			
12	+ps_ConnectionAndSS_Rel (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

TS 34.123-3 CR 274 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of GCF P3 test case 10.1.2.4.10 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 25/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.4.10 to the approved NAS ATS V3.4.0
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 ATS

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

How to create CRs using this form:

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

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

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

Title: Approval of test case 10.1.2.4.10
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 10.1.2.4.10 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
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3 Verification Test Summary

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 : It_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

Test Case				
Test Case Id:	tc_10_1_2_4_10			
Test Group Reference:	CC/OutgoingCall/3/			
Purpose:	To verify that a CC-entity of the UE in CC-state U3, "Mobile Originating Call Proceeding" will, upon expiry of timer T310, initiate call release by sending DISCONNECT and enter the CC-state U11, "Disconnect Request"			
Configuration:				
Defaults:	NAS_OtherwiseFail			
Comments:				
Nr	Label	Behaviour Description	Constraint Ref	Comments
1		START t_Guard (300)		
2		+ ts_inVariables		
3		+ ts_CC_CreateCellA		2
4		+ ts_idleUpdated (ts_CellA)		
5		+ ts_CC_BasicServMO_Tel		1
6		+ ts_CC_PrEnterU3_3 (ts_CellA)		3 @SIC VB email from sasken on 04/03/2004 SIC@
7		START t_UpperBound (ts_T310_CC_Max)		@SIC VB email from sasken on 04/03/2004 SIC@ Step 1
8		START t_LowerBound (ts_T310_CC_Min)		@SIC VB email from sasken 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, Cipherring 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

CR-Form-v7
CHANGE REQUEST
TS 34.123-3 CR 275 # rev - # Current version: 3.4.0

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of GCF P3 test case 10.1.2.3.3 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 23/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.3.3 to the approved NAS ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 10.1.2.3.3 required for approval. See detailed change description for further information. This CR is a revision of T1s040147 and includes comments raised by Sasken on 18/03/04 (see section 4.3).
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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.

2 Table of Contents

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4.3	Sasken comments related to timer T303	3
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6	Execution Log Files.....	5
6.1	Nokia 3G UE 7600	5
7	References	5

3 Verification Test Summary

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 : lt_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_CreateCellA		2.
4	+ ts_IdleUpdated (ts_CellA)		
5	+ ts_CC_BasicServMO_Tel		1.
6	+ ts_CC_PrEnterU1 (ts_CellA)		3. WA#NAS4421
7	START t_UpperBound (33000)		
8	START t_LowerBound (27000)		

4.2.2 WA#NAS4346

Test step name tc_10_1_2_3_3 : lt_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_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB 3, cr_Disc (tcv_Tl_R))	(P)	Steps 1-2 4.
12		+ ts_CC_CheckState (tsc_CellA, tsc_StateU11)			WA#NAS4346
13	TBE1	(tcv_TestBody => FALSE)			
14		+ po_ConnectionAndSS_Rel (tsc_CellA)			
15	TBF1	? TIMEOUT t_UpperBound		(F)	
16	TBE2	(tcv_TestBody => FALSE)			
17		+ po_ConnectionAndSS_Rel (tsc_CellA)			
18	TBF2	Dc ? RRC_DataInD CANCEL t_UpperBound, CANCEL t_LowerBound	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB 3, cr_Disc (tcv_Tl_R))	(F)	Steps 1-2
19		+ ts_CC_CheckState (tsc_CellA, tsc_StateU11)			WA#NAS4346
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 reception 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

Test Step					
Test Step Id	ts_CC_EnterU01_StartT303 (p_CellId : INTEGER)				
Test Step Group Ref	CC_Steps/				
Objective	To bring UE to CC state U0.1				
Defaults	NAS_OtherwiseFail				
Comments	See TBS4 123-1 cl. 10.1.2 table 10.1.2/1: establishment of an outgoing call (late assignment)				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ts_AT_InitCallCS			@SIC VB T15040168 SIC@
2		+ts_RRC_ConnEst (p_CellId , est_M O, tcv_RRC_EstCaMO)			Step 1
3		START t_LowerBound (27000)			@SIC VB email from Sasken 160304 SIC@
4		Dc ? RRC_DataInd (tcv_Start = RRC_DataInd.start)	car_InitDirectTransfer (tsc_Ce lDedicated, tsc_RB3, cd_CM_ ServReqMO (?))		Step 4
5		START t_UpperBound (33000)			@SIC VB email from Sasken 160304 SIC@
6		+ts_SS_SecurityDownloadStart (cs domain, tcv_Start)			

Test Case					
Test Case Id	tc_10_1_2_3_3				
Test Group Reference	CC/OutgoingCall/U1/				
Purpose	1) To verify that a CC entity of the UE in CC-state U1, "Call initiated", upon expiry of T303 sends a DISCONNECT message to its peer entity and enters state U11, "Disconnect request".				
Configuration:					
Defaults	NAS_OtherwiseFail				
Comments					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard (300)			
2		+ts_InitVariables			
3		+ts_CC_CreateCellA			2.
4		+ts_kdeUpdated (tsc_CellA)			
5		+ts_CC_BasicServMO_Tel			1.
6		+ts_CC_PrEnterU1_StartT303 (ts c_CellA)			3. @SIC VB T15040168 SIC @
7	TBS	(tcv_TestBody = TRUE)			
8		? TIMEOUT t_LowerBound			
9	TBP	Dc ? RRC_DataInd CANCEL t_Up perBound	car_UpInDirectTransfer (tsc_ (P) CellDedicated, tsc_RB3, or_D tsc (tcv_T1_R))		Steps 1-2 4.
10		+ts_CC_CheckState (tsc_CellA, tsc_StateU11)			@SIC VB T15040147 SIC@
11	TBE1	(tcv_TestBody = FALSE)			
12		+ps_ConnectionAndSS_Rel (t sc_CellA)			
13	TBF1	? TIMEOUT t_UpperBound		(F)	
14	TBE2	(tcv_TestBody = FALSE)			
15		+ps_ConnectionAndSS_Rel (ts c_CellA)			
16	TBF2	Dc ? RRC_DataInd CANCEL t_Up perBound , CANCEL t_LowerBound	car_UpInDirectTransfer (tsc_ (P) CellDedicated, tsc_RB3, or_D tsc (tcv_T1_R))		Steps 1-2
17	TBE3	(tcv_TestBody = FALSE)			
18		+ps_ConnectionAndSS_Rel (ts c_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

CR-Form-v7	
CHANGE REQUEST	
№ TS 34.123-3 CR 276 № rev - №	Current version: 3.4.0 №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

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

Title:	№ Addition of NAS test case 8.3.1.2 to RRC ATS V3.4.0 (revision of T1-031735)		
Source:	№ Anritsu Limited		
Work item code:	№ N/A	Date:	№ 23/03/2004
Category:	№ B	Release:	№ R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	№ To add verified GCF package 2 RRC test case 8.3.1.2 to the approved RRC ATS V3.4.0. The purpose of this CR is complete the formal documentation required for the test case to be approved at T-Plenary
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.
Consequences if not approved:	№ Test case will not be added to ATS

Clauses affected:	№ N/A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications № Test specifications O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Y	N										
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<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
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 <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

Title: Changes to test case 8.3.1.2 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.

2 Table of Contents

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4	Corrections required for test case 10.1.2.1.1	2
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4.2	Detailed changes	2

3 Verification Test Summary

Test Case: tc_8_3_1_2
ATS Version: iWD-TVB2003-03_D04wk04
Domain Tested: PS
Test Configuration: Integrity Enabled
Cipherring 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.

CR-Form-v7	
CHANGE REQUEST	
№ TS 34.123-3 CR 277 № rev - №	Current version: 3.4.0 №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

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

Title:	№ Addition of NAS test case 8.3.1.5 to RRC ATS V3.4.0 (revision of T1-031807)		
Source:	№ Anritsu Limited		
Work item code:	№ N/A	Date:	№ 23/03/2004
Category:	№ B	Release:	№ R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	№ To add verified GCF package 2 RRC test case 8.3.1.5 to the approved RRC ATS V3.4.0. The purpose of this CR is complete the formal documentation required for the test case to be approved at T-Plenary
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.
Consequences if not approved:	№ Test case will not be added to ATS

Clauses affected:	№ N/A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications № Test specifications O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Other comments:	№										

How to create CRs using this form:

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

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

Title: Changes to test case 8.3.1.5 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.

2 Table of Contents

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2	Table of Contents	1
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4	Corrections required for test case 8.3.1.5	2
4.1	Introduction	2
4.2	Detailed changes	2

3 Verification Test Summary

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.

CR-Form-v7	
CHANGE REQUEST	
№ TS 34.123-3 CR 278 № rev - №	Current version: 3.4.0 №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

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

Title:	№ Addition of NAS test case 8.3.1.6 to RRC ATS V3.4.0 (revision of T1-031809)		
Source:	№ Anritsu Limited		
Work item code:	№ N/A	Date:	№ 23/03/2004
Category:	№ B	Release:	№ R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	№ To add verified GCF package 2 RRC test case 8.3.1.6 to the approved RRC ATS V3.4.0. The purpose of this CR is complete the formal documentation required for the test case to be approved at T-Plenary
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.
Consequences if not approved:	№ Test case will not be added to ATS

Clauses affected:	№ N/A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	№						

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

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

Title: Changes to test case 8.3.1.6 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.

2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 8.3.1.6	2
4.1	Introduction	2
4.2	Detailed changes	2

3 Verification Test Summary

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.

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 279 # rev - # Current version: **3.4.0**

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of GCF P3 test case 14.2.12 to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 23/03/2004
Category:	# B	Release:	# R99
	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 TR 21.900 .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.12 to the approved RAB ATS V3.4.0
Summary of change:	This document lists all changes applied to test case 14.2.12 required for approval. See detailed change description for further information. This CR is a revision of T1s040051. Removed section 4.9 ("Used "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 not approved:	# Test case will not be added to ATS

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

Other comments: ☹

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

Title: Changes to test case 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.

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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 14.2.12

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#RAB4165, WA#RAB4166, WA#RAB4180, WA#RAB4181, WA#RAB4184, 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_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:	c_DCH_576_TFS_3_UE_WA (p_RM : INTEGER)
Origin:	
Type Name:	DedicatedTransChTFR
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for transport channel used in ConversationalUnknownUL 28.8 DL 28.8kbps and StreamingUnknownUL 28.8 DL 28.8kbps WA#RAB4120
Constraint Value	
<pre> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 </pre>	

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

Test Step					
Test Step Id:	ts_SendRB_SetUpConvUnknown_28_8k (p_Cellid INTEGER, p_RAB_Id BITSTRING, p_ActTime ActivationTime)				
Test Step Group Ref:	RB_SetupRB_Setup				
Objective:	To setup a RADIO BEARER for conversational 84k with TTI 20 and to reconfigure the SS accordingly.				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Descriptor	Constraint Ref	Verdict	Comments
1		+ ts_SetTempCellInfo (p_Cellid)			
2		AM / RLC_AM_DATA_REQ	case RB_SetUpAM_WithCch(tsc_ CellDedicated, tsc_RSQ, tsc_MU , cc_RRC_RB_SetUp); tsv_Cel lInfo.d.IntegrityCheckInfo, ts v_RRC_T1, p_ActTime, cell_D CH, OMIT, c_RAB_InfoListT M1_Seg_False (t_ReEstTim erT14, p_RAB_Id, c_UL_ CommTrChInfoTMS_ToS, c_ UL_AddReconfTransChInfoList N_1 (c_DCH_576_TFS_3_UE_W A(1800), c_DL_CommonTrans ChInfoSameAsUL, c_DL_AddR econfTransChInfoListTM_1, c_ DL_InformationPerRL (sv_TmpC ellInfo.priSecmCode, tsc_Sk84, sv_TmpCellInfo.d.DPCH_2ndSec Code), c_DL_CommonInformati onRB_SetUp (tsc_Sk84), cb_U L_DPCH_Info (tsc_Sk82, pri_S2, tsv_TmpCellInfo.ul_Scrambling Code) , OMIT))		tsv_SprdfC + tsv_PunctLimit = + values ? same for uplink an d downlink ? FreqInfo ? WA#RAB4120

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_TrChInfoDL_2_0_To5 (p_DchTFB5, p_DchTFB1 : CommonOrDedicatedTFB)
Group:	
Type Name:	TrChInfo
Derivation Path:	
Encoding Variation:	
Comments:	With CTFC list: 0, 1, 2, 3, 4, 5 WA#RAB4124
Constraint Value	
<pre> d[connectedTrChList] trch1tsc_DL_DCH1, transportChannelInfo_p_DchTFB1 , trch1tsc_DL_DCH5, transportChannelInfo_p_DchTFB5 , d[TFCS c_TFCS_Cmpl0_To5_Tr (c_PowerOffsetInfoBelow64k) </pre>	

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

Test Step					
Test Step Id:	ts_2DCH_ModifyConvUnknown_28_8 (p_CellId : INTEGER, p_ActTime : ActivationTime, p_DL_CommonInformation DL_CommonInformation, p_UL_DPCH_Info : UL_DPCH_Info)				
Test Step Group Ref:	RB_StepsRB_Configuration				
Objective:	to configure physical channel DPCH and connect DCH1 and DCH5 to the physical channel, then map DCH1-4 on to the DCH5 transport channel and map D TCH(subflow#1) to the DCH1 transport channel respectively. Used for conversational / unknown / UL28.8/DL28.8 kbps				
Default:	InitOtherwiseFail				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		[ix_RAT = fcs]			
3		CPHYCPHY RL Modify REQ	ca DL DPCH ModifyInfo to Cell		1.

6		CPHY?CPHY_TrCh_Config_CNF	ca_TrChCfgConf_CellId,tsc_DL_DPCH1)	
7		CMAC?CMAC_Config_REQ	ca_CMAC_ReconfigInfo (sc_Cel IDedicated,tsc_DL_DPCH1,c_U E_Info (OMIT,OMT),c_TrChInfo DL_2_0_To5 (c_DCH_148_TFS _DL,c_DCH_576_TFS_3 (180)), c_TrLogMappingDL_4DCCH_1D TCH,p_ActTime)	3 WA#RAB4183
8		CMAC?CMAC_Config_CNF	ca_CMAC_CfgConf(tsc_CellDedic ated,tsc_DL_DPCH1)	

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

Test Step					
Test Step ID:	ts_2DCH_ModifyConvUnknown_28_8 (p_CellId : INTEGER, p_ActTime : ActivationTime, p_DL_CommInformation : DL_CommInformation, p_UL_DPCH_Info : UL_DPCH_Info)				
Test Step Group Ref:	RB_Steps/RB_Configuration				
Objective:	to configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCH1-4 on to the DCH5 transport channel and map D TCH(subflow1) to the DCH1 transport channel respectively. Used for conversational / unknown / UL 28.8 DL 28.8 kbps				
Default:	InitOtherwiseFail				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTempCellInfo (p_CellId) [ix_RAT = tsc]			
2		CPHY?CPHY_RL_Modif_REQ	ca_DL_DPCH_ModifInfo (b_Cel		1.
12		CPHY?CPHY_TrCh_Config_CNF	(180) p_ActTime) ca_TrChCfgConf_CellId,tsc_UL_DPCH1)		
13		CMAC?CMAC_Config_REQ	ca_CMAC_ReconfigInfo (sc_Cel IDedicated,tsc_UL_DPCH1,c_U E_Info (OMIT,OMT),c_TrChInfo _UL_2_0_To5 (c_DCH_148_TFS _UL,c_DCH_576_TFS_3 (180)), c_TrLogMappingUL_4DCCH_1D TCH,p_ActTime)	3 WA#RAB4183	
14		CMAC?CMAC_Config_CNF	ca_CMAC_CfgConf(tsc_CellDedic ated,tsc_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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_CommTrChInfoTM_0_To5
Group:	
Type Name:	UL_CommonTransChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4128 WA#RAB4273
Constraint Value	
<pre> tfc_Subset OMIT, prach_TFCList OMIT, maxBpschInfo 500} ul_TFCS normalTFCListSignalling complete: { r#Size cfr4Bit() { c#4 0, powerOffsetInformation c_PowerOffsetInfoComputed }, { c#4 1, powerOffsetInformation c_PowerOffsetInfoComputed }, { c#4 2, powerOffsetInformation c_PowerOffsetInfoComputed }, { c#4 3, powerOffsetInformation c_PowerOffsetInfoComputed }, { c#4 4, powerOffsetInformation c_PowerOffsetInfoComputed }, { c#4 5, powerOffsetInformation c_PowerOffsetInfoBelow54k } } </pre>	
Detailed Comment:	

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 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

ASN.1 Type Constraint Declaration	
Constraint Name	c_UL_CommonTransChInfo_TM_0_To5
Group	
Type Name	UL_CommonTransChInfo
Derivation Path	
Encoding Variations	
Comments	<p>NA#R44129</p> <p>NA#R44127</p>
Constraint Value	
<pre> { ff_Subset OMT, prach_TFCS OMT, modeSpecInfo {0} ul_TFCS normalTFCS_Signalling complete: { c0:4 0, powerOffsetInformation c_PowerOffsetInfoComputed }, { c0:4 1, powerOffsetInformation c_PowerOffsetInfoComputed }, { c0:4 2, powerOffsetInformation c_PowerOffsetInfoComputed }, { c0:4 3, powerOffsetInformation c_PowerOffsetInfoComputed }, { c0:4 4, powerOffsetInformation c_PowerOffsetInfoComputed }, { c0:4 5, powerOffsetInformation c_PowerOffsetInfoBelow64k } } </pre>	
Detailed Comment	

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

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 280 # rev - # Current version: **3.4.0**

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of NAS test case 10.1.3.3.1 to NAS ATS V3.4.0 (Revision of T1s040170)		
Source:	# Racal Instruments Wireless Solutions, an Aeroflex company		
Work item code:	# N/A	Date:	# 22/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.3.3.1 to the approved NAS ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 10.1.3.3.1 required for approval. See detailed change description for further information. This CR is a revision of T1s040170
Consequences if not approved:	# Test case will not be added to ATS

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

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

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

Title: 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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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		+ ts_IdleUpdated (tsr_CeBA)			
5		+ ts_CC_BasicSendIT_Tst			1.
6		+ ts_CC_PrEnterU4 (tsr_CeBA)			3.
7	TBS	(tsr_TestBody = TRUE)			

After :

4		+ ts_IdleUpdated (tsr_CeBA)			
5		+ ts_CC_BasicSendIT_Tst			1.
6		+ ts_CC_EnterU9_2 (tsr_CeBA)			3.
7	TBS	(tsr_TestBody = 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	+ ts_RRRC_ConnEst(p_CellId, est_MF, tsv_EstCause)		Step 1
4	DiRRRC_DataInd tsv_Start = RRRC_DataInd.start	tsv_IndDirectTransfer (tsv_CellDedicated, ts _RB3, c_PagResp (T, c_MobileTMSI_b))	Step 2
5	+ ts_MM_Authentication (p_CellId)		
6	+ ts_SS_SecurityDownloadStart (cs_domain, tsv_Start)		Steps 2a-2b
7	+ ts_RRRC_Security (p_CellId, tsv_AuthCK, tsv_AuthK, tsv_AuthKOSM, TRUE, cs_domain)		Steps 3-4

After :

4	DiRRRC_DataInd tsv_Start = RRRC_DataInd.start	tsv_IndDirectTransfer (tsv_CellDedicated, ts _RB3, c_PagResp (T, c_MobileTMSI_b))	Step 2
5	+ ts_SS_SecurityDownloadStart (cs_domain, tsv_Start)		
6	+ ts_MM_Authentication (p_CellId)		Steps 2a-2b
7	+ ts_RRRC_Security (p_CellId, tsv_AuthCK, tsv_AuthK, tsv_AuthKOSM, TRUE, cs_domain)		Steps 3-4

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CHANGE REQUEST
TS 34.123-3 CR 281 # rev - # Current version: 3.4.0

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Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RRC test case 8.1.10.1 to RRC ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 22/03/2004
Category:	# B	Release:	# R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 2 RRC test case 8.1.10.1 to the approved RRC ATS 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								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;">X</td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N	X	X	X	X	#	TS 34.123-1, clause 8.1.10.1.4, A prose CR will be raised.
Y	N								
X	X								
X	X								
Other comments:	#								

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

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

Title: Changes to test case 8.1.10.1 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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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

It_TestBody				
16		+ It_MO_CallEstablishment (tsc_CellA)		Step 1
17		+ ts_NAS_SignallingConnectionRelease (tsc_CellA)		Step 2: clear call
18		+ ts_RRC_ConnRel (tsc_CellA, cell_Dch)		
19		+ts_SendSIB3_MinimumBarred (tsc_CellA)		Step 3, barred CellA, Sent in SIB 3
20		+ts_CMAC_Pag1_Cfg (tsc_CellA)		To configure paging on MAC layer
21		TMIRLC_TR_DATA_REQ START T WaitMS(45000)	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_NotifyIdleMode (tcv_MIB.mib_ValueTag, tsc_SFN_123))	step 4 The UE is paged by using an arbitrarily chosen SFN No. to get an initial SFN value. WA#RRC4305
22		? TIMEOUT t_waitMS		WA#RRC4306
23		+ It_MO_CallEstablishment (tsc_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		START1_Guard		
1		[px_RAT=fd]d]		FDD specific behaviour
2		+ts_RRC_InitVariables (cell_DCH)		
3		+ts_SS_CreateCellDCH (tsc_CellA)		Configure lower tester
4		+ts_SendMinimumSysInfo(tsc_CellA)		Step 1
5		+ts_IdleUpdated (tsc_CellA)		Idle Update
6		(tcv_CellInfoB.attenuationLevel > tcv_CellInfoB.powerp CPICH+65)		WA#RRC4308
7		+ts_SS_CreateCellDCH (tsc_CellB)		Configure lower tester
8		+ts_SendMaximumSysInfo(tsc_CellB)		Step 2
9	TBS	(tcv_TestBody=TRUE)		
10		+ It_TestBody		
11		+ ts_C3_CheckCellDCH (tsc_CellB)		WA#RRC4299
12	TBE	(tcv_TestBody=FALSE)		
13		+po_ConnectionAndSS_ReIs		Release the RRC Connec tions
1	ERR1	[px_RAT=td]d]		I TDD specific behaviour
1	ERR2	[TRUE]		I

4.6 ts_SendSIB3_MinimumBarred (WA#RRC4307)

Variable name ts_SendSIB3_MinimumBarred

Reason for change To initialise 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:	ts_SendSIB3_MinimumBarred(p_CellId: INTEGER)				
Test Step Group Ref:	BasicM_SysInfoHandling_StepsMinimum_Maximum'				
Objective:	To send system information block 3 with cell barred on, used for minimum configuration in test case 8.1.10.				
Defaults:	InitOtherwiseFail				
Comments:	@SIC_NAPP 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		(tcv_SIB3.cellAccessRestriction.c ellBarred >= c_CellBarred)			
4		(tcv_MIB := tcv_MIB_Minimum_Sa ved)			
5		+ts_SendSIB3_Minimum(tcv_SI B3, p_CellId, tsc_Now)			
6		+ts_SendMIB(tcv_MIB, p_CellId, tsc_Now)			
7	ERR1	[px_RAT = tdd]		I	

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

CR-Form-v7	CHANGE REQUEST
# TS 34.123-3 CR 282 # rev - # Current version: 3.4.0 #	

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of GCF P2 test case 8.4.1.18 to RRC ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 11/03/2004
Category:	# B	Release:	# R99
	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 TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 2 RRC test case 8.4.1.18 to the approved RRC ATS V3.4.0
Summary of change:	# 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 not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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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

tcv_MIB_ValueTagChanged	BOOLEAN	TRUE	Initial value = FALSE, set to TRUE after MIB valueTag changed, set to FALSE after MIB delivered to SS. WA#RRC4258
-------------------------	---------	------	--

4.3 cr_QoS_InteractiveOrBackgroundMO_CellFACH_Iv (WA#RRC3141)

constraint name cr_QoS_InteractiveOrBackgroundMO_CellFACH_Iv

Reason for change Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should be set to 32kbps

Summary of change Changed comment to 32kbps

Source of change New Change

Label WA#RRC3141

Structured Type Constraint Declaration			
Constraint Name:	cr_QoS_InteractiveOrBackgroundMO_CellFACH_4v(p_DtyClass_p_trafficClass_B3)		
Group:			
Type Name:	QualityOfService_4v		
Derivation Path:			
Encoding Variations:			
Comments:	The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE WA#RRC3141		
Element Name	Element Value	Type Encoding	Comments
length	0B0		
spare	00B		
dtyClass	p_DtyClass		
reliabilityClass	011B		Unacknowledged GTP, LLC and Acknowledged RLC, Protected Data
peakThroughput	0011B		32 kbps
spare1	0B		
precedenceClass	000B		Subscribed class
spare2	000B		
meanThroughput	11111B		best effort
trafficClass	p_trafficClass		interactive
deliveryOrder	01B		With delivery order
deliveryErrorSDU	010B		Erroneous SDU are delivered
maxSDUsize	200		320 octets
maxBitRateUplink	200		32 kbps
maxBitRateDnlink	200		32 kbps
residualBER	0111B		1 x 10E (-5)
sduErrRatio	0100B		1 x 10E (-4)
transDly	?		Transfer delay will be neglected in case of interactive or background. Hence the value is set to spare
trafficRandom	?		to be neglected by the UE as the traffic class is Background
bitRateUplink	?		Any value in uplink
bitRateDnlink	?		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 Anite CR : T1031838

Label WA#RRC3142

H_PrepareAT_CindCGEMNH			
20	[(tx_TripCellInfo.cellConfig = cell_FACH_NoConn) OR (tx_TripCellInfo.cellConfig = cell_FACH) OR (tx_TripCellInfo.cellConfig = cell_FACH_NoDedicated) OR (tx_TripCellInfo.cellConfig = cell_FACH_PS) OR (tx_TripCellInfo.cellConfig = cell_FACH_BMC) OR (tx_TripCellInfo.cellConfig = cell_FACH_BMC_NoConn) OR (tx_TripCellInfo.cellConfig = cell_FACH_2_PRRACH_NoConn) OR (tx_TripCellInfo.cellConfig = cell_FACH_2_PRRACH) OR (tx_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH_NoConn) OR (tx_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH) OR (tx_TripCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Catg1_NoConn) OR (tx_TripCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Catg2_NoConn) OR (tx_TripCellInfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH_NoConn) OR (tx_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH_StandAlonePCH_NoConn) OR (tx_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH_StandAlonePCH) OR (tx_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH_StandAlonePCH_PS)]		WA#RRC3142
21	[ps_Interactve AND (ps_RRC_PS_SenTested = ps_Interactve)]		
22	!tx_AT_Cmd = (AT+CGEMNH=1,3,32,32,1,328,"1E3","4E3",1,3)<CR>*)	set up the Minimum QoS	WA#RRC3142
23	[ps_Background AND (ps_RRC_PS_SenTested = ps_Background)]		
24	!tx_AT_Cmd = (AT+CGEMNH=1,3,32,32,1,328,"1E3","4E3",1,3)<CR>*)		WA#RRC3142
25	ERR [TRUE]		Parameter error
26	! [TRUE]		
27	[ps_Interactve AND (ps_RRC_PS_SenTested = ps_Interactve)]		
28	!tx_AT_Cmd = (AT+CGEMNH=1,3,64,64,1,328,"1E3","4E3",1,3)<CR>*)	set up the Minimum QoS	
29	[ps_Background AND (ps_RRC_PS_SenTested = ps_Background)]		
30	!tx_AT_Cmd = (AT+CGEMNH=1,3,64,64,1,328,"1E3","4E3",1,3)<CR>*)		
31	ERR [TRUE]		Parameter error

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

37	<pre> +ts_EnforceMdr(SB11_SB12_MB_RRC_FACH (tcv_CellA, 2, tcv_SB11, c_SB12_MdrBdrTraffic) OMIT, OMIT, tk_BdrPayload: FULL, TRUE, FALSE, (Loc_State a) (States), acknowledgedMdr(RLC, periodical, periodicalReportingCriteria: t_PeriodicalReportingCriteria (No_Integrity, rll) tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoI,) </pre>		<p>Step 32 and 33a</p> <p>NOTE: UE is in CellFACH state, So SB12 is modified and default SB11 is sent WA#RRC4201</p>
38	<pre> +ts_RRC_Delay (SEED) </pre>		WA#RRC4201
39	<pre> +R_RR_MeasurementReport (5) </pre>		Step 34 is prose,
40	<pre> +R_RRReconfigToDCH </pre>		Step 35 & 36 is prose,
41	<pre> +R_RR_MeasurementReport (5) </pre>		Step 37 is prose,
42	<pre> AM (RLC_AM_DATA_REQ </pre>	<pre> cas_MeasurementControl (tcv_ _CellDedicated, tcv_RB2, cc_MeasurementControlTraffic, VolumeRelease (tcv_CellInfoA, dl_IntegrityCheckInfo, tcv_RR C_Ti, 5)) </pre>	Step 38 is prose,
43	TRC	(tcv_TestBody = FALSE)	(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))

Source of change New Change

Label WA#RRC4201

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)

Source of change New Change

Label WA#RRC4083

E_RRCReconfigToDCH			
44	+ts_CalculateActTime (tsc_CellA)		
45	AMR RLC_AM_DATA_REQ :	cas_RB_Reconfigure (tsc_CellDedicated, tsc_RB2, cbs_108_RB_ReconfigDCH_ToFACH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tsc_New_CRNTI))	Allocates dedicated physical channels WA#RRC4201
46	tsc_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DPCH_ScrC_2		WA#RRC4083
47	+ts_SS_Reconf_FACH_ToDCH (tsc_CellA)		To change SS from Cell FACH to Cell DCH
48	+ts_RRC_ReceiveRB_ReconfigComp (tsc_CellA, tsc_RRC_RAR_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_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#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 prompt 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 assignment (tcv_CellInfoA.cRNTI := tsc_New_CRNTI)

Source of change New Change

Label WA#RRC4203

Line	Code	Comments
49	+ts_CalculateActTime (ts_CellA)	
50	AM RRC_AM_DATA_REQ	cat_RR_Reconfig (ts_CellDedicated, ts_RS2, ts_CellInfoA.cRNTI := tsc_New_CRNTI); cat_UE_RR_ReconfigDCH_ToFACH (ts_CellInfoA, ts_CellInfoA.cRNTI := tsc_New_CRNTI);
51	+ts_RRC_Delay (ts_WaitBeforeFACH_Conf)	
52	(ts_CellInfoA.cRNTI := tsc_New_CRNTI)	
53	+ts_SS_ReconfDCH_ToFACH (ts_CellA)	
54	(tcv_RRC_RAB_Type = ts_FACH_RS)	
55	+ts_RRC_ReceiveRR_ReconfComp (ts_CellA, ts_RRC_RAB_Type)	

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 Added CANCEL t_WaitMS

Source of change New Change

Label WA#RRC4127

Line	Code	Comments
56	(ts_Tolerance := (8 * 1000) / 10)	
57	START t_WaitMS (8 * 1000 + ts_Tolerance)	
58	TYP T_TIMEOUT t_WaitMS	
59	TYP AM RRC_AM_DATA_IND	cat_MeasurementReport (ts_CellDedicated, ts_RS2, ts_CellInfoA, ts_CellInfoA.cRNTI := tsc_New_CRNTI);
60	(ts_TrafficToMeas_Results = RRC_AM_DATA_IND.am_message.cDCH_Message.message.measurementReport.measurementResultsList.volumeMeasuredResultsList, ts_RS2.ReceiveList := (ts_TrafficToMeas_Results [0].rs_ident, ts_TrafficToMeas_Results [1].rs_ident, ts_TrafficToMeas_Results [2].rs_ident, ts_TrafficToMeas_Results [3].rs_ident))	
61	CANCEL t_WaitMS	
62	+ts_CheckRSInTrafficToMeas (ts_RS2.ReceiveList, ts_RS2.ReceiveList)	

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 Created "ts_SysInfoModifySIB11_SIB12_MIB_RRC_FACH.
Source of change New Change
Label WA#RRC4149

Test Step			
Test Step ID:	It_SysInfoModifySIB11_SIB12_MIB_RRC_FACH (p_CellId: INTEGER, p_MIB_ValueTag: INTEGER, p_SIB11_DesInfoType1: p_SIB12_DesInfoType12, p_Timing: INTEGER)		
Test Step Group Ref:	SystemMeasurementsSpecific		
Objective:	To modify the the contents of SIB11 and MIB		
Default:			
Comments:	5 seconds shall be reserved for UE receiving and decoding the modified system information blocks after calling this test step after the BS broadcasting the new contents.		
WA#RRC4149			
Ln	Behaviour Description	Constraint Ref	Comments
1	[pr_RAT = fsc]		
2	+It_IsMIB_SIB1 (p_CellId)		
3	+It_SendSIB11_LongNeighCellInfo (p_SIB11, p_CellId, p_Timing)		
4	+It_SendSIB12_LongNeighCellInfo (p_SIB12, p_CellId, p_Timing)		
5	+It_SendSIB1_LongNeighCellInfo (tv_SIB1, p_CellId, p_Timing)		
6	+It_ChangeMIB_ValueTagSpecificValue (p_MIB_ValueTag)		
7	+It_SendMIB (tv_MIB, p_CellId, p_Timing)		
8	+It_SendSystemInfoChangeInd (p_CellId, tv_MIBInfo_ValueTag)		
9	+It_SaveBackMIB_SIB1 (p_CellId)		
10	[pr_RAT = fsc]		
11	[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

Ln	Behaviour Description	Constraint Ref	Comments
44	AM: RLC_AM_DATA_REQ	csd_RB_Reconfigure (tsc_CellDedicated, tv_RB2, tsc_100_RB_ReconfigFACH_ToDCH (tv_CellInfo_d_IntegrityCheckInfo, tv_RRC_TL_CMIT, tv_CellInfoA.orSsmCode, tv_CellInfoA.ul_ScramblingCode))	Allocates dedicated physical channels @c: Thomas CR 11-00102 9-30@
45	+ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)		@c: Thomas ER 1473 30@
46	(tv_CellInfoA.dl_DPCH_2ndSsrCode, tsc_DL_DPCH_SsrC_2)		@c: Thomas CR 11-00144 2-30@
47	+ts_SS_Reconf_FACH_ToDCH (tv_CellId)		To change SS from Cell FACH to Cell DCH
48	+ts_RRC_ReceiveRB_ReconfigCmpl (tv_CellId)		UE moves to Cell DCH @c: Thomas ER 1441 @c:

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 Cipherring 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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 283 # rev - #	Current version: 3.4.0 #

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of GCF P2 test case 8.4.1.19 to RRC ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 11/03/2004
Category:	# B	Release:	# R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 2 RRC test case 8.4.1.19 to the approved RRC ATS V3.4.0
Summary of change:	# 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 Anritsu.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

Title: Changes to test case 8.4.1.19 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

tcv_MIB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIB valueTag changed, set to FALSE after MIB delivery to SS. WA#RRC4258
-------------------------	---------	------	---

4.3 cr_QoS_InteractiveOrBackgroundMO_CellFACH_Iv (WA#RRC3141)

Constraint name cr_QoS_InteractiveOrBackgroundMO_CellFACH_Iv
Reason for change Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should

be set to 32kbps

Summary of change Changed comment to 32kbps

Source of change New Change

Label WA#RRC3141

Structured Type Constraint Declaration				
Constraint Name	cr_QoS_InteractiveOrBackgroundMO_CellFACH_1v(p_DyClass_p_TrafficClass_B3)			
Group				
Type Name	QualityOfService_1v			
Derivation Path				
Encoding Variation				
Comments	The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE WA#RRC3141			
Element Name	Element Value	Type Encoding	Comments	
length	0B0			
spare	00B			
dyClass	p_DyClass			
reliabilityClass	011B		Unacknowledged GTP, LLC and Acknowledged RLC, Protected Data	
peakThroughput	0011B		32 kbps	
spare1	0B			
precedenceClass	000B		Subscribed class	
spare2	000B			
meanThroughput	11111B		best effort	
trafficClass	p_trafficClass		interactive	
deliveryOrder	01B		With delivery order	
deliveryErrorSDU	010B		Erroneous SDU are delivered	
maxSDUSize	200		320 octets	
maxBitRateUplink	200		32 kbps	
maxBitRateDnlink	200		32 kbps	
residualBER	0111B		1 x 10E (-5)	
sduErrRate	0100B		1 x 10E (-4)	
transDly	?		Transfer delay will be neglected in case of interactive or background. Hence the value is set to spare	
trafficHandprn	?		to be neglected by the UE as the traffic class is Background	
bitRateUplink	?		Any value in uplink	
bitRateDnlink	?		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 Anite CR: T1031838

Label WA#RRC3142

Line	Code	Comments
20		<pre> { (sv_TripCellInfo.cellConfig = cell_FACH_NoConn) OR (sv_TripCellInfo.cellConfig = cell_FACH) OR (sv_TripCellInfo.cellConfig = cell_FACH_NoDedicated) OR (sv_TripCellInfo.cellConfig = cell_FACH_PS) OR (sv_TripCellInfo.cellConfig = cell_FACH_BMC) OR (sv_TripCellInfo.cellConfig = cell_FACH_BMC_NoConn) OR (sv_TripCellInfo.cellConfig = cell_FACH_2_Prach_NoConn) OR (sv_TripCellInfo.cellConfig = cell_FACH_2_Prach) OR (sv_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH_NoConn) OR (sv_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH) OR (sv_TripCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Catg2_NoConn) OR (sv_TripCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Catg2_NoConn) OR (sv_TripCellInfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_Catg2_NoConn) OR (sv_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH_StandAloneFCH_NoConn) OR (sv_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH_StandAloneFCH) OR (sv_TripCellInfo.cellConfig = cell_FACH_2_SCCPCH_StandAloneFCH_PS) } </pre>
21		
22		<pre> { (pc_Interactve AND (pc_RRC_PS_SemTested = ps_Interactive)) (sv_AT_Cmd = (FAT+COEGMNH=1,3,32,1,328,"1E3","4E3",1,3)<CR>*) } </pre>
23		set up the Minimum QoS WA#RRC4142
24		<pre> { (pc_Background AND (pc_RRC_PS_SemTested = ps_Background)) (sv_AT_Cmd = (FAT+COEGMNH=1,3,32,32,1,328,"1E3","4E3",1,<CR>*) } </pre>
25	ERR	Parameter error
26		
27		
28		set up the Minimum QoS
29		<pre> { (pc_Background AND (pc_RRC_PS_SemTested = ps_Background)) (sv_AT_Cmd = (FAT+COEGMNH=1,3,64,64,1,328,"1E3","4E3",1,<CR>*) } </pre>
30		
31	ERR	Parameter error

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.
Summary of change	Used "ts_SysInfoModifySIB12_RRC_DCH" instead "ts_SysInfoModifySIB12_RRC". See WA#RRC4142.
Source of change	New Change
Label	WA#RRC4143

Line	Code	Comments
36		+s_RBReconfigToDCH
37		<pre> +ts_SysInfoModifySIB12_RRC_DCH (sv_CellA, sv_RB11, r_SIB12, ModifyTrafficVolume(1, 5, OMIT, ric_BufferPayload: NULL, TRUE, FALSE, OMIT, acknowledgedModeRLC, periodical, periodicalReportingCriteria - r_PeriodicalReportingCriteria (ra_Integrity,r8) , sv_CellA, sv_CellInfoA, sv_CellInfoB, sv_CellInfoC, sv_CellInfoD, sv_CellInfoE, sv_CellInfoF, sv_CellInfoG, sv_CellInfoH), sv_New) </pre>
		Step 31 & 32 is prose, Step 33 is prose. WA#RRC4143

4.8 tc_8_4_1_19 (WA#RRC 4144)

Test step name	Ttc_8_4_1_19
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 ) )

```

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

Line	Code	Comment
42	+ tc_CalculateActTime (tsc_CellA)	
43	AMTRC_AM_DATA_REQ	
44	cas_RB_Reconfigure (Allocates dedicated physical channels
45	<pre> tsc_CellDedicated, tsc_RB2, cbs_108_RB_ReconfigFACH_ToDCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uL_ScramblingCode) </pre>	WA#RRC4144
44	tcv_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DPCH_ScrC_2	WA#RRC4084
45	+ ts_BS_Reconf_FACH_ToDCH (tsc_CellA)	To change BS from Cell FACH to Cell DCH
46	+ ts_RRC_ReceiveRB_ReconfigCmpl (tsc_CellA, tsc_RRC_RB_Type)	UE moves to Cell 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 prompt 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 assignment (tcv_CellInfoA.cRNTI := tsc_New_CRNTI2)

Source of change New Change

Label WA#RRC4146

t_RBReconfgToFACH			
47	+ ts_CalculateActTime (tsc_CellA)		
48	AM TRLC_AM_DATA_REQ	car_RB_Reconfigure (tsc_CellDedicated, tsc_RB2, tsc_10B_RB_ReconfgDCH_ToFACH (tsc_CellInfoA.d.IntegrityCheckInfo, tsc_RRC_TI, tsc_CellInfoA.frequencyInfo, tsc_CellInfoA.priSecMCSds, tsc_New_CRNTI2))	Allocates dedicated physical channels WA#RRC4145
49	+ ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)		WA#RRC4218
50	(tsc_CellInfoA.CRNTI => tsc_New_CRNTI2)		WA#RRC4146
51	+ts_SS_ReconfDCH_ToFACH (tsc_CellA)		To change SS from Cell DCH to Cell FACH
52	(tsc_RRC_RAB_Type => cell_FACH_PS)		
53	+ ts_RRC_ReceiveRB_ReconfgCmpl (tsc_CellA, tsc_RRC_RAB_Type)		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 Added CANCEL t_WaitMS

Source of change New Change

Label WA#RRC4128

t_Po_MeasurementReport (p_MeasurementIdentity: MeasurementIdentity)			
54	(ts_Tolerance = (8 * 1000) / 10)		
55	START1_WAITMS (0 * 1000 + ts_Tolerance)		W#RRC4128 the wait timer to 8 seconds
56	TSP T TRIGGER t_WaitMS		(F) Timer expires then test case fails
57	AM TRLC_AM_DATA_REQ (tsc_TrafficVolMeas_Results => TRLC_AM_DATA_REQ_AM_messageA_d_CCH_MessageA_mmeasurereport.measuredResults.buffersUsageMeasuredResultsList, tsc_RB_SRB_ReceiveList = tsc_TrafficVolMeas_Results [0] ts_Identity, tsc_TrafficVolMeas_Results [1] ts_Identity, tsc_TrafficVolMeas_Results [2] ts_Identity, tsc_TrafficVolMeas_Results [3] ts_Identity, tsc_TrafficVolMeas_Results [4] ts_Identity) CANCEL t_WaitMS	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cbr_AA_MeasReportTrafficVolume_SRB_RB2B (p_MeasurementIdentity, OMIT, OMIT, OMIT))	(P) @sic Thomas CR T1-031562 sic@ WA#RRC4128
58	+ts_CheckRBSinTrafficVolume (tsc_RB_SRB_ReceiveList, tsc_RB_SRB_RAB_List)		@sic Thomas CR T1-031562 sic@

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 implement WA#RRC4143.

Summary of change New test step created "ts_SysInfoModifySIB12_RRC_DCH"

Source of change New Change

Label WA#RRC4142

Test Step Id:	ts_SysInfoModifySIB12_RRC_DCH (p_Cell: INTCOCH, p_SIB11: SysInfoType11, p_SIB12: SysInfoType12, p_Timing: INTCOCH)		
Test Step Group Ref:	SysInfoMeasurementSpecific		
Objective:	To modify the contents of SIB12.		
Default:	IsSuccessful		
Comments:	5 seconds shall be reserved for UE receiving and decoding the modified system information blocks after calling this test step after the SS broadcasting the new contents. WA#RRC4142		
Ln	Behaviour Description	Constraint Ref	Comments
1	(p_RAT = 100)		
2	+ ts_inMRB_SIB1 (p_Cell)		
3	+ts_SendSIB1_LongleighCells (p_SIB11, p_Cell, p_Timing)		
4	+ts_SendSIB12_LongleighCells (p_SIB12, p_Cell, p_Timing)		
5	+ts_SendSIB1_LongleighCells (tsc_SIB1, p_Cell, p_Timing)		
6	+ts_SendMB (tsc_MR2, p_Cell, p_Timing)		
7	+ ts_SaveSIB12MB_SIB1 (p_Cell)		
8	(p_RAT = 100)		
9	[TRUE]		

4.15 tc_8_4_1_19 : It_TestBody

Test step name tc_8_4_1_19: It_RBReconfigToDCH, line 42
Reason for change Calculation of activation time unnecessary.
Summary of change Removed test step ts_CalculateActTime in line 42
Source of change Anritsu, 06/02/04
Label 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 (ts_WaitBeforeFACH_Conf) directly after RB reconfiguration in line 42.
Source of change Anritsu, 06/02/04
Label n/a

Line	Code	Comments
42	<pre> AM1RLC_AM_DATA_REQ cas_RB_Reconfigure (tsc_CellDedicated, tsc_RB2, cbs_105_RB_ReconfigFACH_T oDCH (tcv_CellInfoA.d_IntegrityCh eckInfo, tcv_RRC_Ti, OMT, tcv_CellInfoA.priScrnCode, tcv_CellInfoA.ul_ScramblingC ode)) </pre>	Allocates dedicated physical channels @sic Thomas CR T1-03183 1 sic@
43	<pre> +ts_RRC_Delay (ts_WaitBeforeFACH _Conf) </pre>	@sic Thomas ER 1473 sic@
44	<pre> (tcv_CellInfoA.d_DPCH_2ndScrCode = tsc_DL_DPCH_ScrC_2) </pre>	@sic Thomas CR T1-03183 1 sic@
45	<pre> +ts_SS_Reconf_FACH_ToDCH (tsc _CellA) </pre>	To change SS from Cell FACH to Cell DCH
46	<pre> +ts_RRC_ReceiveRB_ReconfigCmp (tsc_CellA) </pre>	UE moves to Cell DCH @sic Thomas ER 1441 sic@

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

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 284 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of NAS test case 10.1.3.5.6 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 10/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.3.5.6 to the approved NAS ATS V3.4.0
Summary of change:	# 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 affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	#
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<input type="checkbox"/>	Test specifications	#				
	<input type="checkbox"/>	O&M Specifications	#				
Other comments:	#						

How to create CRs using this form:

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

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

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

Title: Changes to test case 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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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 name tc_10_1_3_5_6
Reason for change Incorrect test step used for Mobile Terminated session
Summary of change Changed "ts_CC_BasicServMO_Tel" to "ts_CC_BasicServMT_Tel"
Source of change New change
Label WA#NAS4347

2		+ ts_InitVariables		
3		+ ts_CC_CreateCellA		2.
4		+ ts_IdleUpdated (ts_CellA)		
5		+ ts_CC_BasicServMT_Tel		1. WA#NAS4347
6		+ ts_CC_PrEnterU8 (ts_CellA)		3.
7	TBS	(ts_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

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 285 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of NAS test case 10.1.2.2.2 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 10/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.2.2 to the approved NAS ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 10.1.2.2.2 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

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

Title: Changes to test case 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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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	(tcv_TestBody := TRUE)		
8		+ts_MM_Authentication(tsc_Cella)		Step 1a WA#NAS4390
9		+ts_RRC_Security(tsc_Cella, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, cs_domain)		Step 1c WA#NAS4391

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
Label WA#NAS4391

6		+ts_CC_EnterU01(tsc_Cella)		3.
7	TBS	(tcv_TestBody := TRUE)		
8		+ts_MM_Authentication(tsc_Cella)		Step 1a WA#NAS4390
9		+ts_RRC_Security(tsc_Cella, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, cs_domain)		Step 1c WA#NAS4391
10		+ts_CC_RcvSetupOrEsetup(tsc_Cella)		Step 2
11	TBP	[tcv_SetupMOR.cdpn.digits = o_IA5_DigitsTo0ct(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		[tcv_SetupMOOr.cdpn.digits <=> o_IA5_DigitsToOct](px_CC_CallID callingDigits)	(F)	4.	WA#NAS4379	
16	TBE	2	(tcv_TestBody := FALSE)				
17			+ po_ConnectionAndSS_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_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

CHANGE REQUEST

TS 34.123-3 CR 286 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of RRC test case 8.4.1.26 to RRC ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 10/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RRC test case 8.4.1.26 to the approved RRC ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 8.4.1.26 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	# N/A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	#
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
		Test specifications									
		O&M Specifications	# Prose CR T1-040505								
Other comments:	#										

How to create CRs using this form:

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

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

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

Title: Changes to test case 8.4.1.26 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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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.

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
Label WA#RRC4316

19		(tcv_CellInfoA.attenuationLevel = tcv_CellInfoA.powerCPICH + 85)		Step 5 in prose; initialise parameters such that power levels at time T1 can be configured.
20		+tcv_SetAttenuationLevel (tcv_CellA, tcv_CellInfoA.attenuationLevel)		Changing the power level of cell A as given in Table at time T1
21		(tcv_Tolerance >= (10* 1000) / 10)		WA#RRC4316
22		START_TIMER (10* 1000 + tcv_Tolerance)		Initialize the wait timer to 5 seconds WA#RRC4316
23	TBF2	? TIMEOUT_WAITMS	0)	
24	TBF3	UM (RLC_UM_DATA_IND	car_MeasurementReportUM (tcv_CellDedicated, tcv_RB1, cr_MeasReportInterFreq_Event24_3e_2f, 10, a2d, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrnCode)	0)
				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

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 287 # rev - # Current version: **3.4.0**

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of GCF P1 test case 8.4.1.3 to RRC ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 08/03/2004
Category:	# B	Release:	# R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 1 RRC test case 8.4.1.3 to the approved RRC ATS in TS 34.123-3, V3.4.0
Summary of change:	# This document lists all changes applied to test case 8.4.1.3 required for approval. 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 not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Title: Changes to test case 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_NO_reportingIndicator in activeSetReportingQuantities from FALSE to TRUE
Source of change	New Change
Label	WA#RRC3137

```

intraFreqMeasQuantity (
  filterCoefficient OMT,
  modeSpecificInfo tdd : {
    intraFreqMeasQuantity_FDD cpich_RSCP)
},
intraFreqReportingQuantityForRACH (
  sfn_SFN_OTD_Type noReport,
  modeSpecificInfo tdd : {
    intraFreqRepQuantityRACH_FDD cpich_RSCP)
},
measReportedCellsOnRACH currentCell,
reportingInfoForCellDCH (
  intraFreqReportingQuantity
  {
    activeSetReportingQuantities
    {
      dummy noReport,
      cellIdentity_reportingIndicator FALSE,
      cellSynchronisationInfoReportingIndicator FALSE,
      modeSpecificInfo tdd :
      {
        cpich_Bc_N0_reportingIndicator TRUE,
        cpich_RSCP_reportingIndicator FALSE,
        pathloss_reportingIndicator FALSE
      }
    },
    monitoredSetReportingQuantities
    {
      dummy noReport,
      cellIdentity_reportingIndicator FALSE,
      cellSynchronisationInfoReportingIndicator TRUE,
      modeSpecificInfo tdd :
      {
        cpich_Bc_N0_reportingIndicator FALSE,
        cpich_RSCP_reportingIndicator TRUE,
        pathloss_reportingIndicator FALSE
      }
    },
    detectedSetReportingQuantities OMT
  }
)
}

```

4.3 tc_8_4_1_3 : line 1 (WA#RRC3144)

Test step name tc_8_4_1_3 , line 1
Reason for change Time out before testcase could be finished
Summary of change set t_Guard to 600 seconds
Source of change New Change
Label WA#RRC3144

...	...	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(600)			WA#RRC3144
2		[p<_RAT = fdd]			FDD specific behaviour
3		+t_InitVariables			
4		+ts_SS_CreateCellFACH(tsc_CellA)			
5		+ts_SendDef_sysInfo_MultCellWithoutSIB12 (tsc_CellA)			

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_DPCH_SF_64k_PS, pl0_96, p_UL_ScramblingCode),

REPLACE ... c_DL_CommonInformation_FACH_ToDCH (tsc_DL_DPCH1_SFP_64k_PS),

REPLACE ... c_DL_InformationPerRL (p_PrimScramblingCode, tsc_DL_DPCH1_ChC_64k_PS, tsc_DL_DPCH1_2ndScrC)

Source of change New Change

Label WA#RRC3146

ASN.1 PDU Constraint Declaration	
ConstraintName:	cb_PhyChReconf64k_PS_FACH_ToDCH_Message
s_IntegrityInfo:	IntegrityCheckInfo;
s_RRC_Ti:	RRC_TransactionIdentifier;
s_ActTime:	ActionTime;
s_FreqInfo:	FrequencyInfo;
s_PrimScramblingCode:	PrimaryScramblingCode;
s_UL_ScramblingCode:	UL_ScramblingCode;
Group:	
PDU Name:	DL_DCH_Message
Derivation Path:	cb_108_PhyChReconf64k_PS_ToDCH
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP WA#RRC3146
Constraint Value	
REPLACE message physicalChannelReconfiguration_r3.physicalChannelReconfiguration_r3.ul_ChannelRequirement.ul_DPCH_Info BY cb_UL_DPCH_Info (tsc_UL_DPCH_SF_64k_PS, pl0_96, p_UL_ScramblingCode);	
REPLACE message physicalChannelReconfiguration_r3.physicalChannelReconfiguration_r3.ul_CommonInformation BY c_DL_CommonInformation_FACH_ToDCH (tsc_DL_DPCH1_SFP_64k_PS);	
REPLACE message physicalChannelReconfiguration_r3.physicalChannelReconfiguration_r3.ul_InformationPerRL_List BY c_DL_InformationPerRL (p_PrimScramblingCode, tsc_DL_DPCH1_ChC_64k_PS, tsc_DL_DPCH1_2ndScrC);	

4.5 tc_8_4_1_3 : It_TestBody (WA#RRC3155)

Test step name tc_8_4_1_3 : It_TestBody , line 4

Reason for change In tc8413, after step 4, the UE should send CellUpdate after expiry of T305. Together with the range in WA#RRC3156 a tolerance should be considered and the timer should be set to the lower bound of T305

Summary of change Change timer value from 300 to 270

Source of change New change

Label WA#RRC3155

Step	Step Name	Step Type	Step Description	Step Status	Step Comment
16	START (WaitMS (270 * 1000))				WA#RRC3155
17	TBF1 AM ?RLC_AM_DATA_IND		car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqPeriodicAddMeasResults (*, *, *, *))	(F)	Step 6 in prose;
18	TBP1 ?TIMEOUT1_WaitMS			(P)	Step 6 in prose;

4.6 tc_8_4_1_3 : It_TestBody (WA#RRC3156)

Test step name tc_8_4_1_3 : It_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 change Change timer values to 45000 for upperbound and 15000 for lowerbound
Source of change New change
Label WA#RRC3156

18	TBP	?TIMEOUT1_WaitMS		(P)	Step 6 in prose;
19		+hs_RRC_ReceiveCellUpdatePeriodic (tsc_CellA, cdr_CellUpdateMeasResultOnRACHNoMoniCells (tcv_CellInfoA.uRNTI, periodicalCellUpdate), 45000, 15000)			Step 7 in prose; WA#RRC3156
20		UM1RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, info: 1/8 CellUpdateCnfCyc		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

Structured Type Constraint Declaration			
Constraint Name:	cs_QoS_InteractiveOrBackgroundMT_CellFACH_Iv (p_DtyClass, p_trafficClass : B3)		
Group:			
Type Name:	QualityOfService_Iv		
Derivation Path:			
Encoding Variation:			
Comments:	The QoS 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 mcr WA#RRC3161		
Element Name	Element Value	Type Encoding	Comments
length	10B0		
spare	100B		
dtyClass	p_DtyClass		
reliabilityClass	1011B		Unacknowledged GTP, LLC, and Acknowledged RLC: Protected Data
peakThroughput	10011B		32 kbps
spare1	10B		
precedenceClass	1011B		Class 3
spare2	1000B		
meanThroughput	111111B		best effort
trafficClass	p_trafficClass		
deliveryOrder	101B		
deliveryErrorSDU	1010B		
maxSDUSize	200		
maxBitRateUplink	200		32 kbps
maxBitRateDnlink	200		32 kbps
residualBER	10111B		1 x 10E (-5)
sduErrRatio	10100B		1 X 10 E(-4)
transDly	1111111B		Transfer delay will be neglected in case of interactive or background. Hence the value is set to spare
trafficHandpro	111B		This is set to 3, but has to be neglected by the UE as the traffic class is interactive.
bitRateUplink	1100		The gaurented bit rate is not equal to requested bit rate.
bitRateDnlink	1100		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 New Change

Label WA#RRC3165

33	(tcv_CellInfoB => c_CellInfoDiff (tsc_CellB, ((px_PriScrnCode + 50) MOD 512) , tsc_URA_IdCellB, tsc_CRNTI , px_TCellB, tsc_SFN_OffsetB, tcv_FreqInfoMid, ((px_UL_ScramblingCode + 1000) MOD 16777216)))		
34	(tcv_CellInfoB.attenuationLevel = tcv_CellInfoB.powerCPICH + 67)		WA#RRC3165
35	(tcv_CellInfoA.attenuationLevel = tcv_CellInfoA.powerCPICH + 60)		

4.9 tc_8_4_1_3 : It_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 insert second Measurement Report and check that this arrives after 16 seconds before releasing the RRC connection

Source of change New Change

Label WA#RRC3168

24	+ts_RRC_ReceivePhyChResonfCmpl (tsc_CellA, tcv_RRC_RAB_Type)		Step 10 in prose;
25	(tcv_Tolerance = (16 * 1000) / 10)		
26	START_L_WaitMS (16 * 1000 + tcv_Tolerance)		
27	TBF2 ? TIMEOUT_L_WaitMS		(F)
28	TBP2 AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEventCr (5, OMIT, tcv_CellInfoA.priScrnCode, tcv_CellInfoB.priScrnCode, e1a))	Step 11 in prose; first Measurement Report
29	CANCEL_L_WaitMS		
30	START_L_WaitMS (16 * 1000 + tcv_Tolerance)		
31	TBF3 ? TIMEOUT_L_WaitMS		(F)
32	TBP3 AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEventCr (5, OMIT, tcv_CellInfoA.priScrnCode, tcv_CellInfoB.priScrnCode, e1a))	Step 11 in prose; second Measurement Report WA#RRC3168
33	CANCEL_L_WaitMS		
34	TBE (tcv_TestBody = FALSE)		(P)
It_InitVariables			

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 modified SIBs may not be received in-time 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 Anritsu, 12/03/04
Label 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

01 Jan - 31 Dec 2004

CR-Form-v7
CHANGE REQUEST
TS 34.123-3 CR -288 # rev - # Current version: 3.4.0

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RRC test case 8.3.7.3 to RRC ATS V3.4.0		
Source:	# T1		
Work item code:	# N/A	Date:	# 08/03/04
Category:	# B	Release:	# R99
	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 TR 21.900 .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	

Reason for change:	# To add verified GCF package 2 RRC test case 8.3.7.3 to the approved RRC ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 8.3.7.3 required for approval.
Consequences if not approved:	# The Test case will not be added to the ATS

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

How to create CRs using this form:

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

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

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

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 detailed argumentation.

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

Table 1: Example Change Table

TTCN object	<i>tc_8_3_7_3</i>
Reference ATS	<i>RRC_wk10.mp [3]</i>
Change Label	<i>WA#2G3RRC0110</i>
Reason for change	<i><Textual description of change reason>.</i>
Summary of change	<i><Textual description of performed changes></i>
Other affected objects	<i><GOTO fields to other change descriptions> (optional)</i>
ETSI comment	
R&S conclusion	

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

4.3 Modifications 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	

tcv_G_PwrLvl_HO	px	px_PowerLevel	The power level in HandoverCommand WA#2G3RRC0195
-----------------	----	---------------	---

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#2G3RRC0141 or WA#2G3RRC0136 in the ATS provided by ETSI.
Summary of change	Remove the R&S change labels from the comments.
Other affected objects	
ETSI comment	
R&S conclusion	

(example)

Element Name	Element Value	Type Encoding	Comments
freqList	00001010	ISO	
freqListList	0c010c00f70c4d88000000		

4.3.3 c_ExtNeighBCCH_FreqList2terGSM900A

TTCN object	c_ExtNeighBCCH_FreqList2terGSM900A
Reference ATS	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 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	

Structured Type Constraint Declaration		
Constraint Name:	c_ExtNeighBCCH_FreqList2terGSM900A	
Group:		
Type Name:	NeighCellDescr2	
Derivation Path:		
Encoding Variation:		
Comments:	range 512, ARFCN = 520, 590, 800, 700, 790, 810, 870	
Element	Element Value	Comments
b128	1'B	Bit 128, format ID WA#2G3RRC0204
mbmpt	50'B	Multiband reporting
band	5'B	bcch allocation sequence number indication
b121_124	1'001'B	Bit 124 - 121, format ID need WA#2G3RRC0204
rf	54411316BB44C85000000000000000	remaining reference frequency list

4.3.4 c_DCH_576_TFS

TTCN object	c_DCH_576_TFS
Reference ATS	RRC_wk10.mp [3]
Change Label	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 of change	Change the rate matching attribute value in c_DCH_576_TFS from 125 to 145.
Other affected objects	
ETSI comment	
R&S conclusion	

ASN.1 Type Constraint Declaration	
Constraint Name:	t_DCH_576_TFS
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for transport channel used in CreateCell_DCH_57_6kCS_R4E_SRB
Constraint Value	
<pre> 1 TB #120 (TB_Size 576, numberOfTBSizeList { zero : NULL, one : NULL, small : 2, small : 3, small : 4 }, logicalChannelList allSizes : NULL) IS semistaticTF_information { channelCodingType turbo : NULL, rateMatchingAttribute 145, --WA#2G3RRC0216 crl_Size cr16 } } </pre>	
Detailed Comment: TTI = 20 ms; five transport formats: TransportBlocks = 0, TB size = 576 bits; TransportBlock = 1, Size = 576 bits; TransportBlocks = 2, TB size = 576 bits; TransportBlock = 3, Size = 576 bits; TransportBlocks = 4, TB size = 576 bits. coding = turbo; CRCCode = 16; RateMatching = 145	

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.

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

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0195	tcv_G_PwrLvl_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_FreqList2terGSM900A	RRC_wk10.mp [3]
WA#2G3RRC0216	c_DCH_576_TFS	RRC_wk10.mp [3]

CR-Form-v7			
CHANGE REQUEST			
⌘	RRC	CR	03xxxx
ATS34.123-3	289	⌘ rev	1
		⌘	Current version: 3.4.0 ⌘

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

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

Title:	⌘	Introducing package 2 test case 8.3.1.10 required for approval to RRCv340 (revision of T1-031739)
Source:	⌘	Anritsu Ltd
Work item code:	⌘	
		Date: ⌘ 8/03/2004
Category:	⌘	B
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><i>Use <u>one</u> of the following categories:</i></p> <p>F (correction)</p> <p>A (corresponds to a correction in an earlier release)</p> <p>B (addition of feature),</p> <p>C (functional modification of feature)</p> <p>D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p> </div> <div style="width: 45%;"> <p><i>Use <u>one</u> of the following releases:</i></p> <p>2 (GSM Phase 2)</p> <p>R96 (Release 1996)</p> <p>R97 (Release 1997)</p> <p>R98 (Release 1998)</p> <p>R99 (Release 1999)</p> <p>Rel-4 (Release 4)</p> <p>Rel-5 (Release 5)</p> <p>Rel-6 (Release 6)</p> </div> </div>

Reason for change:	⌘	To introduce test case 8.3.1.10 to to RRCv340
Summary of change:	⌘	<p>Apply the changes described in section 2 below to RRC_wk04 in iWD-TVB2003-03_D04wk04.</p> <p>Add tc_8_3_1_10 and all referenced test cases not already present to RRCv340 from the modified RRC_wk04.</p> <p>For more details see below.</p>
Consequences if not approved:	⌘	Test case 8.3.1.10 will not be added

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

How to create CRs using this form:

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

Beijing, China

10 – 14 May 2004

Title	Introducing package 2 test case 8.3.1.10 required for approval to RRCv340
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

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1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ [introduce test case 8.3.1.10](#) 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

2.3.2 Tables added to iWD-TVB2003-03_D04wk04

2.4.2.1 New tables added

None.

3 Tables modified iWD-TVB2003-03_D04wk04

3.1 tc_8_3_1_10

Reason for change

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	1. To confirm that the UE moves to idle mode after the expiry of T307, indicating that it is out of service area when attempting to perform a periodic 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	Verdict	Comment
1		START t_Guard(1200)			@sic Ji CR# T1-sic@
2		[px_RAT=fdd]			FDD spe behavior
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	
		lt_TestBody			
12		+lt_SetQrxlevmin_AndSend			To set rxlev i and SIB
13	TBP1	+ts_RRC_ReceiveCellUpdatePeriod ic (tsc_CellA, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, periodicalCellUpdate), 330000 , 270000)			Step 1c in Sys now set Mins
14		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cds_CellUpdateCnfNewURNTI_DCCH_ URAIId (tcv_CellIndInfo.dl_IntegrityChe ckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_FACH , OMIT, OMIT))		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		START t_WaitMS (115500)			Step 2b Wait fo further + T307 (allow toleran = 0.5(T317) = 11550 @sic Ji CR# T1- sic@
19	TBF1	TM ? RLC_TR_DATA_IND	car_RRC_CellUpdate(tsc_Cella, tsc_RB0, cbr_108_CellUpdate (* , *))	(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	car_RRC_CellUpdate(tsc_Cella, tsc_RB0, cbr_108_CellUpdate (* , *))	(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		(tcv_SIB3.cellSelectReselectInfo. modeSpecificInfo.fdd.q_RxlevMin := -35, tcv_SIB4.cellSelectReselectInfo. modeSpecificInfo.fdd.q_RxlevMin := -35)			Set SIB SIB4 q_rxlev -70 (I Valuse

				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		(tcv_SIB1.ue_ConnTimersAndConst ants.t_305:=m5, tcv_SIB1.ue_ConnTimersAndConsta nts.t_307:=s30, tcv_SIB1.ue_ConnTimersAndConsta nts.t_317:=s180)		Overwit Initili default with th specifi value.

CR-Form-v7			
CHANGE REQUEST			
⌘	RRC	CR	03xxxx
ATS34.123-3	290	⌘ rev	1
		4	⌘ Current version: 3.4.0 ⌘

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

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

Title:	⌘	Introducing package 2 test case 8.3.1.9 required for approval to RRCv340 (revision of T1-031737)	
Source:	⌘	Anritsu Ltd	
Work item code:	⌘		Date: ⌘ 08/03/2004
Category:	⌘	B	Release: ⌘ R99
		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 TR 21.900 .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘	To introduce test case 8.3.1.9 to to RRCv340
Summary of change:	⌘	Apply the changes described in section 2 below to RRC_wk04 in iWD-TVB2003-03_D04wk04. Add tc_8_3_1_9 and all referenced test cases not already present to RRCv340 from the modified RRC_wk04. For more details see below.
Consequences if not approved:	⌘	Test case 8.3.1.9 will not be added

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

How to create CRs using this form:

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

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

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

Beijing, China

10 – 14 May 2004

Title	Introducing package 2 test case 8.3.1.9 required for approval to RRCv340
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1	Overview	4
2	Tables added to iWD-TVB2003-03_D04wk04	4
2.1	New tables added.....	4
3	Tables modified iWD-TVB2003-03_D04wk04	4
3.1	tc_8_3_1_9.....	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 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

2.3.2 Tables added to iWD-TVB2003-03_D04wk04

2.4.2.1 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 Case Name	tc_8_3_1_9
Group	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 confirm that the UE initiates cell updating procedure if it manages to re-enter service area.
Configuration	
Default	RRC_Def1
Comments	@SIC_NAPP
Selection Ref	RRC_FDD_PS
Description	Cell Update: re-entering of service area after T305 expiry and being out of service area

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START t_Guard(1200)			@sic Jitendra (T1-301737 sic@
2		[px_RAT=fdd]			FDD specific behaviour
3		+ts_RRC_InitVariablesPS (cell_FACH)			
4		+lt_InitNewSIB1			Put in effect t New SIB1
5		+pr_GotoState6_11_MO_NewSIB1(tsc_CellA,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	
		lt_TestBody			
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 SII
15		(tcv_TmpAtt := tcv_CellInfoA.attenuationLeve l)			Remember curren attenuator sett
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	+ts_RRC_ReceiveCellUpdateNonP eriodic(tsc_Cella, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, re_enteredServiceArea), (52000))			Step 5. UE send CELL UPDATE with "Cell update ca set to "re-ente service area "
20		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_Cella, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			Reconfigure RLC to allow U-RNTI MAC header befo receiving Cell Update from UE
21		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfDCCH (tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfNewDRX_DC CH(Step 6. SS send CELL UPDATE COM with "Status Indicator" set "cell_PCH" on

			tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_PCH, OMIT, OMIT, 3))		
22		+ts_CMAC_New_RNTI_Reconf (FALSE, tsc_Cella, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			Reconfigure RLC to allow C-RNTI MAC header after sending Cell Update Confirm.
23		+ts_SetAttenuationLevel (tsc_Cella, 20)			Step 7. SS configures its downlink transmission power settings according to in Table 8.3.1
24		t_WaitS (320) START			Step 7; Wait for Minutes and 20 seconds
25	TBP3	TIMEOUT t_WaitS ?		(P)	
26		+ts_SetAttenuationLevel (tsc_Cella, tcv_TmpAtt)			Step 8 . SS configures its downlink transmission power settings according to in Table 8.3.1 before T307 timer expires.
27	TBP4	+ts_RRC_ReceiveCellUpdateNonPeriodic(tsc_Cella, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, re_enteredServiceArea), (52000))			Step 9 UE sends UPDATE with "Cell update cause" and "cell reselect:
28		+ts_CMAC_New_RNTI_Reconf(TRUE, tsc_Cella, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			
29		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfDCCH (tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfNewDRX_DCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_PCH, OMIT, OMIT, 3))		Step 10 SS sends CELL UPDATE COMMAND on DCCH
		lt_SetQrxlevmin_AndSend			
30		(tcv_SIB3.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -35, tcv_SIB4.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -35)			Set SIB3 and SIB4 q_rxlevmin to -35 (IE Value *2 + offset_305)
31		+ts SysInfoModifySIB3 And4 RRC			Steps 1a - 1b

		(tsc_CellA, tcv_SIB3, tcv_SIB4, tsc_Now)			
32		+ts_RRC_Delay(10000)			A delay is required by the UE to receive and acquire the messages SIB 3 & 4
		lt_InitNewSIB1			
33		(tcv_SIB1 := cb_SIB1_Def(tcv_CellInfoA))			Initilise tcv_SIB1 with the SIB1 default.
34		(tcv_SIB1.ue_ConnTimersAndConstants.t_305:=m5, tcv_SIB1.ue_ConnTimersAndConstants.t_307:=s50, tcv_SIB1.ue_ConnTimersAndConstants.t_317:=s600)			Overwrite the Initilised default values with the specific values

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 291 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of NAS test case 10.1.2.1.1 to NAS ATS V3.4.0		
Source:	# Racal Instruments Wireless Solutions, an Aeroflex company		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.1.1 to the approved NAS ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 10.1.2.1.1 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

Clauses affected:	# N/A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	#
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
		Test specifications									
		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.
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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Title: 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	Introduction.....	2
4.2	tc_10_1_2_1_1.....	2
5	Branches executed in test case 10.1.2.1.1.....	3
6	Execution Log Files.....	3
6.1	Qualcomm TM 6200.....	3
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 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_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	TBP	Dc ? RRC_DataInd (tcv_Start => RRC_DataInd.start)	car_InitDirectTransfer (tsc (P) _CellDedicated, tsc_RB3, cd_CM_ServReqMO (?))	4. Step 4
10		+ ts_SS_SecurityDownloadSta rt (cs_domain, tcv_Start)		
11		+ ts_RRC_ConnRel (tsc_Cel lA, cell_Dch)		Step 5
12		+ po_ConnectionAndSS_Rel (tsc_CellA)		

After :

9	TBP	Dc ? RRC_DataInd (tcv_Start => RRC_DataInd.start)	car_InitDirectTransfer (tsc (P) _CellDedicated, tsc_RB3, cd_CM_ServReqMO (?))	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, Cipherring 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

TS 34.123-3 CR 292 # rev - # Current version: **3.4.0**

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of NAS test case 10.1.3.3.2 to NAS ATS V3.4.0		
Source:	# Racal Instruments Wireless Solutions, an Aeroflex company		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.3.3.2 to the approved NAS ATS V3.4.0		
Summary of change:	#		
Consequences if not approved:	# Test case will not be added to ATS		

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

How to create CRs using this form:

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

Title: 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

1	Overview.....	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Branches executed in test case 10.1.3.3.2.....	2
5	Execution Log Files.....	2
5.1	Qualcomm TM 6200.....	2
5.2	Nokia 7600	2
6	References	Error! Bookmark not defined.

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, Cipherring 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.

CR-Form-v7
CHANGE REQUEST
TS 34.123-3 CR 293 # rev - # Current version: 3.4.0

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of NAS test case 10.1.3.3.4 to NAS ATS V3.4.0		
Source:	# Racal Instruments Wireless Solutions, an Aeroflex company		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	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 TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.3.3.4 to the approved NAS ATS V3.4.0
Summary of change:	#
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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Below is a brief summary:

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

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

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.

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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, Cipherring 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-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 294 # rev - #	Current version: 3.4.0 #

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

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

Title:	# Addition of NAS test case 10.1.2.7.3 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.7.3 to the approved NAS ATS V3.4.0
Summary of change:	#
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Approval of test case 10.1.2.7.3
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 10.1.2.7.3 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.

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5.2	Motorola 3G UE A835	2
6	References	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, Cipherring 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-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 295 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of NAS test case 10.1.2.5.2 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.5.2 to the approved NAS ATS V3.4.0		
Summary of change:	#		
Consequences if not approved:	# Test case will not be added to ATS		

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

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

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

Title: 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.

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5.2	Motorola 3G UE A835	2
6	References	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, Cipherring 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

TS 34.123-3 CR 296 # rev - # Current version: **3.4.0**

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.23a.1 to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.23a.1 to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.23a.1 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 14.2.23a.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.

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4.3	c_TFCS_Cmpl0_To3_Tx (WA#RAB4098).....	3
4.4	c_DL_AddReconfTransChInfoListAM_3_4k (WA#RAB4043).....	3
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6.2	Ericsson 3G UE U100	10
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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_Cmpl0_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:	c_TFCS_Cmpl0_To3_Rx
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information with power offset information - for transmitter
	WA#RAB4101
Constraint Value	
<pre> normalTFCS_Signalling: complete { ctkSize ctk:4Brt; (ctk:4 0, powerOffsetInformation OMT); (ctk:4 1, powerOffsetInformation OMT); (ctk:4 2, powerOffsetInformation OMT); (ctk:4 3, powerOffsetInformation OMT); } </pre>	

4.3 c_TFCS_Cmpl0_To3_Tx (WA#RAB4098)

Test step name	c_TFCS_Cmpl0_To3_Tx
Reason for change	Wrong CTFC size (ctfc 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:	c_TFCS_Cmpl0_To3_Tx (p_PowerOffsetInformation : PowerOffsetInformation)
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information with power offset information - for transmitter
	WA#RAB4098
Constraint Value	
<pre> normalTFCS_Signalling: complete { ctkSize ctk:4Brt; (ctk:4 0, powerOffsetInformation c_PowerOffsetInfoComputed); (ctk:4 1, powerOffsetInformation c_PowerOffsetInfoComputed); (ctk:4 2, powerOffsetInformation c_PowerOffsetInfoComputed); (ctk:4 3, powerOffsetInformation p_PowerOffsetInformation); } </pre>	

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) instead of { <ul style="list-style-type: none"> 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

ASN 1 Type Combined Definition	
Constraint Name:	c_DL_AddReconfTransChInfoList (MAM_3_4k_p_CatRanChTFS DedicatedTransChTFS)
Group:	DL_AddReconfTransChInfoList
Type Name:	DL_AddReconfTransChInfoList
Cardinality Path:	
Encoding Value:	
Comments:	@RC_MAPP WA#RAB4043
Constraint Value	
<pre> i i DL_TransportChannelType dch, i DL_SignalingMode mode { b1_DL_DCH1, i DL_SignalingMode mode { config_dedicatedTransChTFS - p_DedicatedTFS, dch_QualityTarget { bler_QualityValue -20 }, dummy OMIT } } i DL_AddReconfTransChInfo (to_DL_DCH, to_UL_DCH) } </pre>	

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 Step ID:	ts_SS_2DCH_ModifyInteractBackg_8k_PS { p_CellId INT32CH, p_ActTime floatTime, p_UL_ConversionInfo UL_ConversionInfo, p_UL_DPDCHInfo UL_DPDCHInfo, p_TransportChInfo_SS ConversionDedicatedPS					
Test Step Group Ref:	RS_ShapesRS_ConfigOrder					
Objective:	to configure physical channel DPCH and coded DPCH and DTCH to the physical channel, then map DTCH-E or to the CCH-E transport channel and map DTCH-subflow to the DCH1 transport channel (required). Used for interaction at background / shutdown UL32 CL33ops_33res TTITE.					
Details:	RRC_Def					
Comments:						
No	Label	Behaviour Description	Constraint Ref	Result	Comment	
1		in_RAT = PS				
2		CPHYCPHY_RL_Mask_REQ	ca_DL_DPCH_MaskInfo {p_CellId, bc, CL_DPCH, p_UL_DPCH_Info {bc, SR1, DL, p_UL_ConversionInfo {bc, TrLogMappingDL_4DCCH_1DTCH}}		1	
3		CPHYCPHY_Tech_Config_CNF	c_UL_TCHConfigType {p_UL_MIMO, c_DCH_148_TFS_DL, p_TrLogMappingDL_2, c_PowerOffsetInfo {bc, p_ActTime}}			
4		CMAC1CMAC_Config_REQ	ca_CMAC1_ConfigInfo {p_CellId, bc, bc, DL_DPCH, c_UL_Info {OMT, OMT}, c_TrLogMappingDL_2, p_UL_ConversionInfo_SS, c_PowerOffsetInfo {bc, c_TrLogMappingDL_4DCCH_1DTCH, PUS, ACTIVE}}		3 WA#RAB4178	
5		CMAC1CMAC_Config_CNF	ca_CMAC1_ConfigInfo {p_CellId, bc, bc, DL_DPCH, c_UL_Info {OMT, OMT}, c_UL_DPCH_Info {bc, ACTIVE}}			
6		CPHYCPHY_RL_Mask_REQ	ca_UL_DPCH_MaskInfo {p_CellId, bc, UL_DPCH, p_UL_DPCH_Info {bc, ACTIVE}}		1	
7		CPHYCPHY_RL_Mask_CNF	ca_UL_MaskInfo {p_CellId, bc, UL_DPCH}			
8		CPHYCPHY_TCH_Config_REQ	ca_UL_DCH_Info {p_CellId, bc, bc, UL_DPCH, c_UL_Info {bc, ACTIVE}}		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

Test Step			
Test Step ID:	ts_SendRB_SetUpDCH_8k_PS (p_CellId: INTEGER; p_RAB_id: BITSTRING; p_ActTime: ActivationTime; p_TransChInfo_UE: DedicatedTransChInfo; p_TransChInfo_BB: CommonOrDedicatedTFB)		
Test Step Group Ref:	RB_StepsRB_Setup		
Objective:			
Default:	RRC_Def1		
Comments:			
L	Behaviour Description	Constraint Ref	Comments
1	+ ts_SetTmpCellInfo (p_CellId)		
2	AM1 RLC_AM_DATA_REQ	<pre> cas_RB_SetUpAM_WithCnf(tst_CellDedicated, tst_RB2, tst_Mu, cs_RRC_RB_SetUp(tv_CellInfo.d_IntegrityCheckInfo, tv_RRC_T1, p_ActTime, cel_DCH, OMIT, cb_RAB_InfoListAM1_No_Pdcp (useT315, p_RAB_id, c_UL_CommTrChInfoAM0To3(PowerOffsetInfoBelow4k), c_UL_AddReconfTransChInfoListAM1 (p_TransChInfo_UE), c_DL_CommTrChInfo_AM_0To3, c_DL_AddReconfTransChInfoListAM_3_4(p_TransChInfo_UE), c_DL_InfoParamPower1, (tv_TmpCellInfo.priScrnCode, tv_BK12 8 tv_TmpCellInfo.d_DPCH_2ndScrnCode), c_DL_CommonInfoParamRB_SetUp(tv_BK128_4), cb_UL_DPCH_Info (tv_BK4, p1, tv_TmpCellInfo.d_ScramblingC ode)) OMIT) </pre>	WA#RAB4261
3	AM ? RLC_AM_DATA_CNF	car_AM_DataReqCnf (tst_CellDedicated, tst_RB2, tv_Mu)	

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 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

ASN.1 Type Constraint Declaration	
Constraint Name	cb_RAB_InfoListAM1_No_Pdcp (p_ReEstTimer: Re_EstablishmentTimer, p_RAB_id: BITSTRING)
Osdu:	
Type Name	RAB_InformationSetupList
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4256 WA#RAB4256
Constraint Value	
<pre> d_TransportChannelType dch: tsc_DL_DCH1, logicalChannelIdentity OMIT --RB_MappingInfo ul_LogicalChannelMappings oneLogicalChannel { --UL_LogicalChannelMapping, ul_TransportChannelType rach: NULL, logicalChannelIdentity tsc_UL_DTCH1, rlc_SizeList explicitList: ({ rlc_SizeIndex 2 }), mac_LogicalChannelPriority 8 }, d_LogicalChannelMappingList {} d_TransportChannelType fach: NULL, logicalChannelIdentity tsc_DL_DTCH1 } } </pre>	

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

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

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_UL_AM_RLC_rst4_tp200
Onmap:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4252
Constraint Value	
<pre> transmissionRLC_Discard noDiscard : set15, transmissionWindowSize bw128, timerRST tr500, max_RST rst4, pollingInfo { timerPolProhibit tps200, timerPol tp200} poll_PDU OMIT, poll_BDU set1, lastTransmissionPDU_Poll TRUE, lastRetransmissionPDU_Poll TRUE, pollWindow pw18, timerPolPeriodic OMIT } </pre>	

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:	_DL_InformationPerRL (p_ScrambCode: PrimaryScramblingCode, p_SF_SF512_AncCodeNumber, p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variants:	
Comments:	WARRAB403D
Constraint Value	
<pre> // modeSpecificInfo fdd : primaryCPICH_Info (primaryScramblingCode p_ScrambCode), pdsch_SHO_DCH_Info OMIT, pdsch_CodeMapping OMIT dl_DPCH_InfoPerRL fdd : pCPICH_UsageForChannelEst mayBeUsed, dpch_FrameOffset (((sf_DefaultDPCH_OffsetValue*512) MOD 38400) / 256), -- DPCH-FrameOffset = DefaultDPCH-OffsetValue FDD MOD 38400 -- Actual value DPCH-FrameOffset = IE value * 256 -- Actual value DefaultDPCH-OffsetValue FDD = IE value * 512 secondaryCPICH_Info OMIT, dl_ChannelisationCodeList (secondaryScramblingCode p_SecondaryScramblingCode, sf_AncCodeNumber p_SF, scramblingCodeChange noCodeChange) tpc_CombinationIndex tpc_TPC_CombinationIndex, ssdl_CellIdentity OMIT, closedLoopTimingAdModo OMIT scpcch_InfoForFACH OMIT // </pre>	
Detailed Comment:	

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, Cipherring 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	
<h2 style="margin: 0;">CHANGE REQUEST</h2>	
# TS 34.123-3 CR 297 # rev - #	Current version: 3.4.0 #

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

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

Title:	# Addition of RAB test case 14.2.23b to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.23b to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.23b required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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
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) instead 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

ASN 1 Type COMBINE Definition	
Component Name:	c_DL_AddReconfTransChnlListMM_3_A_p_CnfTrnChTFS.DedicatedTransChTFS
Group:	
Type Name:	DL_AddReconfTransChnlList
Component Path:	
Encoding Variable:	
Comments:	@GC_MAPP
	WA#RAB4043
Content Value	
<pre> 1) dl_TransportChannelType dch, dl_SignalingMode sml, bl_SignalingMode sml, dch_QualityTarget (sml_QualityValue -20), dummy OMIT 2) c_DL_AddReconfTransChnl (sml_DL_DCH4, sml_DL_DCH5) </pre>	

12	CPHY?CPHY_TtCH_Config_CNF	(f80) p_ActTime)	ca_TrChCfgConf_Cell, tsc_UL_DPCH)	
13	CMAC?CMAC_Config_REQ	ca_CMACEReconfInfo (tsc_CellDedicated, tsc_UL_DPCH, c_UERInfo (OMIT, OMIT), c_TrChInfo_UL_2_STo5 (c_DCH_14B_TFS_UL, c_DCH_57B_TFS_3 (100)), c_TrLogMappingUL_4DCCH_1DTCH p_ActTime)	ca_CMACECfgConf (tsc_CellDedicated, tsc_UL_DPCH)	WA#RAB4179
14	CMAC?CMAC_Config_CNF			

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

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

ASN.1 Type Constraint Declaration	
Constraint Name	cb_RAB_InfoListAM1_No_Pdcp (p_ReEstTimer, Re_EstablishmentTimer, p_RAB_Id BITSTRING)
Group	
Type Name	RAB_InformationSetupList
Derivation Path	
Encoding Variation	
Comments	WA#RAB4256 WA#RAB4036
Constraint Value	
<pre> d_TransportChannelType dch: tsc_DL_DCH1, logicalChannelIdentity OMIT } } { --RB_MappingInfo ul_LogicalChannelMappings oneLogicalChannel { --UL_LogicalChannelMapping, ul_TransportChannelType rach: NULL, logicalChannelIdentity tsc_UL_DTCH1, rlc_SizeList explicitList: { { rlc_SizeIndex 2} }, mac_LogicalChannelPriority 8 }, d_LogicalChannelMappingList {} d_TransportChannelType fach: NULL, logicalChannelIdentity tsc_DL_DTCH1 } } } </pre>	

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

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

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_UL_AM_RLC_rst4_tp200
Onmap:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4252

Constraint Value
<pre>{ transmissionRLC_Discard noDiscard : set15, transmissionWindowSize bw128, timerRST tr500, max_RST rst4, pollingInfo { timerPolProhibit tps200, timerPol tp200 } pol_PDU OMIT, pol_BDU sdu1, lastTransmissionPDU_Poll TRUE, lastRetransmissionPDU_Poll TRUE, polWindow pw18, timerPolPeriodic OMIT }</pre>

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

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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 298 # rev - #	Current version: 3.4.0 #

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

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

Title:	# Addition of RAB test case 14.2.23c to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.23c to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.23c required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 14.2.23c 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
}

```

Source of change New Change

Label WA#RAB4043

ASN 1 Type Constraint Declaration	
Constraint Name:	i_DL_AbsReconfTransCntrlListMM_3_A_2_CntrlTransCTFS_CntrlTransCTFS
Group:	
Type Name:	DL_AbsReconfTransCntrlList
Derivation Path:	
Encoding Variation:	
Comments:	@CTC_MAPP WA#RAB4043
Constraint Value	
<pre> 1) dl_TransportChannelType dch, dl_SignalingMode mode, dl_SignalingMode config, dl_QualityTarget { bler_QualityValue -20 }, dummy OMIT 2) i_DL_AbsReconfTransCntrl (for_DL_DCH4, for_DL_DCH4) </pre>	

4.3 c_TFCS_Cmpl0_To9_Rx (WA#RAB4104)

Test step name c_TFCS_Cmpl0_To9_Rx

Reason for change Wrong CTFC size (ctfc 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

ASN 1 Type Constraint Declaration	
Constraint Name:	i_TFCS_Cmpl0_To9_Rx
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information without power offset information - for receiver WA#RAB4104
Constraint Value	
<pre> normalTFCS_Signaling complete: ctfcSize ctfc4Bt { ctfc 0, powerOffsetInformation OMIT } { ctfc 1, powerOffsetInformation OMIT } { ctfc 2, powerOffsetInformation OMIT } { ctfc 3, powerOffsetInformation OMIT } { ctfc 4, powerOffsetInformation OMIT } } </pre>	

```

|
| cfi4 5,
| powerOffsetInformation OMT
|
|
| cfi4 6,
| powerOffsetInformation OMT
|
|
| cfi4 7,
| powerOffsetInformation OMT
|
|
| cfi4 8,
| powerOffsetInformation OMT
|
|
| cfi4 9,
| powerOffsetInformation OMT
|
|
|
|
}

```

[Detailed Comment](#)

4.4 c_TFCS_Cmpl0_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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_TFCS_Cmpl0_To9_Tx (p_PowerOffsetInformation - PowerOffsetInformation)
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variations:	
Comments:	TFCS information with power offset information - for transmitter
	WA#RAB4105
Constraint Value	
<pre> normal(TFCS_Signalling: complete) cfiSize cfi48bit cfi4 0, powerOffsetInformation c_PowerOffsetInfo Computed cfi4 1, powerOffsetInformation c_PowerOffsetInfo Computed cfi4 2, powerOffsetInformation c_PowerOffsetInfo Computed cfi4 3, powerOffsetInformation c_PowerOffsetInfo Computed cfi4 4, powerOffsetInformation c_PowerOffsetInfo Computed cfi4 5, powerOffsetInformation c_PowerOffsetInfo Computed } </pre>	

```

}
cfl:4 8,
powerOffsetInformation c_PowerOffsetInfoComputed
}
}
cfl:4 7,
powerOffsetInformation c_PowerOffsetInfoComputed
}
}
cfl:4 9,
powerOffsetInformation c_PowerOffsetInfoComputed
}
}
cfl:4 9,
powerOffsetInformation p_PowerOffsetInformation
}
}
}
}
}
}

```

[Detailed Comment](#)

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

Test Step				
Test Step Id:	ts_SendRB_SetUpDCH_32k_PS1 (p_CellId: INTEGER; p_RAB_Id: BITSTRING; p_ActTime: ActivationTime)			
Test Step Group Ref:	NewTestSteps/			
Objective:				
Defaults:	RRC_Def1			
Comments:				
L	Behaviour Description	Constraint Ref	Comments	
1	+ ts_SetTmpCellInfo (p_CellId)			
2	AM1 RLC_AM_DATA_REQ	cas_RS_SetUpAM_WithCnf (tsr_CellDedicated, tsr_RS2, tsr_Mu, cs_RRC_RB_SetUp (tsr_CellInfo.d_IntegrityCheckInfo, tsr_RRC_TI, p_ActTime, cell_DCH, OMIT, cb_RAB_InfoListAM1_No_Pdca (useT315, p_RAB_Id), e_UL_CommTrChInfo_AM1ToBic_PowerOffsetInfoBelow64k), e_UL_AddReconfTransChInfoListAM1 (c_DCH_32k_TFS_40_TC_UE), c_DL_CommonTransChInfo_AM_0_9), e_DL_AddReconfTransChInfoListAM_3_4(c_DCH_32k_TFS_40_TC_UE), e_DL_InformationPerRL (tsr_TmpCellInfo.priScrmCode, tsr_Sk64, tsr_TmpCellInfo.sl_DPCH_3rdSecCode), e_DL_CommonInformationRB_SetUp(tsr_Sk64), cb_UL_DPCH_Info (tsr_RS2, pl0_88, tsr_TmpCellInfo.ul_ScramblingCode)) OMIT } }	WA#RAB4210 WA#RAB4283	
3	AM? RLC_AM_DATA_CNF	car_AM_DataMuCnf (tsr_CellDedicated, tsr_RS2, tsr_Mu)		
4	+ts_SS_2DCH_MsdryIntencBackg_32k_PS1 (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp (tsr_Sk64), cb_UL_DPCH_Info (tsr_RS2, pl0_88, tsr_TmpCellInfo.ul_ScramblingCode))		WA#RAB4210	
5	+ts_SS_RB20_AM_PS_Cfg (320)			
6	TSP + ts_RRC_ReceiveRB_SetupCmpl (p_CellId, cell_DCH_64kPS_RB_B)			

[Detailed Comment](#)

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_RB_DefPS instead of tcv_RB_Id
Source of change	New Change
Label	WA#RAB4268

Test Step			
Test Step Id:	ts_RB_SetUpRAB_PS (p_CellId: INTEGER, p_RB_Type: RB_Type)		
Test Step Group Ref:	RB_Steps/RB_Configuration/		
Objective:	To setup a RADIO BEARER for the configuration given in p_RB_Type and to reconfigure the BB accordingly.		
Defaults:	RRC_Def1		
Comments:			
Nr	Label	Behaviour Description	Comments
1		+ ts_CalculateActTime (p_CellId)	
87		if (p_RB_Type = interact_384k_2048k_20) OR (p_RB_Type = backgrnd_384k_2048k_20)	
88		+ ts_SendRB_SetUpDCH_384k_2048kPS_20 (p_CellId, tsc_RB_DefPS, tcv_ActTime)	
89		+ ts_SetCellCfg (p_CellId, cell_DCH_84kPS_RAB_SRB)	
90		if (p_RB_Type = interact_32k_TC_40) OR (p_RB_Type = backgrnd_32k_TC_40)	
91		+ ts_SendRB_SetUpDCH_32k_PS1 (p_CellId, tsc_RB_DefPS, tcv_ActTime)	WA#RAB4268
92		+ ts_SetCellCfg (p_CellId, cell_DCH_84kPS_RAB_SRB)	
93		if (p_RB_Type = interact_8k_CC_40) OR (p_RB_Type = backgrnd_8k_CC_40)	14.3.33at
94		+ ts_SendRB_SetUpDCH_8k_PS (p_CellId, tsc_RB_DefPS, tcv_ActTime, c_DCH_336_TFS_23_UL_40_CC_UL, c_DCH_336_TFS_23_DL_40_CC)	
95		+ ts_SetCellCfg (p_CellId, cell_DCH_84kPS_RAB_SRB)	

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 be numberOfTbSizeList { 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

Test Step					
Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_32k_PS (p_CellId: INTEGER, p_ActTime: tcv_ActTime, p_SS_ConvInformation: SS_ConvInformation, p_UL_DPDCH_Info: UL_DPDCH_Info)				
Test Step Group Ref:	SSM/SS_Config/SS_Steps/				
Objective:	To configure physical channel DPDCH and control DCH and DCHS to the physical channel, then map DCHS-4 on to the DCHS bandwidth channel and map DPDCHs and PSF to the DCH. Map control channels. Used for interactive or background / voiceover. UL-32 DL-32bps, 23ms FDD.				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Condition Ref	Value	Comments
1		for SS = int			
2		CFRRCPWr_RL_Insta_REQ		cs_DL_DPDCH_InstaReq (p_CellId, SS_ConvInformation, UL_DPDCH_Info, DL_DPDCH_Info, tcv_ActTime)	

3		CPHY?CPHY_RL_Modify_CNF	Information, kv_TmpCellInfo_d_D PCH_2ndScrCode(p_ActTime) ca_RL_ModifyCnfg_CellId, tsc_D L_DPCH1)	
4		CPHY?CPHY_TrCH_Config_REQ	ca_2_DCH_0_To9_DL_Info (p_C ellId, tsc_DL_DPCH1, c_TrCHCo nfigTypeDCH_NoSHD, c_DCH_1 48_TFS_DL, c_DCH_336_TFS_4 0_TC, c_PowerOffSetInfoBelow64 k, p_ActTime)	W#RAB4212
5		CPHY?CPHY_TrCH_Config_CNF	ca_TrCHCnfgCellId, 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

Test Step					
Test Step ID:	ts_SS_2DCH_ModifyInteractBackg_32k_PS()				
Test Step Group Name:	ts_SS_2DCH_ModifyInteractBackg_32k_PS				
Test Step Description:	To configure physical channel DPCH and control DCH1 and DCH5 to the physical channel, then map DCH1-4 on to the DCH5 transport channel and map DTCH to all 4 on to the DCH1 transport channel				
Default:	RRR_Default				
Comments:					
No	Label	Behavior Description	Called By	W#R#I	Comments
1		for 32k = 144			
2		CPHY?CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo_CellId, tsc DL_DPCH1, t_DL_DPCH_Info (tsc_SRS)		
5		CPHY?CPHY_TrCH_Config_CNF	ca_TrCHCnfgCellId, tsc_DL DPCH1)		
6		CMAC?CMAC_Config_REQ	ca_CMAC_ReconfigInfo (tsc_Cell Dedicated, tsc_DL_DPCH1, c_U E_Info (OMIT, OMT), c_TrCHInfo _DL_2_6Tas (c_DCH_148_TFS _DL, c_DCH_336_TFS_40_TC, c _PowerOffSetInfoBelow64k), c_Tr LogMappingDL_4DCCH_1DTCH _PS, p_ActTime)	W#RAB4212	
7		CMAC?CMAC_Config_CNF	ca_CMAC_CnfgCnfgCellDedicat ed, tsc_CellDedicat		

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

Test Step			
Test Step ID:	ts_SendRB_SetupDCH_336_P81 (p_CellId: INTEGER, p_RAB_Id: BITSTRING0; p_ActTime: ActivationTime)		
Test Step Group Ref:	NewTestSteps/		
Objective:			
Defaults:	RRC_Def1		
Comments:			
L	Behavior Description	Constraint Ref	Comments
1	+ts_SetTmpCellInfo (p_CellId)		
2	AM1 RLC_AM_DATA_REQ	<pre> cb_RAB_InfoListAM1_No_Pdcp (useT315, p_RAB_Id, i_UL_ConnTrfChInfo_AM0To9(i_PowerOffsetInfoBelow64), i_UL_AddReconfTranChInfoListAM1 (i_DCH_336_TFS_40_TC_UE), c_DL_CommonTranChInfo_AM_0_9, c_DL_AddReconfTranChInfoListAM_3_4(i_DCH_336_TFS_40_TC_UE), i_DL_InformationPerRLC (sv_TmpCellInfo.prlcMCode, tsc_Sb64, sv_TmpCellInfo.dl_DPCH_3rdScrCode), c_DL_CommonInformationRB_SetUp (tsc_Sb64), cb_UL_DPCH_Info (tsc_Sb64.p0_B0, sv_TmpCellInfo.ul_3rdScrCode)) OMIT } </pre>	<p>WA#RAB4210</p> <p>WA#RAB4263</p>

4.10 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

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_RAB_InfoListAM1_No_Pdcp (p_ReEstTimer: Re_EstablishmentTimer, p_RAB_Id: BITSTRING0)
Group:	
Type Name:	RAB_InformationSetupList
Derivation Path:	
Encoding Variation:	
Comments:	<p>WA#RAB4256</p> <p>WA#RAB4036</p>
Constraint Value	

4.12 c_RLC_InfoAM_Def_PS (WA#RAB4253)

Test step name 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 Change

Label WA#RAB4253

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RLC_InfoAM_Def_PS
Group:	
Type Name:	RLC_Info
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4253

Constraint Value	
u_RLC_Mode	u_AM_RLC_Mode : is_UL_AM_RLC_rst4_tp200
dl_RLC_Mode	dl_AM_RLC_Mode : cb_DL_AM_RLC

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_AM_RLC_rst_tp200
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variations:	
Comments:	WARRAB4262
Constraint Value	
<pre> TransmissionRLC_Discard noDiscard : 6M15, TransmissionWindowSize bw128, TimerRST t500, max_RST rst4, pollingInfo (timerPolProhibit tpa200, timerPol tp200) poll_PDU OMIT, poll_SDU sdu1, lastTransmissionPDU_Poll TRUE, lastRetransmissionPDU_Poll TRUE, pollWindow pwidR, timerPolPeriodic OMIT </pre>	

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:	c_DL_InformationPerRL (p_ScrambCode: PrimaryScramblingCode, p_SF_SF512_AncCodeNumber, p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variations:	
Comments:	WARRAB4090
Constraint Value	
<pre> !! modeSpecificInfo fdd : primaryCPICH_Info (primaryScramblingCode p_ScrambCode), pdSCH_SHO_DCH_Info OMIT, pdSCH_CodeMapping OMIT !, dl_DPCH_InfoPerRL fdd : pCPICH_UsageForChannelEst mayBeUsed, dpch_FrameOffset !! ((sc_DefaultDPCH_OffsetValue*512) MOD 38400) (256), - DPCH-FrameOffset= DefaultDPCH-OffsetValueFDD MOD 38400 - Actual value DPCH-FrameOffset = IE value * 156 - Actual value DefaultDPCH-OffsetValueFDD = IE value * 512 secondaryCPICH_Info OMIT, dl_ChannelizationCodeList !! secondaryScramblingCode p_SecondaryScramblingCode, sf_AncCodeNumber p_SF, scramblingCodeChange noCodeChange !! tpc_CombinationIndex tpc_TPC_CombinationIndex, ssd1_CellIdentity OMIT, closedLoopTimingAdvMode OMIT !, accpch_InfoForFACH OMIT !! </pre>	
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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 299 # rev - #	Current version: 3.4.0 #

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.14.1 to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.14.1 to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.14.1 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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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#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#RAB4185, WA#RAB4187, WA#RAB4188, WA#RAB4189, 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_Cmpl0_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:	c_TFCS_CrsplB_Ta3_Rb
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variations:	
Comments:	TFCS information with power offset information - for transmitter
	WA#RAB4101
Constraint Value	
<pre> formatTFCS_Signaling: consistsOf (ctkSize ctk4Brt({ ctk4 0, powerOffsetInformation CMT }, { ctk4 1, powerOffsetInformation CMT }, { ctk4 2, powerOffsetInformation CMT }, { ctk4 3, powerOffsetInformation CMT })) </pre>	

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_640_TFS_20_1_UE_WA
Group:	
Type Name:	DedicatedTransChTFS
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4121
Constraint Value	
<pre> { rlcSize { rlc_Size octetModeType1 : sizeType2 : (part1 11, part2 2), numberOfTbSizeList { zero : NULL, one : NULL }, logicalChannelList allSizes : NULL } } semiStaticTF_Information { channelCodingType b180 : NULL, rateMatchingAttribute 187, rlc_Size crc16 } } </pre>	

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

Test Step					
Test Step Id:	ts_SendRB_SetUpConnUnknown_32k_20TTI (p_CellId: INTEGER, p_RAB_Is: BITSTRING, p_ActTime: ActivationTime)				
Test Step Group Ref:	RB_StepsRB_Setup				
Objective:	To setup a RADIO BEARER for conversational 32k with TTI 20 and to reconfigure the SS accordingly				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTempCellInfo (p_CellId)			
2		AM I RLC_AM_DATA_REQ	cas_RB_SetupAM_WithCnf (ts_CellDedicated, ts_RB2, ts_Mul, ca_RRC_RB_Setup(ts_CellInfo.dl_integrityCheckInfo, ts_v_RRC_TL, s_ActTime, cell_DCH_OMIT, c_RAD_infoListTM_1(c_ReEstTimerT314, s_RAB_16, c_UL_CommonTFCInfoTM_D_ToJ, c_UL_AddReconfTransChnInfoListTM_1(c_DCH_64Q_TFS_20_t_UE_VA, c_DL_CommonTransChnInfoSameAsUL, c_DL_AddReconfTransChnInfoListTM_1, c_DL_informationParRL (ts_TempCellInfo.priBumCode, ts_Sf34 (ts_TempCellInfo.tl_DPCH_2ndScrCode), c_DL_CommonInformationRB_Setup (ts_Sf64), cb_UL_DPCH_info (ts_Sf32, p0_80, ts_TmpCellInfo.ul_ScramblingCode), c_DCH_64Q_TFS_20_t_UE_VA, c_DCH_64Q_TFS_20_t_VA, ts_Sf64), OMIT))		ts_SpdFct + ts_PwrLimit = > values ? same for uplink and downlink ? FreqInfo ?
3		AM T RLC_AM_DATA_CNF	car_AM_DataMuxCnf (ts_CellDedicated, ts_RB2, ts_Mul)		
4		+ ts_2DCH_ModifyConnUnknown (p_CellId, p_ActTime, c_DL_CommonInformationRB_Setup (ts_Sf64), cb_UL_DPCH_info (ts_Sf32, p0_80, ts_TmpCellInfo.ul_ScramblingCode), c_DCH_64Q_TFS_20_t_UE_VA, c_DCH_64Q_TFS_20_t_VA, ts_Sf64)			WA#RAB4121 WA#RAB4165
5		+ts_SS_RB16_TM_Cfg (64Q)			
6	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId, cell_DCH_64QCS_RAB_SRB)			

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_640_TFS_20_1_WA
Onsup:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for RAB subflow#1 on dedicated channel WA#RAB4165
Constraint Value	
<pre> 1 #000 { { tb_Size 640, numberOfTbSizeList { zero : NULL, one : NULL }, logicalChannelList allSizes : NULL }} 1} semiStructInformation { channelCodingType turbo : NULL, rateMatchingAttribute 107, enc_Size crc16 } } </pre>	

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

Test Step					
Test Step IE:	ts_SendRB_SetUpConvUnknown_32k_20TTI (p_Cellid: INTEGER, p_RAB_Inf: BITSTRING, p_ActTime: ActivationTime)				
Test Step Group Ref:	RB_StepsRB_Setup				
Objective:	To setup a RADIO BEARER for conversational 32k with TTI 20 and to reconfigure the QoS accordingly				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+to_RoTrrsPathInfo (A, 0, 0, 0)			
3		AMFRLC_AM_DATA_CNF	car_AM_DataMuxCnf@cc_CellDedicated, tsc_RB2, tsc_Mu0		
4		+ts_2DCH_ModifyConvUnknown (p_Cellid, p_ActTime, c_DL_CommonInformationRB_Setup (tsc_Sf064), rb_UL_DPCH_Info (tsc_SF32, p0_RB, tsc_TmpCellInfo.sL_ScramblingCode), c_DCH_640_TFS_20_1_UE_WA, c_DCH_640_TFS_20_1_WA, tsc_Bfc64)			WA#RAB4121 WA#RAB4165
5		+ts_BB_RB1E_TM_Cfg (640)			
6	TSP	+ts_RRC_ReceiveRB_SetupCmpl (p_Cellid, tsc_DCH_640C8_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 (ctfc 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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_CommTrChInfoTM_0_To3
Group:	
Type Name:	UL_CommonTransChInfo
Derivation Path:	
Encoding Variation:	
Comments:	<p>WA#RAB4128</p> <p>WA#RAB4269</p>
Constraint Value	
<pre> tfc_Subset OMIT, prach_TFCS OMIT, modeSpecificInfo field ul_TFCS normalTFC_Signaling complete (cfiSize cfi4Bit { cfi4 0, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 1, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 2, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 3, powerOffsetInformation c_PowerOffsetInfoBelow4k } } </pre>	
Detailed Comment	

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	<p>Used tfc_Subset OMIT instead of</p> <pre> tfc_Subset allowedTFC_List :{ 0,1, 2, 3,4, 5 } </pre>
Source of change	New Change
Label	WA#RAB4269

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_CommTrChInfoTM_0_To3
Group:	
Type Name:	UL_CommonTransChInfo
Derivation Path:	
Encoding Variation:	
Comments:	<p>WA#RAB4128</p> <p>WA#RAB4269</p>

Constraint Value
<pre> // Subset OMT, prach_TFCS OMT, modeSpecificInfo fdd { ul_TFCS normalTFCL_Signaling complete { cfiSize cfi4Bk { cfi4 0, powerOffsetInformation c_PowerOffsetInfoComputed } cfi4 1, powerOffsetInformation c_PowerOffsetInfoComputed } cfi4 2, powerOffsetInformation c_PowerOffsetInfoComputed } cfi4 3, powerOffsetInformation c_PowerOffsetInfoBelow4k } } } } </pre>
Detailed Comment

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

ASN.1 Type Constraint Declaration
<p>Constraint Name: c_DL_InformationPerRL (p_ScrambCode, PrimaryScramblingCode, p_St 8F512_AncCodeNumber, p_SecondaryScramblingCode : SecondaryScramblingCode)</p> <p>Group:</p> <p>Type Name: DL_InformationPerRL_List</p> <p>Derivation Path:</p> <p>Encoding Variants:</p> <p>Comments: WA#RAB4090</p>
<pre> // modeSpecificInfo fdd { primaryCPICH_Info { primaryScramblingCode p_ScrambCode }, pdSCH_SHO_DCH_Info OMIT, pdSCH_CodeMapping OMIT }, dl_DPCH_InfoPerRL fdd { pCPICH_UsageForChannelEstimateUsed, dpch_FrameOffset { ((((DefaultDPCH_OffsetValue * 512) MOD 38400) / 256), - DPCH-FrameOffset = DefaultDPCH-OffsetValueFDD MOD 38400 - Actual value DPCH-FrameOffset = IE value * 256 - Actual value DefaultDPCH-OffsetValueFDD = IE value * 512 }, secondaryCPICH_Info OMIT, dl_ChannelizationCodeList { secondaryScramblingCode p_SecondaryScramblingCode, st_AncCodeNumber p_St, scramblingCodeChange noCodeChange } }, tpc_CombinationIndex tpc_TPC_CombinationIndex, ssd_CellIdentity OMIT, closedLoopTimingAdjustMode OMIT }, accpch_InfoForFACH OMIT } </pre>
Detailed Comment

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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 300 # rev - #	Current version: 3.4.0 #

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.14.2 to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.14.2 to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.14.2 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

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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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4.8	c_UL_CommTrChInfoTM_0_To3 (WA#RAB4269)	6
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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#RAB4183, WA#RAB4184, 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_Cmpl0_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:	c_TFCS_CompB_Ta3_Rx
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information with power offset information - for transmitter
	WA#RAB4101
Constraint Value	
<pre>formatTFCS_Signaling: constrIdc { ctkSize ctk:48rt; { ctk:4 0, powerOffsetInformation OMT }; { ctk:4 1, powerOffsetInformation OMT }; { ctk:4 2, powerOffsetInformation OMT }; { ctk:4 3, powerOffsetInformation OMT }; } </pre>	

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:	c_DCH_640_TFS_40_2_WA
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for RAB subflow#1 on dedicated channel
	WA#RAB4108
Constraint Value	
<pre> c_DCH_640 { ts_Size 640, numberOfTbSizeList { zero : NULL, small : 2 }, logicalChannelList allSize : NULL } semistaticTF_Information { channelCodingType turbo: NULL, rateMatchingAttribute 187, crc_Size var16 } </pre>	

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

Test Step					
Test Step Id:	ts_SendRB_SetUpConUnknown_32k_40TTI (p_CellId: INTEGER, p_RAB_Id: BITSTRING, p_ActTime: ActivationTime)				
Test Step Group Ref:	RB_StepsRB_Setup				
Objective:	To setup a RADIO BEARER for conversational 32k with TTI 40 and to reconfigure the BS accordingly				
Default:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
3		AMFRLC_AM_DATA_CNF	,UMI1)) cat_AM_DataMuxCnf(psc_CellDe dicated,tsc_RB2,tsc_Mu)		
4		+ts_2DCH_ModifyConUnknown (p_C ellId, p_ActTime, c_DL_Composi tionRB_SetUp (tsc_Sb64), cb_UL_DP CH_Info (tsc_Sb2, p0_00, tsc_Cell Info.sL_ScramblingCode), c_DCH_640 _TFS_40_2_UE_WA, c_DCH_640_TFS _40_2_WA, tsc_Sb64)			WAFRAB4122 WAFRAB4108
5		+ts_BB_RB10_TM_Cfg (640)			
6	TSP	+ts_RRC_ReceiveRB_SetupCmp1 (p CellId, tsc_DCH_640CS_RAB_6RB)			
Detailed Comment					

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	
Constraint Name:	c_DCH_640_TFS_40_2_UE_WA
Group:	
Type Name:	DedicatedTransChTFS
Derivation Path:	
Encoding Variation:	
Comments:	WAFRAB4122
Constraint Value	
<pre> { #140 {} { rrc_Size ocdetModeType1 : sizeType2 (part1 11, part2 2), numberOfTsSizeList {bars : NULL, small : 2}, logicalChannelList allSizes : NULL } } semantics { channelCodingType {bars : NULL, rateMatchingAttribute 187, rrc_Size crc10 } } </pre>	

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

Test Step					
Test Step Id:	ts_SendRB_SetUpConvUnknown_32k_40TTI (p_CellId: INTEGER, p_RAB_Id: BITSTRING, p_ActTime: ActivationTime)				
Test Step Group Ref:	RB_Steps/RB_Setup				
Objective:	To setup a RADIO BEARER for conversational 32k with TTI 40 and to reconfigure the BS accordingly				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ts_SetTmpCellInfo (p_CellId)			
2		AM ? RLC_AM_DATA_REQ	car_RB_SetupAM_WithCntrl tsc_CelDedicated, tsc_RB2, tsc_Mu, cs_RRC_RB_SetUp(tsc_CelInfo, ul_IntegrityCheckInfo, tsc_V_RRC_TI, p_ActTime, cell_DCH, QMT, c_RAB_InfoListTM1_Seg_False (c_ResEstTimerT314, p_RAB_Id, c_UL_CommTrChInfoTM_0_To3, c_UL_AddReconfTransChInfoListTM_1 (c_DCH_640_TFS_40_2_UE_WA, c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM_1, c_DL_InformationPerRL (tsc_TmpCellInfo.pScramCode, tsc_SIB4, tsc_TmpCellInfo.d_DPCH_2ndScrCode), c_DL_CommonInformationRB_SetUp (tsc_SIB4, cb_UL_DPCH_Info (tsc_SIB2, p0_60, tsc_TmpCellInfo.ul_ScramblingCode) , QMT))		trv_BandFid + trv_PuncLimit = values ? same for uplink and downlink ? F reqinfo ? WA#RAB4122
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMtuCnf (tsc_CelDedicated, tsc_RB2, tsc_Mu)		
4		+ts_2DCH_ModifyConvUnknown (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp (tsc_SIB4), cb_UL_DPCH_Info (tsc_SIB2, p0_60, tsc_TmpCellInfo.ul_ScramblingCode), c_DCH_640_TFS_40_2_UE_WA, c_DCH_640_TFS_40_2_WA, tsc_SIB4)			WA#RAB4122 WA#RAB4108
5		+ts_SS_RB10_TM_Cfg (640)			
6	TSP	+ts_RRC_ReceiveRB_SetupCntrl (p_CellId, cell_DCH_640CB_RAB_SRS)			
Detailed Comment:					

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_CommTrChInfoTM_0_To3
Group:	
Type Name:	UL_CommonTransChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4128 WA#RAB4128
Constraint Value	
<pre> tfc_Subset OMIT, prach_TFCs OMIT, modeSpecificInfo list { ul_TFCs normalTFC_Signaling complete { cftcSize cftc4Bis { cftc4 0, powerOffsetInformation c_PowerOffsetInfoComputed } cftc4 1, powerOffsetInformation c_PowerOffsetInfoComputed } cftc4 2, powerOffsetInformation c_PowerOffsetInfoComputed } cftc4 3, powerOffsetInformation c_PowerOffsetInfoBelow4k } } } </pre>	
Detailed Comment	

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_CommonTransChInfoTM_0_Ta3
Onsup:	
Type Name:	UL_CommonTransChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4128 WA#RAB4269
Constraint Value	
<pre> { ff_Subset OMIT, srach_TFCS OMIT, modeSpecificInfo field ul_TFCS normalTFCS_Signaling complete (cfiSize cfi4Bit { cfi4 0, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 1, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 2, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 3, powerOffsetInformation c_PowerOffsetInfoReserved } } } </pre>	
Detailed Comment	

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

ASN 1 Type Constraint Declaration	
Constraint Name:	DL_InformationPerRL (p_ScrambCode: PrimaryScramblingCode, p_SF_SF512_AndCodeNumber: p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variants:	
Comments:	WARRAB403D
Constraint Value	
<pre> // modeSpecificInfo ldd { primaryCPICH_Info (primaryScramblingCode p_ScrambCode), pdsch_SHO_DCH_Info OMIT, pdsch_CodeMapping OMIT } // dl_DPCH_InfoPerRL ldd { pCPICH_UsageForChannelEst mayBeUsed, dpch_FrameOffset { (s+ DefaultDPCH_OffsetValue*512) MOD 38400 (256), - DPCH-FrameOffset= DefaultDPCH_OffsetValueFDD MOD 38400 - Actual value DPCH-FrameOffset= IE value * 256 - Actual value DefaultDPCH_OffsetValueFDD = IE value * 512 secondaryCPICH_Info OMIT, dl_ChannelisationCodeList { secondaryScramblingCode p_SecondaryScramblingCode, sf_AndCodeNumber p_SF, scramblingCodeChange noCodeChange } } // tpc_CombinationIndex tpc_TPC_CombinationIndex, ssd_CellIdentity OMIT, closedLoopTimingAdModo OMIT } // scpch_InfoForFACH OMIT // </pre>	
Detailed Comment:	

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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 301 # rev - #	Current version: 3.4.0 #

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.15 to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.15 to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.15 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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.

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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#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#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#RAB4193, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, WA#RAB4199, WA#RAB4204, WA#RAB4205 and 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:	c_DCH_576_TFS_2_UE_WA
Group:	
Type Name:	DedicatedTransChTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for transport channel used in StreamingUnknownUL14.4 DL14.4kbs WA#RAB4119
Constraint Value	
<pre> 1 2 B40 ((rlc_Size octetModeType1 : sizeType2 : (part1 8, part2 2), 3 numberOFtbSizeList (zero : NULL, one : NULL), 4 logicalChannelList allSizes : NULL, 5 6 7 semiStaticTF_Information { 8 channelCodingType turbo : NULL, 9 rateMatchingAttribute 185, 10 crc_Size oct16 11 } 12 13) </pre>	

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

Test Step			
Test Step Id:	ts_RB_SendRB_SetUpStreamUnknown14_4k (p_CellId: INTEGER, p_RAB_Id: BITSTRING, p_ActTime: ActivationTime)		
Test Step Group Ref:	RRCM_Steps		
Objective:	To setup a RADIO BEARER for streaming unknown14.4 and to reconfigure the SS accordingly		
Defaults:	RRC_Def1		
Comments:			
Line	Behaviour Description	Constraint Ref	Comments
1	+ ts_SetTmpCellInfo (p_CellId)		
2	AM ? RLC_AM_DATA_REQ	<pre> car_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mu, cs_RRC_RB_SetUp(cs_IntegrityCheckInfo0, tsv_RRC_TL, p_ActTime, cell_DCH, tsv_TmpCellInfo.frequencyInfo, c_RAB_InfoListTM_1 (i_RaEstTimerT314, p_RAB_Id, c_UL_CommTrChInfoTM_0_To3, c_UL_AddReconfTransChInfoListTM_1 (c_DCH_576_TFS_2_UE_WA), c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM_1, c_DL_InformationPerRL (tsv_TmpCellInfo.priSecCode, tsc_SRF128, tsv_TmpCellInfo.il_DPCH_2ndScrCode), c_DL_CommonInformationRB_SetUp (tsc_Bfd128_8), tsv_UL_DPCH_Info (tsc_SRF4, pID_BB, tsv_TmpCellInfo.ul_ScramblingCode), c_RB_AffectedIstSRB_DCH)) </pre>	WA#RAB4119
3	AM ? RLC_AM_DATA_CNF	car_AM_DataMuCnf(tsc_CellDedicated, tsc_RB2, tsc_Mu)	

4.4 c_TFCS_Cmpl0_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:	c_TFCS_Cmpl0_To3_Rx
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information with power offset information - for transmitter WA#RAB4101
Constraint Value	
<pre> format(FCL_Signaling, compile) { cftcSize cftc4Brt { (cftc4 0, powerOffsetInformation OMT), (cftc4 1, powerOffsetInformation OMT), (cftc4 2, powerOffsetInformation OMT), (cftc4 3, powerOffsetInformation OMT) } } </pre>	

4.5 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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_CommTrChInfoTM_0_To3
Group:	
Type Name:	UL_CommonTransChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4128 WA#RAB4128

Constraint Value
<pre> tfc_Subset OMIT, rach_TFCS OMIT, modeSpecificInfo fist} ul_TFCS normalTFC_Signaling complete { cfiSize cfi4Bst { cfi4 0, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 1, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 2, powerOffsetInformation c_PowerOffsetInfoComputed } { cfi4 3, powerOffsetInformation c_PowerOffsetInfoBelow4k } } } } </pre>
Detailed Comment

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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_CommTrChInfoTM_0_To3
Origin:	
Type Name:	UL_CommonTransChInfo
Derivation Path:	
Encoding Variations:	
Comments:	WA#RAB4128 WA#RAB4269

Constraint Value
<pre> // Subset OMIT, prach_TFCS OMIT, modeSpecificInfo fdd { ul_TFCS normalTFCL_Signaling complete { cfiSize cfi4Bk { cfi4 0, powerOffsetInformation c_PowerOffsetInfoComputed } cfi4 1, powerOffsetInformation c_PowerOffsetInfoComputed } cfi4 2, powerOffsetInformation c_PowerOffsetInfoComputed } cfi4 3, powerOffsetInformation c_PowerOffsetInfoBelow4k } } } } </pre>
Detailed Comment

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

ASN.1 Type Constraint Declaration
<p>Constraint Name: c_DL_InformationPerRL (p_ScrambCode, PrimaryScramblingCode, p_St 8F512_AncCodeNumber, p_SecondaryScramblingCode : SecondaryScramblingCode)</p> <p>Group:</p> <p>Type Name: DL_InformationPerRL_List</p> <p>Derivation Path:</p> <p>Encoding Variants:</p> <p>Comments: WA#RAB4090</p>
<pre> // modeSpecificInfo fdd { primaryCPICH_Info { primaryScramblingCode p_ScrambCode }, pdSCH_SHO_DCH_Info OMIT, pdSCH_CodeMapping OMIT }, dl_DPCH_InfoPerRL fdd { pCPICH_UsageForChannelEstimateUsed, dpch_FrameOffset { ((((DefaultDPCH_OffsetValue * 512) MOD 38400) / 256), - DPCH-FrameOffset = DefaultDPCH-OffsetValueFDD MOD 38400 - Actual value DPCH-FrameOffset = IE value * 256 - Actual value DefaultDPCH-OffsetValueFDD = IE value * 512 }, secondaryCPICH_Info OMIT, dl_ChannelizationCodeList { secondaryScramblingCode p_SecondaryScramblingCode, st_AncCodeNumber p_St, scramblingCodeChange noCodeChange } }, tpc_CombinationIndex tpc_TPC_CombinationIndex, ssd_CellIdentity OMIT, closedLoopTimingAdjustMode OMIT }, accpch_InfoForFACH OMIT } </pre>
Detailed Comment

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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 302 # rev - #	Current version: 3.4.0 #

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.16 to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.16 to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.16 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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#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:	c_DCH_576_TFS_3_UE_WA(p_RM : INTEGER)
Origin:	
Type Name:	DedicatedTransChTR
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for transport channel used in ConversationalUnknownUL 28.8 DL 28.8 kbps and StreamingUnknownUL 28.8 DL 28.8 kbps WA#RAB4120
Constraint Value	
<pre> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 </pre>	

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

Test Step			
Test Step ID:	ts_SendRB_SetUpStreamUnknown28_8k (p_CellId: INTEGER, p_RAB_id: BITSTRING, p_ActTime: ActivationTime)		
Test Step Group Ref:	RB_StepsRB_Setup		
Objective:	To setup a RADIO BEARER for streaming unknown 28.8 and to reconfigure the SS accordingly.		
Defaults:	RRC_Def1		
Comments:			
	Behaviour Description	Constraint Ref	Comments
1	+ ts_SetTrpCellInfo (p_CellId)		
2	AM ? RLC_AM_DATA_REQ	<pre> cse_RB_SetUpAM_WbCnf (tsc_CellDedicated, tsc_RB2, tsc_Mu, ca_RRC_RB_SetUp (trv_CellInfo.d_IntegrityCheckInfo, tsc_RRC_T1, p_ActTime, cell_DCH, OMIT, c_RAB_InfoListTM1_Seg_False (c_ReEstTimerT214, p_RAB_M1, c_UL_CoexTrcInfoTM_0_To5, c_UL_AddResourTransChInfoListTM_1 (c_DCH_576_TFS_3_UE_WA (105)), c_DL_CommonTransChInfoNameAsUL, c_DL_AddResourTransChInfoListTM_1, c_DL_InfoListPerRL trv_TmpCellInfo.pnScrnCode, tsc_Bk64, trv_TmpCellInfo.d_DPCH_2nsScrnCode), c_DL_CommonInfoRB_SetUp (tsc_Sf64), cb_UL_DPCH_Info (tsc_Sf32, p0_80, trv_TmpCellInfo.ul_ScramblingCode), OMIT)) </pre>	<p>WA#RAB4120</p> <p>WA#RAB4120</p>
3	AM ? RLC_AM_DATA_CNF	car_AM_DataMuCnf (tsc_CellDedicated, tsc_RB2, tsc_Mu)	

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

ASN.1 Type Constraint Declaration	
Constraint Name:	t_TrChInfoDL_2_0_To5 (p_DchTFB5 , p_DchTFB1 : CommonOrDedicatedTFB)
Group:	
Type Name:	TrChInfo
Derivation Path:	
Encoding Variation:	
Comments:	With CTFC list: 0, 1, 2, 3, 4, 5 WA#RAB4124
Constraint Value	
<pre> d(connectedTrChList) trch(tsc_DL_DCH1, transportChannelInfo_p_DchTFB1), trch(tsc_DL_DCH5, transportChannelInfo_p_DchTFB5), , d(TFCB c_TFCS_Cmpl0_To5_Tx (c_PowerOffsetInfoBelow64k)) </pre>	

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

ASN.1 Type Constraint Declaration	
Constraint Name:	t_UL_CommTrChInfoTM_0_To5
Group:	
Type Name:	UL_CommonTransChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4129 WA#RAB4273
Constraint Value	


```
tfc_Subset OMIT,
prach_TFCB OMIT,
modeSpecificInfo fdd}
ut_TFCB normalTFCB_Signalling complete:{
  rfcSize cfc4Bit{
    |
    cfc4 0,
    powerOffsetInformation c_PowerOffsetInfoComputed
  },
  |
  cfc4 1,
  powerOffsetInformation c_PowerOffsetInfoComputed
  },
  |
  cfc4 2,
  powerOffsetInformation c_PowerOffsetInfoComputed
  },
  |
  cfc4 3,
  powerOffsetInformation c_PowerOffsetInfoComputed
  },
  |
  cfc4 4,
  powerOffsetInformation c_PowerOffsetInfoComputed
  },
  |
  cfc4 5,
  powerOffsetInformation c_PowerOffsetInfoBelow64k
  },
  |
}
```

Detailed Comment

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

ASN.1 Type Constraint Declaration	
Constraint Name	c_UL_CommonTransChInfo_TM_0_To5
Group	
Type Name	UL_CommonTransChInfo
Derivation Path	
Encoding Variations	
Comments	WA#RAB4129 WA#RAB4173
Constraint Value	
<pre> ts_Subset OMT, prach_TFCIS OMT, modeBspecInfo fdd1 ul_TFCS normalTFCISignalling complete: { rfrSize cfr4Bit() cfr4 0, powerOffsetInformation c_PowerOffsetInfoComputed cfr4 1, powerOffsetInformation c_PowerOffsetInfoComputed cfr4 2, powerOffsetInformation c_PowerOffsetInfoComputed cfr4 3, powerOffsetInformation c_PowerOffsetInfoComputed cfr4 4, powerOffsetInformation c_PowerOffsetInfoComputed cfr4 5, powerOffsetInformation c_PowerOffsetInfoBelow64k } </pre>	
Detailed Comment	

4.7 ts_SendRB_SetUpStreamUnknown28_8k (WA#RAB4193)

Test step name	ts_SendRB_SetUpStreamUnknown28_8k
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_1_3_4k" (explicit)
Source of change	New Change
Label	WA#RAB4193

Test Step			
Test Step Id:	ts_SetupRB_SetupStreamUnknown28_8k (p_CellId: INTEGER; p_RAB_Id: BITSTRING; p_ActTime: ActivationTime)		
Test Step Group Ref:	RB_StepsRB_Setup		
Objective:	To setup a RADIO BEARER for streaming unknown 28.8k and to reconfigure the SS accordingly.		
Defaults:	RRC_Def		
Comments:			
Line	Behaviour Description	Constraint Ref	Comments
1	+ ts_SetTempCellInfo (p_CellId)		
2	AM ? RLC_AM_DATA_REQ	<pre> cas_RB_SetUpAM_WbCnf { tsc_CellDedicated, tsc_RB2, tsc_MuI, ts_RRC_RB_SetUp { tsc_CellInfoId_IntegrityCheckInfo, tsc_RRC_T1, p_ActTime, cell_DCH, OMT, c_RAB_InfoListTM1_Seq_False (c_RaEstFrmT314, p_RAB_Id, c_UL_CommTchInfoTM_0_To5, c_UL_AddReconfTransChInfoListTM_1 (c_DCH_576_TFS_3_UL_INA (155)), c_DL_CommTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM_1, c_DL_InfoParamPerRL) } tsc_TempCellInfoPrisComCode, tsc_Sb64, tsc_TempCellInfoId_DPCH_2ndScCode, c_DL_CommonInformationRB_Setup (tsc_Sb64), c_UL_DPCH_Info (tsc_Sb32, p0_96, tsc_TempCellInfoUL_ScramblingCode), OMT) } </pre>	<p>WA#RAB4193</p> <p>WA#RAB4120</p>
3	AM ? RLC_AM_DATA_CNF	var AM_DataMtxCnf { tsc_CellDedicated, tsc_RB2, tsc_MuI	

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

Test Step			
Test Step Id:	ts_2DCH_ModifyStreamUnknown28_8 (p_CellId: INTEGER; p_ActTime: ActivationTime; p_DL_CarrierInformation: DL_CarrierInformation; p_UL_DPCH_Info: UL_DPCH_Info; p_CommTchInfo_CPHY: CarrierConfigurationCPHY)		
Test Step Group Ref:	RRC_DL_Steps		
Objective:	To configure physical channels (DPCH) and control (DCH) and (DCH5) to the physical channel, then map DCH(1-4) to the DCH5 transport channel and map DCH(5) to the DCH1 transport channel (respectively, Used for Streaming (unknown 28.8k)).		
Defaults:	SS_Def		
Comments:			
Line	Behaviour Description	Constraint Ref	Comments
1	+ ts_SetTempCellInfo (p_CellId)		
2	ts_RAT = HSE		
3	AM ? RLC_AM_DATA_REQ		
4	CPHYCPHY_Tch_Config_REQ	ts_DL_DCH_5_Tsc_Info (p_CellId, ts_UL_DPCH, c_DCH_18k_TFS_DL_6_CarrierInfo_CPHY (p_ActTime))	3
5	CPHYCPHY_Tch_Config_Cnf	ts_TchCfgCnf (p_CellId, ts_UL_DPCH)	
6	CMAC ? CMAC_Config_REQ	ts_CMAC_ParamAgn (tsc_CellDedicated, ts_UL_DPCH, c_UL_Info_OMT, OMT, c_TxTrchInfo_2_8_Tsc (c_DCH_18k_TFS_DL_6_CarrierInfo_CPHY), c_TxLogMappingDL_4DCCH_1DTCH (p_ActTime))	3 C-RNTI and U-PDSCH is not required on DPCH WA#RAB4204
7	CMAC ? CMAC_Config_Cnf	ts_CMAC_CfgCnf (tsc_CellDedicated, ts_UL_DPCH)	
8	CPHYCPHY_DL_Meas_REQ	ts_UL_DPCH_MeasInfo (p_CellId, ts_UL_DPCH, c_UL_DPCH_Info (p_ActTime))	1

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			
Test File ID	Behaviour Description	CarrollRef	Comments
ts_2DCH_ModifyStreamUnknown28_8			
<p>Test File Name: ts_2DCH_ModifyStreamUnknown28_8</p> <p>Test File Author: PFD/EP</p> <p>Test File Date: 2010-08-10</p> <p>Test File Description: To configure physical channel (DCH) and control DCH1 and DCH5 to the physical channel, then map DCH1-4 to the DCH5 transport channel and map DTCH to DCH1 to the DCH1 transport channel respectively. Used by: Streaming Callover 39 Step.</p> <p>Category: SS_Test</p> <p>Comments:</p>			
1	* ts_SetFreeCellId (g_CellId)		
2	ts_SetRAT = NB		
11	CR4DCCH_TxCH_Config_NSG	ts_2DCH_8_Tsc_UL_Info_g_CellId, ts_UL_DPCCH, c_DCH_148_TFS_UL_a_C	2
12	CRPHYCPHY_TxCH_Config_DNF	ts_TrchCfgConf_g_CellId, ts_UL_DPCCH	2
13	CMAC CMAC_Config_RSQ	ts_CMAC_Reconfig (ts_CellDedicated, ts_UL_DPCCH, g_UL_Info (OMT, OM	2 G-RNTI and U-RN TI is not needed on DPCCH
14	CMAC CMAC_Config_CNF	ts_CMAC_Cfg (ts_CellDedicated, ts_UL_DPCCH)	WA#RAB4205
15	ts_SetRAT = NB		

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

ASN 1 Type Constraint Declaration	
Constraint Name:	_DL_InformationPerRL (p_ScrambCode: PrimaryScramblingCode, p_SF_SF512_AncCodeNumber, p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variants:	
Comments:	WARRAB403D
Constraint Value	
<pre> // modeSpecificInfo fdd : primaryCPICH_Info (primaryScramblingCode p_ScrambCode), pdsch_SHO_DCH_Info OMIT, pdsch_CodeMapping OMIT, { dl_DPCH_InfoPerRL fdd : pCPICH_UsageForChannelEst mayBeUsed, dpch_FrameOffset { (dl_DefaultDPCH_OffsetValue*512) MOD 38400 } (256), -- DPCH-FrameOffset = DefaultDPCH-OffsetValue FDD MOD 38400 -- Actual value DPCH-FrameOffset = IE value * 256 -- Actual value DefaultDPCH-OffsetValue FDD = IE value * 512 secondaryCPICH_Info OMIT, dl_ChannelisationCodeList { secondaryScramblingCode p_SecondaryScramblingCode, sf_AncCodeNumber p_SF, scramblingCodeChange noCodeChange } } } tpc_CombinationIndex tpc_TPC_CombinationIndex, ssdl_CellIdentity OMIT, closedLoopTimingAdvMoio OMIT, { scpoch_InfoForFACH OMIT } } </pre>	
Detailed Comment:	

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, Cipherring 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

CR-Form-v7
CHANGE REQUEST
TS 34.123-3 CR 303 # rev - # Current version: 3.4.0

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Addition of RAB test case 14.2.17 to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	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 TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.17 to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.17 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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#RAB4184, WA#RAB4185, WA#RAB4187, WA#RAB4188, WA#RAB4189, WA#RAB4191, WA#RAB4193, WA#RAB4194, WA#RAB4195, WA#RAB4196, WA#RAB4197, WA#RAB4198, 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 value of 145 instead of 125
Source of change	New Change
Label	WA#RAB4130

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_576_TFS_WA
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	transport format set for transport channel used in CreateCell_DCH_57_6KCB_RAB_SRB WA#RAB4130
Constraint Value	
<pre> { numberOfTfsSizeList { zero: NULL, one: NULL, small: 2, small: 3, small: 4}, logicalChannelList allSizes: NULL } } semiStaticTFSInformation { channelCodingType list c: NULL rateMatchingAttribute 145, ecc_Size crc16 } } </pre>	

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 constraint 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_TrChInfoUL_576_148_WA
Group:	
Type Name:	TrCHInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4130
Constraint Value	
<pre> { ulconnectedTrCHList { { trchid list UL_DCH1, transportChannelInfo c_DCH_576_TFS_WA }, { trchid list UL_DCH5, transportChannelInfo c_DCH_148_TFS_UL }, uTFCS c_TFCS_CompB_1_2_3_4_5_6_7_8_9_Rx - sent to 88 } } </pre>	

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 constraint 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:	c_TrChInfoDL_576_148_1_WA
Group:	
Type Name:	TrChInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4130
Constraint Value	
<pre> { disconnectedTrChList ({trchInfoDL_DCH1, transportChannelInfo c_DCH_576_TFS_WA}, {trchInfoDL_DCH5, transportChannelInfo c_DCH_148_TFS_DL1}) diffCS c_TFCS_CmpID_1_2_3_4_5_6_7_8_9_Tx (c_PowerOffsetInfoBelow64k) -- sent to BS } </pre>	

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 constraint 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_576_148_DL_Info_1_WA(ActivationTime: ActivationTime)
Group:	
Type Name:	CphyTrchConfigReq
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4130
Constraint Value	
<pre> { activationTime activationCFN: p_ActTime, uconnectedTrChList OMIT, uTFCS OMIT, disconnectedTrChList ({trchInfoDL_DCH1, d_TransportChannelType dch, transportChannelInfo c_DCH_576_TFS_WA}, {trchInfoDL_DCH5, d_TransportChannelType dch, transportChannelInfo c_DCH_148_TFS_DL1}) } diffCS c_TFCS_CmpID_1_2_3_4_5_6_7_8_9_Tx (c_PowerOffsetInfoBelow64k) } </pre>	

4.6 c_DCH_576_148_UL_Info_WA (WA#RAB4130)

Test step name c_DCH_576_148_UL_Info_WA

Reason for change Wrong values for tti and rate matching parameters.

Summary of change Created new constraint 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 change New Change

Label WA#RAB4130

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_576_148_UL_Info_WA(p_ActTime: ActivationTime)
Onsup:	
Type Name:	CphyTrchConfigReq
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4130
Constraint Value	
<pre> activationTime activationCFN : p_ActTime, disconnectTrChList { trchId trc_UL_DCH1, ul_TransportChannelType dch, transportChannelInfo c_DCH_576_TFS_WA, { trchId trc_UL_DCH5, ul_TransportChannelType dch, transportChannelInfo c_DCH_148_TFS_UL } }, ulTFCS c_TFCS_CreptB_1_2_3_4_5_6_7_8_9_Rx, -- sent to BS disconnectTrChList OMIT, ulTFCS OMIT } </pre>	

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

Test Step					
Test Step Id:	ts_SendRB_SetUpDCH_57_6k_CS (p_CellId INTEGER, p_RAB_Id BITSTRING(p_ActTime: ActivationTime)				
Test Step Group Ref:	RB_SetupRB_Setup				
Objective:	To setup a RADIO BEARER Cell_DCH_57_6kCS_RAB_BRB and to reconfigure the SS accordingly				
Defaults:	RRC_Deft				
Comments:	This Step is used by RLC test cases.				
	See TS 34.108 clause 6.10.2.4.17				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments

ASN.1 Type Constraint Declaration	
Constraint Name:	c_UL_AddReconfTransChInfoListTM_57_6k
Group:	
Type Name:	UL_AddReconfTransChInfoList
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4192
Constraint Value	
<pre> E ul_TransportChannelType dch, transportChannelBandwidth tsc_UL_DCH1, transportFormatSet dedicatedTransChTFS: c_DCH_57k_TFS_UE_WA L L E ul_TransportChannelType dch, transportChannelBandwidth tsc_UL_DCH5, transportFormatSet dedicatedTransChTFS: c_DCH_14k_TFS_UE_UL L L </pre>	

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

Test Step						
Test Step ID: ts_SendRB_SetUpDCH_57_6k_CS (p_Card: RNC, p_RAB_Id: BITSTREAM_p_andTsc_ActivateTime)						
Test Step Setup Ref: RB_SetupRB_Setup						
Objective: To setup a Radio Bearer csc_DCH_57_6kcs_RAB_57kcs to reconfigure the UE accordingly						
Default: RRC_DCH1						
Comments: This step is used by RLC test cases.						
See TS 34.133 clause 8.10.2.1.1						
Id	Label	Service Description	Constraint Ref.	Result	Comments	
1		RLCSetupChannel (p_CSRG)				
2		AM RLC AM DATA REQ	ccs_RB_SetupAM_VRBConf Rlc_CSDedicated, Rlc_PRR2, Rlc_Max, ccs_PRR2_Setup, tsc_CellInfoof_IntegrityCheckcs, tsc_PRR2_T, p_ActTime, ccs_DCH1_OMT, ccs_RAB_InfoofTsc_57_6k(ccs_NetofTsc (Tsc_57_6kcs_RAB_Id,c_RLC_InfoofTsc_Ce eg_False), c_UL_ConfInfoofTsc_TM_57_6k, c_UL_AddReconfTransChInfoListTM_57_6k, c_DL_ConfInfoofTsc_TM_57_6k, c_DL_AddReconfTransChInfoListTM_1, c_DL_InfoofTsc_PRL (tsc_TscCellInfoofTsc_Ce eg_SumCode, tsc_DL_DPDCH1_Ce eg_SumCode, tsc_TscCellInfoofTsc_Ce eg_SumCode), c_DL_ConfInfoofTsc_Setup (tsc_TscCellInfoofTsc_Ce eg_SumCode, ccs_UL_DPDCH1_Info (tsc_UL_DPDCH1_Ce eg_SumCode, tsc_TscCellInfoofTsc_Ce eg_SumCode), OMT, t, t, ccs_AM_RLC_AM_DATA_REQ		WA#RAB4192	
3		AM RLC AM DATA CONF	ccs_AM_RLC_AM_DATA_CONF			

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:	c_DL_InformationPerRL (p_ScrambCode: PrimaryScramblingCode, p_SF_SF512_AddCodeNumber, p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4090
Constraint Value	
<pre> // modeSpecificInfo sdd : primaryCPICH_Info (primaryScramblingCode p_ScrambCode), pdsch_SHO_DCH_Info OMIT, pdsch_CodeMapping OMIT }; dl_DPCH_InfoPerRL sdd : pCPICH_UsageForChannelEstimation p_Used, dpch_FrameOffset () (Set_DefaultDPCH_OffsetValue*512) MOD 38400 (256), - DPCH-FrameOffset = DefaultDPCH-OffsetValueFDD MOD 38400 - Actual value DPCH-FrameOffset = IE value * 256 - Actual value DefaultDPCH-OffsetValueFDD = IE value * 512 secondaryCPICH_Info OMIT, dl_ChannelisationCodeList () secondaryScramblingCode p_SecondaryScramblingCode, st_AddCodeNumber p_SF, scramblingCodeChange noCodeChange }; tpc_CombinationIndex tpc_TPC_CombinationIndex, ssd_CellIdentity OMIT, sloseloopTimingAdModo OMIT }; accpch_InfoForFACH OMIT // </pre>	
Detailed Comment:	

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, Cipherring 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

CR-Form-v7

CHANGE REQUEST

TS 34.123-3 CR 304 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of RAB test case 14.2.13.2 to RAB ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 03/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	R96	2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R97	(Release 1996)
	B (addition of feature),	R98	(Release 1997)
	C (functional modification of feature)	R99	(Release 1998)
	D (editorial modification)	Rel-4	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-5 (Release 4)
			Rel-6 (Release 5)
			(Release 6)

Reason for change:	# To add verified GCF package 3 RAB test case 14.2.13.2 to the approved RAB ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 14.2.13.2 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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#RAB4165, WA#RAB4166, WA#RAB4182, WA#RAB4183, WA#RAB4184, 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_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

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DCH_64k_TFS_40_4_UE_WA
Origin:	
Type Name:	DedicatedTransChTFB
Derivation Path:	
Encoding Variations:	
Comments:	transport format set for RAB subflow#1 on dedicated channel WA#RAB4123
Constraint Value	
<pre> [#40 { (rlc_Size ofTypeModeType1 : sizeType2 : (part1 11, part2 2), numberOfTsSizeList (pars : NULL, small : 4), logicalChannelList allSizes : NULL) }] semiStaticTF_Information { channelCodingType turbo : NULL, rateMatchingAttribute 172, rlc_Size crc16 }] </pre>	

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

Test Step					
Test Step Id:	ts_SendRB_SetUpConvUnknown_64k_40TTI (p_CellId: INTEGER, p_RAB_Is: BITSTRING, p_ActTime: ActivationTime)				
Test Step Group Ref:	RB_SetupRB_Setup				
Objective:	To setup a RADIO BEARER for conversational 64k with TTI 40 and to reconfigure the BS accordingly.				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTempCellInfo (s_CellId)			
2		AM I RLC_AM_DATA_REQ	cas_RB_SetupAM_WithCnf (ts_CellDedicated, ts_RB2, ts_Mul, cs_RRC_RB_Setup, ts_CellInfo.d.IntegrityCheckInfo, ts_v_RRC_TL.p.ActTime, cell_DCH, OMIT, c_RAB_InfoListTM1.Beg.False (s_RaEstTime / T314, p_RAB_Info, s_UL_CommonTrchInfoTM_0.To_3 (PowerOffsetInfoHigher640, s_UL_AddReconfTransChInfoListTM_1 (c_DCH_640_TFS_40_4_UE_WA), c_DL_CommonTransConfSameAsUL, s_DL_AddReconfTransChInfoListTM_1, c_DL_InformationPerRLC (sv_TmpCellInfo.priScrmCode, ts_Sf32 (sv_TmpCellInfo.d.DPCH_2ndSecCode), c_DL_CommonInformation.RB_Setup (ts_Sf32), ts_UL_DPCH_Info (ts_Sf16, pR_08, ts_v_TmpCellInfo.ul_ScramblingCode), OMIT))		ts_SpdFct + ts_PwrLimit = > values ? same for uplink and downlink ? FreeInfo ? WA#RAB4123
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMtuCnf (sv_CellDe		

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

Test Step						
Test Step ID:	ts_2DCH_ModifyConvUnknown_64k_40 (p_CellId : INTEGER, p_ActTime : ActivationTime, p_DL_CommonInformation : DL_CommonInformation, p_UL_DPCH_Info : UL_DPCH_Info, p_DCH1 : CommonOrDedicatedTFS_p_sf : SF512_AncCodeNumber)					
Test Step Group Ref:	RB_StepsRB_Configuration					
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 map DTCH(subflow#1) to the DCH1 transport channel respectively. Used for Conversational (unknown / UL 32 or 64 DL 32 or 64 kbps).					
Defaults:	InitOtherwiseFail					
Comments:						
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments	
1		+ ts_BefTmpCellInfo (p_CellId)				
2		[p_RAT = ts0]				
3		CPHYCPHY_RL_Modify_REQ	ca_D1_DPCH_ModifyIn_Cell		1	
6		CPHYCPHY_TtCH_Config_CNF	ca_TtCHCfgCnf (p_CellId, tsc_DL_DPCH1)			
7		CMAC ? CMAC_Config_REQ	ca_CMAC_ReconfigInCell_Dedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrchInfo DL_2_0_To3 (c_DCH_140, TFS_DL, p_DCH1), c_TrLogMapping DL_4DCCH_1DTCH (p_ActTime)		3 (WA#RAB4180)	
8		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnfInCell_Dedicated, tsc_DL_DPCH1)			
9		CPHYCPHY_RL_Modify_REQ	ca_UL_DPCH_ModifyInCell		1.	

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

Test Step						
Test Step ID:	ts_2DCH_ModifyConvUnknown_64k_40 (p_CellId : INTEGER, p_ActTime : ActivationTime, p_DL_CommonInformation : DL_CommonInformation, p_UL_DPCH_Info : UL_DPCH_Info, p_DCH1 : CommonOrDedicatedTFS_p_sf : SF512_AncCodeNumber)					
Test Step Group Ref:	RB_StepsRB_Configuration					
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 map DTCH(subflow#1) to the DCH1 transport channel respectively. Used for Conversational (unknown / UL 32 or 64 DL 32 or 64 kbps).					
Defaults:	InitOtherwiseFail					
Comments:						
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments	
1		+ ts_BefTmpCellInfo (p_CellId)				
2		[p_RAT = ts0]				
3		CPHYCPHY_RL_Modify_REQ	ca_D1_DPCH_ModifyIn_Cell		1	

12		CPHYTCPHY_TtCH_Config_CNF	me) ca_TtCHCfgCnf (a_CellId, tsc_UL_DPCH1)	
13		CMAC-1 CMAC_Config_REG	ca_CMAR_ReconfigInfo (tsc_CellDedicated, tsc_UL_DPCH1, c_UL_E_Info (OMIT, OMIT), c_TtCHInfo_UL_2_0To3 (c_DCH_148_TFR_UL, p_DCH1), c_TtLogMappingUL_4DCCH_1DTCH, p_ActTime)	3 WA#RAB4181
14		CMAC-2 CMAC_Config_CNF	ca_CMAR_CfgCnf (tsc_CellDedicated, tsc_UL_DPCH1)	
15		{ix_RAT = tsc}		

4.6 c_TFCS_Cmpl0_To3_Rx (WA#RAB4101)

Test step name	c_TFCS_Cmpl0_To3_Rx
Reason for change	Wrong CTFC size (=ctfc 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:	c_TFCS_Cmpl0_To3_Rx
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information with power offset information - for transmitter
	WA#RAB4101
Constraint Value	
<pre> format(FCL_Signaling) compiledo { ctfcSize ctk:48rt; { ctk:4 0, powerOffsetInformation OMIT }; { ctk:4 1, powerOffsetInformation OMIT }; { ctk:4 2, powerOffsetInformation OMIT }; { ctk:4 3, powerOffsetInformation OMIT }; } </pre>	

4.7 c_TFCS_Cmpl0_To3_Tx (WA#RAB4098)

Test step name	c_TFCS_Cmpl0_To3_Tx
Reason for change	Wrong CTFC size (ctfc 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:	c_TFCS_CreptE_To3_Tx (p_PowerOffsetInformation : PowerOffsetInformation)
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information with power offset information - for transmitter
	WA#RAB4090
Constraint Value	
<pre> normalTFCS_Signaling complete: { ctfSize ctf:48bit { ctf:4 0, powerOffsetInformation c_PowerOffsetInfoComputed }, { ctf:4 1, powerOffsetInformation c_PowerOffsetInfoComputed }, { ctf:4 2, powerOffsetInformation c_PowerOffsetInfoComputed }, { ctf:4 3, powerOffsetInformation p_PowerOffsetInformation } } </pre>	

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

ASN 1 Type Constraint Declaration	
Constraint Name:	c_DL_InformationPerRL (p_ScrambCode: PrimaryScramblingCode, p_SF_SF512_AncCodeNumber, p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4090
Constraint Value	
<pre> // modeSpecificInfo fdd: { primaryCPICH_Info (primaryScramblingCode p_ScrambCode), pdsch_SHO_DCH_Info OMIT, pdsch_CodeMapping OMIT }, // dl_DPCH_InfoPerRL fdd: { pCPICH_UsageForChannelEstimationCanBeUsed, dpch_FrameOffset {} (defaultDPCH_OffsetValue*512) MOD 38400 (256), - DPCH-FrameOffset = DefaultDPCH-OffsetValueFDD MOD 38400 - Actual value DPCH-FrameOffset = IE value * 156 - Actual value DefaultDPCH-OffsetValueFDD = IE value * 512 secondaryCPICH_Info OMIT, dl_ChannelizationCodeList {} secondaryScramblingCode p_SecondaryScramblingCode, sf_AncCodeNumber p_SF, scramblingCodeChange noCodeChange }, // tpc_CombinationIndex tpc_TPC_CombinationIndex, ssdl_CellIdentity OMIT, closedLoopTimingAdjustment OMIT }, // accpch_InfoForFACH OMIT // </pre>	
Detailed Comment:	

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

CR-Form-v7	
CHANGE REQUEST	
№ TS 34.123-3 CR 305 № rev - №	Current version: 3.4.0 №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

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

Title:	№ Addition of NAS test case 10.1.2.4.9 to NAS ATS V3.4.0		
Source:	№ Anritsu Limited		
Work item code:	№ N/A	Date:	№ 02/03/2004
Category:	№ B	Release:	№ R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	№ To add verified GCF package 3 NAS test case 10.1.2.4.9 to the approved NAS ATS V3.4.0
Summary of change:	№ This document lists all changes applied to test case 10.1.2.4.9 required for approval. See detailed change description for further information.
Consequences if not approved:	№ Test case will not be added to ATS

Clauses affected:	№ N/A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	№						

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked № contain pop-up help information about the field that they are closest to.
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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Title: Changes to test case 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
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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	
CHANGE REQUEST	
№ TS 34.123-3 CR 306 № rev - №	Current version: 3.4.0 №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

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

Title:	№ Addition of NAS test case 10.1.2.4.4 to NAS ATS V3.4.0		
Source:	№ Anritsu Limited		
Work item code:	№ N/A	Date:	№ 02/03/2004
Category:	№ B	Release:	№ R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	№ To add verified GCF package 3 NAS test case 10.1.2.4.4 to the approved NAS ATS V3.4.0
Summary of change:	№ This document lists all changes applied to test case 10.1.2.4.4 required for approval. See detailed change description for further information.
Consequences if not approved:	№ Test case will not be added to ATS

Clauses affected:	№ N/A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications № Test specifications O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
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<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Other comments:	№										

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked № contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

Title: Changes to test case 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.

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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

3 Verification Test Summary

Test Case: tc_10_1_2_4_4
ATS Version: iWD-TVB2003-03_D04wk04 + essential modifications
Domain Tested: CS
Test Configuration: Integrity Enabled
Cipherring 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.

CR-Form-v7	
CHANGE REQUEST	
№ TS 34.123-3 CR 307	№ rev - № Current version: 3.4.0 №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

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

Title:	№ Addition of NAS test case 10.1.2.4.6 to NAS ATS V3.4.0		
Source:	№ Anritsu Limited		
Work item code:	№ N/A	Date:	№ 02/03/2004
Category:	№ B 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 TR 21.900 .	Release:	№ R99 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	№ To add verified GCF package 3 NAS test case 10.1.2.4.6 to the approved NAS ATS V3.4.0
Summary of change:	№ This document lists all changes applied to test case 10.1.2.4.6 required for approval. See detailed change description for further information.
Consequences if not approved:	№ Test case will not be added to ATS

Clauses affected:	№ N/A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	№						

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked № contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

Title: Changes to test case 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.

2 Table of Contents

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 10.1.2.4.6	2
4.1	Introduction	2
4.2	Detailed changes	2

3 Verification Test Summary

Test Case: tc_10_1_2_4_6
ATS Version: iWD-TVB2003-03_D04wk04 + essential modifications
Domain Tested: CS
Test Configuration: Integrity Enabled
Cipherring 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.

CR-Form-v7	
CHANGE REQUEST	
№ TS 34.123-3 CR 308 № rev - №	Current version: 3.4.0 №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

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

Title:	№ Addition of NAS test case 10.1.2.6.3 to NAS ATS V3.4.0		
Source:	№ Anritsu Limited		
Work item code:	№ N/A	Date:	№ 02/03/2004
Category:	№ B	Release:	№ R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	№ To add verified GCF package 3 NAS test case 10.1.2.6.3 to the approved NAS ATS V3.4.0
Summary of change:	№ This document lists all changes applied to test case 10.1.2.6.3 required for approval. See detailed change description for further information.
Consequences if not approved:	№ Test case will not be added to ATS

Clauses affected:	№ N/A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	№	
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
			Test specifications								
			O&M Specifications								
Other comments:	№										

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked № contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

Title: Changes to test case 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.

2 Table of Contents

1	Overview	1
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4	Corrections required for test case 10.1.2.6.3	2
4.1	Introduction	2
4.2	Detailed changes	2

3 Verification Test Summary

Test Case: tc_10_1_2_6_3
ATS Version: iWD-TVB2003-03_D04wk04 + essential modifications
Domain Tested: CS
Test Configuration: Integrity Enabled
Cipherring 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 34.123-3 CR 309 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of NAS test case 10.1.2.4.7 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 02/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 2 NAS test case 10.1.2.4.7 to the approved NAS ATS V3.4.0		
Summary of change:	#		
Consequences if not approved:	# Test case will not be added to ATS		

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

How to create CRs using this form:

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

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

Title: 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.

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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
6	References	2

3 Verification Test Summary

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, Cipherring 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

TS 34.123-3 CR 310 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of NAS test case 10.1.2.4.8 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 02/03/2004
Category:	# B	Release:	# R99
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	

Reason for change:	# To add verified GCF package 2 NAS test case 10.1.2.4.8 to the approved NAS ATS V3.4.0		
Summary of change:	#		
Consequences if not approved:	# Test case will not be added to ATS		

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

How to create CRs using this form:

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

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

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

Title: Approval of test case 10.1.2.4.8
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 10.1.2.4.8 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.

2 Table of Contents

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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
6	References	2

3 Verification Test Summary

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, Cipherring 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

TS 34.123-3 CR 311 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of NAS test case 10.1.2.9.1 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 02/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 2 NAS test case 10.1.2.9.1 to the approved NAS ATS V3.4.0		
Summary of change:	#		
Consequences if not approved:	# Test case will not be added to ATS		

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

How to create CRs using this form:

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

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

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

Title: Approval of test case 10.1.2.9.1
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 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.

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5.2	Ericsson 3G UE U100	2
6	References	2

3 Verification Test Summary

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, Cipherring 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

CR-Form-v7
CHANGE REQUEST
TS 34.123-3 CR 312 # rev - # Current version: 3.4.0

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

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

Title:	# Addition of NAS test case 10.1.2.3.1 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 02/03/2004
Category:	# B	Release:	# R99
	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 TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 2 NAS test case 10.1.2.3.1 to the approved NAS ATS V3.4.0
Summary of change:	#
Consequences if not approved:	# Test case will not be added to ATS

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

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

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

Title: Approval of test case 10.1.2.3.1
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 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.

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6	References	2

3 Verification Test Summary

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, Cipherring 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

CHANGE REQUEST

TS 34.123-3 CR 313 # rev - # Current version: **3.4.0**

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

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

Title:	# Addition of NAS test case 10.1.2.4.3 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 02/03/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF package 3 NAS test case 10.1.2.4.3 to the approved NAS ATS V3.4.0
Summary of change:	# This document lists all changes applied to test case 10.1.2.4.3 required for approval. See detailed change description for further information.
Consequences if not approved:	# Test case will not be added to ATS

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

How to create CRs using this form:

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

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

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

Title: Changes to test case 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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4.2	tc_10_1_2_4_3 (WA#NAS4425).....	2
4.3	cbs_Progress32 (WA#NAS4423).....	3
4.4	cs_ProgInd32_Iv (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	4
6.2	Ericsson 3G UE U100	4
7	References	4

3 Verification Test Summary

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_PiEnterU3_3 (tsc_CellA)		3.
7	TBS	(trv_TestBody := TRUE)		
8		Dc I RRC_DataReq	ca_DataReq (tsc_CellDedicated, tsc_RB3, cbs_Progress32 (trv_TI_B))	Step 1 WA#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 change As there is no generic PDU constraint of type 'Progress', another constraint similar to "cbs_Progress4" needs to be created

Summary of change Created PDU constraint "cbs_Progress32"

Source of change New change

Label WA#NAS4423

Constraint Name:	cbs_Progress32 (p_TI : TI)		
Group:			
PDU Name:	PROGRESS		
Derivation Path:			
Encoding Rule Name:			
Encoding Variation:			
Comments:	WA#NAS4423		

Field Name	Element Value	Type Encoding	Comments
i	p_TI		
cC_ProtocolDiscriminator	'0011'B		
msgType	'00000011'B		
progInd	cs_ProgInd32_iv		
userUser	-		

4.4 cs_ProgInd32_iv (WA#NAS4424)

Test step name cs_ProgInd32_iv

Reason for change As there is no generic constraint of type 'ProgInd_iv', another constraint similar to "cs_ProgInd4_iv" needs to be created

Summary of change Created constraint "cs_ProgInd32_iv"

Source of change New change

Label WA#NAS4424

Constraint Name:	cs_ProgInd32_iv		
Group:			
Type Name:	ProgInd_iv		
Derivation Path:			
Encoding Variation:			
Comments:	Progress Indicator ie with the value #32 (call is end-to-end PLMN/SDN) WA#NAS4424		

Element Name	Element Value	Type Encoding	Comments
ieI	'02'0		
extBit3	'1'B		
codingStd	'11'B		coding standard
spare	'0'B		spare bit
location	'0001'B		
extBit4	'1'B		extension bit
progressDescr	'0100000'B		#32

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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 314 # rev - #	Current version: 3.4.0 #

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

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

Title:	# Addition of NAS test case 9.4.2.3 to NAS ATS V3.4.0		
Source:	# Rohde & Schwarz		
Work item code:	# N/A	Date:	# 24/02/2004
Category:	# B	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# To add verified GCF 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:	# N/A				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Other comments:	#				

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

Title: Changes to test case 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

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 NAS_OtherwiseFail
Reason for change As most test steps like "ts_NAS_Delay", make use of the Default handler "NAS_OtherwiseFail". The TM SAP also needs to be added to make sure no RRC Connections are received during the wait period.
Summary of change Added TM SAP for 'OTHERWISE' condition
Source of change New change
Label WA#NAS4420

28		TM?OTHERWISE [!tv_TestBody = FALSE]		WA#NAS4420
29		CANCEL	()	WA#NAS4420
30	DFI2	Dc?OTHERWISE [!tv_TestBody = FALSE]	()	2.
31		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_SwitchCellPowerLevels(tsc_CellA, tsc_CellB)	Step 1:
15	(tcv_CellInfoC.attenuationLevel=tsc_AttenuationSuitableNeighbourCell, tcv_CellInfoC.mcc=tsc_MCC_Def, tcv_CellInfoC.mnc=tsc_MNC_010, tcv_CellInfoC.lac=tsc_LAC_3, tcv_CellInfoC.nmo=tsc_NMO_I1, tcv_CellInfoC.attFlag=tsc_AttOn, tcv_CellInfoC.t3212=tsc_T3212_1)	Step1: Set specific values for Cell C WA#NAS4418
16	+ts_MM_StartCellC	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 'It_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 t_Guard(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.mnc=tsc_MNC_Def, tcv_CellInfoB.lac=tsc_LAC_2, tcv_CellInfoB.nmo=tsc_NMO_I1, tcv_CellInfoB.attFlag=tsc_AttOn, tcv_CellInfoB.t3212=tsc_T3212_1)	Set specific values for Cell B same MCC, MNC as for Cell A WA#NAS4422
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

CR-Form-v7	
CHANGE REQUEST	
⌘ TS 34.123-3 CR 315 ⌘ rev - ⌘	Current version: 3.4.0 ⌘

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

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

Title:	⌘ Addition of NAS test case 9.4.8 to NAS ATS V3.4.0		
Source:	⌘ Rohde & Schwarz		
Work item code:	⌘ N/A	Date:	⌘ 13/02/2004
Category:	⌘ B	Release:	⌘ R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ To add verified GCF package 2 NAS test case 9.4.8 to the approved NAS ATS V3.4.0
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:	⌘ Test case will not be added to ATS

Clauses affected:	⌘ N/A						
Other specs affected:	<table border="1" style="font-size: x-small;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘
	Y	N					
	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/>	Test specifications						
<input checked="" type="checkbox"/>	O&M Specifications						
Other comments:	⌘						

How to create CRs using this form:

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

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

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

Title: Changes to test case 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.

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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 Step list	ts_MM_Lupin2w(p_CellId, INTEGER, p_LUT: B2)				
Test Step Group Ref:	MM_Steps/				
Objective:	To perform initial part of a Location Updating Procedure				
Defaults:	NAS_OtherwiseFail				
Comments:	RRC connection establishment and Location Update request following. Type passed as parameter, other values not relevant. ts_MM_Lupin2 with integrity Protection. WA#NAS3038				
...	...	Behaviour Description	Constraint ...	Ver...	Comments
1		+ts_MM_Lupin2(p_CellId, p_LUT)			
2		+ts_MM_Authentication (p_CellId)			
3		+ts_RRC_Security(p_CellId, tcv_AuthOK, tcv_AuthK, tcv_AuthKoSMS, TRUE, cs_domain)			

4.3 tc_9_4_8:It_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: It_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

It_Reconfigure					
18		+ts_MM_PwrOrUSM_On(tsc_USIM_NeedRrv)			Step 10: Deactivate the UE
19		(tcv_CellInfoA.attenuationLevel=tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoB.attenuationLevel=tsc_AttenuationSuitableNeighbourCell, tcv_CellInfoC.attenuationLevel=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, WA#NAS3041
21		+ts_SetAttenuationLevel (tsc_CellB, tcv_CellInfoB.attenuationLevel)			Set type of Cell B to suitable neighbour cell
22		+ts_SetAttenuationLevel (tsc_CellC, tcv_CellInfoC.attenuationLevel)			Set type of Cell C to suitable neighbour cell
23		+ts_MM_PwrOrUSM_On(tsc_USIM_NeedRrv)			Step 12 Activation of the UE in automatic network selection mode
24		+It_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

Id	L...	Behaviour Description	Constraint Ref	Comments
1		START1_Guard		
2		+ts_MM_InitFreq_3_4_5_4etc		Initialize frequencies as specifically required
3		(tcv_CN_Domain = cs_domain)		Set domain for testing
4		(tcv_CellInfoA.nmcc = tsc_NMO_0)		Set specific values for Cell A
5		(tcv_CellInfoB.attenuationLevel = tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoB.nmcc = tsc_MCC_022, tcv_CellInfoB.nmnc = tsc_MNC_2, tcv_CellInfoB.lac = tsc_LAC_3, tcv_CellInfoB.nmcc = tsc_NMO_0)		Set specific values for Cell B WA#NAS3044
6		(tcv_CellInfoC.attenuationLevel = tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoC.nmcc = tsc_MCC_Def, tcv_CellInfoC.nmnc = tsc_MNC_010, tcv_CellInfoC.lac = tsc_LAC_3, tcv_CellInfoC.nmcc = tsc_NMO_0)		Set specific values for Cell C WA#NAS3044 WA#NAS3045
7		+t_Body		
8		+pc_ConnectionAndSS_Rats		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

Id	L...	Behaviour Description	Constraint Ref	Comments
1		START1_Guard		
2		+ts_MM_InitFreq_3_4_5_4etc		Initialize frequencies as specifically required
3		(tcv_CN_Domain = cs_domain)		Set domain for testing
4		(tcv_CellInfoA.nmcc = tsc_NMO_0)		Set specific values for Cell A
5		(tcv_CellInfoB.attenuationLevel = tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoB.nmcc = tsc_MCC_022, tcv_CellInfoB.nmnc = tsc_MNC_2, tcv_CellInfoB.lac = tsc_LAC_3, tcv_CellInfoB.nmcc = tsc_NMO_0)		Set specific values for Cell B WA#NAS3044
6		(tcv_CellInfoC.attenuationLevel = tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoC.nmcc = tsc_MCC_Def, tcv_CellInfoC.nmnc = tsc_MNC_010, tcv_CellInfoC.lac = tsc_LAC_3, tcv_CellInfoC.nmcc = tsc_NMO_0)		Set specific values for Cell C WA#NAS3044 WA#NAS3045
7		+t_Body		
8		+pc_ConnectionAndSS_Rats		Release all resources

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

Test Step				
Test Step Id	ts_IMSI_Detach_with_IMSI (p_CellId: INTEGER, p_USIM_RevId: BOOLEAN)			
Test Step Group Ref	BasicIMM_Imm_Steps			
Objective	Force the UE to execute the IMS Detach procedure			
Default	NAS_OtherwiseFail			
Comments	To achieve this, deactivate the UE depending upon its properties (USM revival, switching off or powering off). WA#NAS3047			
Ln	Behaviour Description	Constraint Ref	Verdict	Comments
1	{p_USIM_RevId } AND {pc_USIM_Rev } AND {pc_DetachOnUSM_Rev}			USIM needs to be removed.
2	+ts_IMM_USM_Revive			remove USIM card
3	+t_IMS_Detach			
4	{pc_SwitchOnOff }			
5	+ts_IMM_UE_SwitchOff			switch off the UE
6	+t_IMS_Detach			
7	{pc_DetachOnPwrOn }			
8	+ts_IMM_UE_PwrOn			power off the UE
9	+t_IMS_Detach			
10	{NOT p_USIM_RevId } OR {NOT pc_USIM_Rev } OR {NOT pc_DetachOnUSM_Rev } AND {NOT pc_SwitchOnOff } AND {NOT pc_DetachOnPwrOn }			
11	+ts_IMM_UE_PwrOn			power off the UE
t_IMS_Detach				
12	+ts_RRC_ConfReq (s_CellId, val_MO_detach)			Connection Establishment Req
13	TSP DoRRC_ReqData (tcv_Start = RRC_ReqDataStart)	cc_rlcDirectTransfer (tcv_CellDedicated, tcv_RBS, c_IMSI_DetachReq)	(F)	
14	+ ts_SS_SecurityDownloadStart (cc_domain, tcv_Start)			
15	+ts_RRC_ConfReq(p_CellId, val_Dch)			Connection Release
16	+ ts_RRC_ConfRejectReq_Detach (s_CellId)			

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_Iv for the mobileId element

Source of change New change

Label WA#NAS3047

PDU Constraint Declaration				
Constraint Name	c_IMSI_DetachInd2			
Group				
PDU Name	MSDETACHINDICATION			
Destination Path				
Encoding Rule Name				
Encoding Variants				
Comments	WA#NAS3047			
Field Name	Element Value	Type Encoding	Comments	
msgIndicator	'0000'B			
msgPducdscIndicator	'0101'B			
msgType	'77800081'B			
msgClass	c_MS_Class1_Def			
mobileId	c_MobileIMSI_Iv		IMS DETACH INDICATION message carries IMS info reason element	

4.8 tc_9_4_8:It_Reconfigure, line 1 (WA#NAS3048)

Test step name tc_9_4_8:It_Reconfigure, line 1

Reason for change according to T1-04305 a IMSI detach should be considered after a successful Location Update procedure

Summary of change exchange in tc_9_4_8: It_Reconfigure in line 1 the test step ts_MM_PwrOrUSIM_Off with ts_MM_IMSI_Detach_with_IMSI

Source of change New change

Label WA#NAS3048

It_Reconfigure			
18	+ts_MM_IMSI_Detach_with_IMSI(tc_CellA,tc_USIM_NeedPwr)		Step 10 Deactivate the UE WA#NAS3048
19	{tc_CellInfoA.attenuationLevel+ts_AttenationNonSubstNeighbourCell, tc_CellInfoB.attenuationLevel+ts_AttenationSubstNeighbourCell, tc_CellInfoC.attenuationLevel+ts_AttenationSubstNeighbourCell }		Step 11 Set specific values for Cells A,B,C
20	+ts_SetAttenuationLevel (tc_CellA, tc_CellInfoA.attenuationLevel)		Set type of Cell A to non suitable, WA#NAS3048
21	+ts_SetAttenuationLevel (tc_CellB, tc_CellInfoB.attenuationLevel)		Set type of Cell B to suitable neighbour cell
22	+ts_SetAttenuationLevel (tc_CellC, tc_CellInfoC.attenuationLevel)		Set type of Cell C to suitable neighbour cell
23	+ts_MM_PwrOrUSIM_On(tc_USIM_NeedPwr)		Step 12 Activation of the UE in automatic network selection mode
24	+E_Condisc		

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, Cipherring 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	
⌘ TS 34.123-3 CR 316 ⌘ rev - ⌘	Current version: 3.4.0 ⌘

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

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

Title:	⌘ Addition of NAS test case 12.6.1.2 to NAS ATS V3.4.0		
Source:	⌘ Rohde & Schwarz		
Work item code:	⌘ N/A	Date:	⌘ 03/02/2004
Category:	⌘ B	Release:	⌘ R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ To add verified GCF package 2 NAS test case 12.6.1.2 to the approved NAS ATS V3.4.0
Summary of change:	⌘ This document lists all changes applied to test case 12.6.1.2 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘ Test case will not be added to ATS

Clauses affected:	⌘ N/A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘ A corresponding prose CR will be raised
	Y	N									
	<input type="checkbox"/>	<input checked="" type="checkbox"/>									
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Test specifications											
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 <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

Title: Changes to test case 12.6.1.2 required for approval
Source: Rohde & Schwarz
Agenda Item: TTCN Issues
Document for: Approval
Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
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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
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
Label WA#NAS4242

Test Step Id:	ts_RegistrationOnCS2 (p_CellId : INTEGER)		
Test Step Group Ref:	GMM_InternalSteps/		
Objective:	Register to CS services according to 3GPP 34.108 clause 7.2.2.1. Registration parameter IMSI is used.		
Defaults:	NAS_OtherwiseFail		
Comments:	Note that it is assumed that the UE has already a DCCH connection. Connection establishment and release have to be managed by the user of this test step. WA#NAS4243		

...	...	Behaviour Description	Constraint Ref	...	Comments
1		+ts_SetTmpCellInfo (p_CellId)			Fetch SS_Cell_info table corresponding to the cell
2		Dc?RRC_DataInd (tcv_Start => RRC_DataInd.start)	car_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cb_LocUpdReqAny(?)		LOCATION UPDATING REQUEST WA#NAS4242
3		+ts_SS_SecurityDownloadStart (cs_domain, tcv_Start)			
4		+ts_MM_Authentication(p_CellId)			AUTHENTICATION REQUEST AUTHENTICATION RESPONSE
5		+ts_RRC_Security(p_CellId, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, cs_domain)			SECURITY MODE COMMAND SECURITY MODE COMPLETE
6		DclRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, cs_LocUpdAcplMSI(tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.mnc, tcv_TmpCellInfo.lac))		LOCATION UPDATING ACCEPT WA#NAS4242

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

Label WA#NAS4364

...	Behaviour Description	Constrain...	Verdict	Comments
1	START t_Guard(300)			
2	+ts_InitVariables			
3	(tcv_CellInfoA.nmo = tsc_NMO_I1, tcv_CellInfoB.attenuationLevel = tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoB.nmo = tsc_NMO_I1, tcv_CellInfoB.rac = tsc_RAC_2)			Test case specific cell settings WA#NAS4364
4	+ts_GMM_Config_CellA_CellB			Configure cell A and cell B
5	+ts_GMM_AttachReject (tsc_CellA)			Invalidate temporary USIM parameters

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_TestBody				
25	(tcv_TestBody = TRUE)		(P)	
26	+ts_MMI_UE_SwitchOnTriggerGMM_Attach			WA#NAS4381
27	+ts_RRC_ConnEst(tsc_CellA, est_Reg, registration)			
28	(tcv_GMM_AttachExpect = TRUE, tcv_GMM_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 sequence 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 parameters including tcv_PS_AuthCK and tcv_PS_AuthIK WA#NAS4385
52	Dc1RRC_DataReq	ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_AuthAndCiphReq (c_GMM_AuthRAND (tcv_AuthRAND), c_GMM_KeySeq_t (tcv_PS_KeySeq), c_GMM_AuthAUTN (tcv_AuthAUTN))		Step 6. AUTHENTICATION AND CIPHERING REQUEST using relevant PS keys computed 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. Therefore 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#NAS4366

31	+ts_VerifyNoAccess (10 * 1)			Step 10
32	+ts_SS_SwitchCellPowerLevels(tsc_CellB, tsc_CellA)			Step 11 WA#NAS4366
33	+ts_VerifyNoAccess (30 * 1)			Step 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. Therefore 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

42	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)			WA#NAS4310
43	(tcv_CellInfoB.attFlag = tsc_AtoOff)			WA#NAS4367
44	+ts_SysInfoModifyMM(tsc_CellB, tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac, tcv_CellInfoB.attFlag, tcv_CellInfoB.t3212, tcv_CellInfoB.rac, tcv_CellInfoB.nmo)			WA#NAS4367
45	+ts_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 bring 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. Therefore 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(tsc_CellB, tsc_CellA)		Set again cell A as Serving cell WA#NAS4368
It_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

51	Dc I RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AuthAndCiphReq (c_GMM_AuthRAND(tc_v_AuthRAND), c_GMM_KeySeq_t(tc_v_PS_KeySeq), c_GMM_AuthAUTN(tc_v_AuthAUTN)))	Step 6. AUTHENTICATION AND CIPHERING REQUEST using relevant PS keys computed before.
52	+It_AuthAndCiph_Resp		Step 7. WA#NAS4194
53	Dc I RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AuthAndCiphRej)	Step 8. AUTHENTICATION AND CIPHERING REJECT
...			
It_AuthAndCiph_Resp			
63	Dc ? RRC_DataInd (tcv_TmpAuthAndCiphRspPDU => RRC_DataInd.msg, tcv_AuthRsp := tcv_TmpAuthAndCiphRspPDU.authRsp.value, tcv_AuthRspExt := tcv_TmpAuthAndCiphRspPDU.authRspExt)	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AuthAndCiphRsp (c_AuthRspAny_tv, c_AuthCiphRspExtAny))	Step 7. AUTHENTICATION AND CIPHERING RESPONSE including Authentication Response parameters (RES) WA#NAS4194
64	Dc ? RRC_DataInd (tcv_TmpAuthAndCiphRspPDU => RRC_DataInd.msg, tcv_AuthRsp := tcv_TmpAuthAndCiphRspPDU.authRsp.value)	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_AuthAndCiphRsp (c_AuthRspAny_tv, -))	Step 7. AUTHENTICATION AND CIPHERING RESPONSE including Authentication Response parameters (no extension) WA#NAS4194

4.3.9 WA#NAS4370

Test step name tc_12_6_1_2 : It_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_Attach_Steps_20To22			
56	+ts_RRC_ConnEst(tsc_CellB, est_Reg, registration)		WA#NAS4370
57	Do ? RRC_DataInd (tcr_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc _CellDedicated, tsc_RB3, cr_AttachReq(c_GMM_AttachTypePS_Only, c_MobileIdIMSI_h, ?, tcr_PS_KeySeq))	Step 20. ATTACH REQUEST - Attach type is 'PS attach' - Mobile Id = IMSI
58	+ts_SS_SecurityDownloadStart(ps_domain, tcr_Start)		

4.3.10 WA#NAS4310

Test step name tc_12_6_1_2 : It_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_IfOpModeA(tsc_CellB)		Step 19
42	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)		WA#NAS4310
43	(tcr_CellInfoB.attFlag = tsc_ATTOff)		WA#NAS4367
44	+ts_SystemInfoModifyMM(tsc_CellB, tcr_CellInfoB.mcc, tcr_CellInfoB.mnc, tcr_CellInfoB.lac, tcr_CellInfoB.attFlag, tcr_CellInfoB.t3212, tcr_CellInfoB.rac, tcr_CellInfoB.nmo)		WA#NAS4367
45	+ts_AT_TriggerGMM_Attach		WA#NAS4310
46	+It_Attach_Steps_20To22		On cell B
47	+ts_GMM_DetachOnSwitchOff(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, Cipherring 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

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 258 # rev - #	Current version: 3.5.1 #

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Revised CR for P3 NAS test case 13.2.2.1 to NAS ATS V3.5.1 (revision of T1-040239)		
Source:	# Anritsu Limited		
Work item code:	# N/A	Date:	# 25/05/2004
Category:	# B	Release:	# R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

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

How to create CRs using this form:

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

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

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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2	Table of Contents	1
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4.1	Introduction	2

3 Verification Test Summary

Test Case: tc_13_2_2_1
ATS Version: iWD-TVB2003-03_D04wk17
Domain Tested: CS
Test Configuration: Integrity Enabled
Cipherring 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.

CR-Form-v7	
CHANGE REQUEST	
# TS 34.123-3 CR 259 # rev - #	Current version: 3.5.1 #

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

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# 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:	# 25/05/2004
Category:	# B	Release:	# R99
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# 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:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
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Title: Changes to test case 13.2.2.2 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 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
Cipherring 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.