Source: **T1**

Title: **Summary of TTCN CRs B category to 34.123-3 for approval**

Agenda item: **6.1.3**

Document for: **Approval**

This document contains the TTCN CRs B category to 34.123-3. These CRs have been agreed by T1 and are put forward to TSG T for approval.

Doc-2nd-Level	*CR*	*Rev*	*Phase*	*Subject*	*Test case nr.*	*Cat*	*Version-Current*	*Version-New*
T1s050056	1185	-		RRC Connection Establishment: Reject with InterRATInfo is set to GSM and selection to the designated system fails	8.1.2.13	B	3.8.0	5.0.0
T1s050054	1186	-		RRC Connection Establishment: Reject with interRATInfo is set to GSM	8.1.2.12	B	3.8.0	5.0.0
T1s050044	1187	-		MM connection / abortion by the network / cause not equal to #6	9.5.7.2	B	3.8.0	5.0.0
T1s050046	1188	-		PS detach / rejected / PS services not allowed in this PLMN/ test1	12.3.2.8 Proc 1	B	3.8.0	5.0.0
T1s050018	1189	-		Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes	12.4.1.5	B	3.8.0	5.0.0
T1s050038	1190	-		RRC / Paging for Connection in connected mode (URA_PCH, multiple paging records)	8.1.1.10	B	3.8.0	5.0.0
T1s050036	1191	-		Combined routing area updating / abnormal cases / access barred due to access class control / test procedure 1	12.4.2.6 Proc 1	B	3.8.0	5.0.0
T1s050034	1192	-		Combined routing area updating / abnormal cases / access barred due to access class control / test procedure 2	12.4.2.6 Proc 2	B	3.8.0	5.0.0
T1s050025	1193	-		Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 20 ms TTI	14.2.32.2	B	3.8.0	5.0.0
T1s050031	1194	-		Measurement Report on INITIAL DIRECT TRANSFER message and UPLINK DIRECT TRANSFER message	8.1.6.3	B	3.8.0	5.0.0

T1s050023	1195	-		Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	14.2.9	B	3.8.0	5.0.0
T1s050010	1196	-		Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	14.2.34.1	B	3.8.0	5.0.0
T1s050008	1197	-		Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	14.2.28	B	3.8.0	5.0.0
T1s050001	1198	-		Cell change order from UTRAN/To GPRS/CELL_DCH/Failure (Physical channel & Reversion Failure)	8.3.11.4	B	3.8.0	5.0.0
T1s050006	1199	-		RRC Connection Release in CELL_DCH state (Network Authentication Failure): Success	8.1.3.9	B	3.8.0	5.0.0
T1s040798	1200	-		Inter system handover from UTRAN/To GSM/Speech/Failure (Physical channel Failure and Reversion Failure)	8.3.7.12	B	3.8.0	5.0.0
T1s040794	1201	-		Cell reselection using cell status and cell reservations	6.1.2.9	B	3.8.0	5.0.0
T1s040796	1202	-		RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_FACH (Frequency band modification): Success	8.1.2.10	B	3.8.0	5.0.0
T1s040755	1203	-		Correct Selection of RACH parameters (FDD)	7.1.2.3.1	B	3.8.0	5.0.0
T1s040791	1204	-		Measurement Control and Report: Additional Measurements list	8.4.1.41	B	3.8.0	5.0.0
T1s040779	1205	-		PS attach / rejected / PS services not allowed in this PLMN	12.2.1.5d	B	3.8.0	5.0.0
T1s040757	1206	-		Access Service class selection for RACH transmission	7.1.2.4a	B	3.8.0	5.0.0
T1s040746	1207	-		Selection of RAT for UPLMN; Automatic mode	6.2.1.7	B	3.8.0	5.0.0
T1s040748	1208	-		Selection of RAT for OPLMN; Automatic mode	6.2.1.8	B	3.8.0	5.0.0
T1s040701	1209	-		Cell reselection if cell becomes barred or S<0; UTRAN to GPRS (CELL_FACH)	8.3.9.1	B	3.8.0	5.0.0
T1s040719	1210	-		Service Request / RAB re-establishment / UE initiated / multiple PDP contexts	12.9.13	B	3.8.0	5.0.0

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01 Jan - 31 Dec 2005

Tdoc ⌘T1s050056

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** ***1185*** ⌘ **rev** **-** ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of WI-12 test cases 8.1.2.13 to IR_U ATS v3.8.0
Source:	⌘	Aeroflex
Work item code:	⌘	N/A
Date:	⌘	11/02/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add WI-12 IR_U test case 8.1.2.13 to the approved IR_U ATS v3.8.0
Summary of change:	⌘	This document lists all changes applied to test case 8.1.2.13 required for approval.
Consequences if not approved:	⌘	Test case will not be added to ATS.

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

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

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

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

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

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

Title: **Changes to test case 8.1.2.13 required for approval**

Source: Aeroflex

Document for: Approval

Contact: **Kundan Sehmbey**
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Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.1.2.13, which is part of IR_U test suite. Minimum changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_1_2_13

Test Group: IR_U/RRC/RRC_ConnMgmt

ATS Version: IR_U_wk04 + modifications

System Simulator used: RIWS 6401 AIME/CT ISHO

UE used: Nokia 3G UE 6630

Verification Status: PASS

4 Corrections required for test case 8.1.2.13

4.1 Introduction

This documents lists the changes made to test case 8_1_2_13 to make it work with 3G UE. The changes made are given a change label and are explained in the following session.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	*tc_8_1_2_13*
Reference ATS	*IR_U_wk04.mp*
Change Label	*AEROFLEX#IR_U0101*
Reason for change	<*Textual description of change reason*>.
Summary of change	<*Textual description of performed changes*>
Other affected objects	< *other fields affected*> (optional)
ETSI comment	
AEROFLEX conclusion	

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

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

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

Change Label: Textual identifier starting with the fixed string '*AEROFLEX#IR_U*', followed by a 4-digit number (e.g. *AEROFLEX#IR_U* 0101). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.

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

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

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

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

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

4.3 Modifications

4.3.1 tc_8_1_2_13

TTCN object	tc_8_1_2_13
Reference ATS	*IR_U_wk04.mp*[2]
Change Label	*AEROFLEX#IR_U* 0351
Reason for change	After creating the GSM cell, the power level should be reduced or switched off so that UE can select UMTS
Summary of change	At row # 9, Used test step +ts_GSM_SetCellPowerLevel2Ch (tsc_GSM_CellA, tsc_PhyCh0, tsc_PhyCh1, tsc_ChPwrLvl_Off) just after creating the GSM cell.
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change

6		+ts_SendModifiedSysInfoSIB11_12(tsc_CellA)
7		+ts_SendSIB1_LongNeighCellInfo (cd_SIB1_N300(tcv_TmpCellInfo), tsc_CellA, tsc_Now)
8		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)
9		+ts_IdleUpdated (tsc_CellA)
10	TBS	(tcv_TestBody := TRUE)
11		+lt_TestBody
12	TBE	(tcv_TestBody := FALSE)
13		+po_ConnectionAndSS_Rels

After Change

6		+ts_SendModifiedSysInfoSIB11_12(tsc_CellA)
7		+ts_SendSIB1_LongNeighCellInfo (cd_SIB1_N300(tcv_TmpCellInfo), tsc_CellA, tsc_Now)
8		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)
9		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_PhyCh1 , tsc_ChPwrLvl_Off)
10		+ts_IdleUpdated (tsc_CellA)
11	TBS	(tcv_TestBody := TRUE)
12		+lt_TestBody

4.3.2 tc_8_1_2_13

TTCN object	tc_8_1_2_13
Reference ATS	*IR_U_wk04.mp*[2]
Change Label	*AEROFLEX#IR_U* 0352
Reason for change	After idle update on UMTS cell, the GSM cell should be made active.
Summary of change	At row # 11, Used test step +ts_GSM_SetCellPowerLevel2Ch (tsc_GSM_CellA, tsc_PhyCh0, tsc_PhyCh1, tsc_ChPwrLvl_50dBm) just after idle update on UMTS cell.
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change

6		+ts_SendModifiedSysInfoSIB11_12(tsc_CellA)
7		+ts_SendSIB1_LongNeighCellInfo (cd_SIB1_N300(tcv_TmpCellInfo), tsc_CellA, tsc_Now)
8		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)
9		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_PhyCh1 , tsc_ChPwrLvl_Off)
10		+ts_IdleUpdated (tsc_CellA)
11	TBS	(tcv_TestBody := TRUE)
12		+lt_TestBody

After Change

7		+ts_SendSIB1_LongNeighCellInfo (cd_SIB1_N300(tcv_TmpCellInfo), tsc_CellA, tsc_Now)
8		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)
9		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_PhyCh1 , tsc_ChPwrLvl_Off)
10		+ts_IdleUpdated (tsc_CellA)
11		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_PhyCh1 , tsc_ChPwrLvl_50dBm)
12	TBS	(tcv_TestBody := TRUE)
13		+lt_TestBody

4.3.3 lt_TestBody

TTCN object	tc_8_1_2_13
Reference ATS	*IR_U_wk04.mp*[2]
Change Label	*AEROFLEX#IR_U* 0353
Reason for change	In testbody if +po_GSM_SS_CellRelease step is used, it will take some time to delete the GSM cell and as a result the effective time will be more than 9 sec and UE would send RRC connection Request within the timer expiry.
Summary of change	At row # 22, used test step +ts_GSM_SetCellPowerLevel2Ch (tsc_GSM_CellA, tsc_PhyCh0, tsc_PhyCh1, tsc_ChPwrLvl_Off). Instead of +po_GSM_SS_CellRelease (tsc_GSM_CellA)
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change:

		lt_TestBody	
19		+ ts_AT_InitCallCS	
20		TM?RLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity)	car_RRC_ConnReq(tsc_CellA, tsc_RB0, cbr_108_RRC_ConnReq (tcv_RRC_EstCauMO))
21		UM!RLC_UM_DATA_REQ	cas_RRC_ConnRej(tsc_CellA, tsc_RB0, cs_RRC_ConnRej_InterRATInfo (tcv_InitialUE_Id, tcv_RRC_Ti, unspecified, 10))
22		+po_GSM_SS_CellRelease (tsc_GSM_CellA)	
23		START t_WaitS (10 - 1)	
24		TM ? OTHERWISE	
25		? TIMEOUT t_WaitS	

After Change:

19		+ ts_AT_InitCallCS	
20		TM?RLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity)	car_RRC_ConnReq(tsc_CellA, tsc_RB0, cbr_108_RRC_ConnReq (tcv_RRC_EstCauMO))
21		UM!RLC_UM_DATA_REQ	cas_RRC_ConnRej(tsc_CellA, tsc_RB0, cs_RRC_ConnRej_InterRATInfo (tcv_InitialUE_Id, tcv_RRC_Ti, unspecified, 10))
22		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_PhyCh1 , tsc_ChPwrLvl_Off)	
23		START t_WaitS (10 - 1)	
24		TM ? OTHERWISE	
25		? TIMEOUT t_WaitS	

4.3.4 tc_8_1_2_13

TTCN object	tc_8_1_2_13
Reference ATS	*IR_U_wk04.mp* [2]
Change Label	*AEROFLEX#IR_U* 0354
Reason for change	GSM cell needs to be terminated properly in post amble part (due to above change)
Summary of change	At row # 16, used +po_GSM_SS_CellRelease (tsc_GSM_CellA)
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change:

8		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)
9		+ts_IdleUpdated (tsc_CellA)
10	TBS	(tcv_TestBody := TRUE)
11		+lt_TestBody
12	TBE	(tcv_TestBody := FALSE)
13		+po_ConnectionAndSS_Rels
14	ERR1	[px_RAT = tdd]
15	ERR2	[TRUE]

After Change:

10		+ts_IdleUpdated (tsc_CellA)
11		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_PhyCh1 , tsc_ChPwrLvl_50dBm)
12	TBS	(tcv_TestBody := TRUE)
13		+lt_TestBody
14	TBE	(tcv_TestBody := FALSE)
15		+po_ConnectionAndSS_Rels
16		+po_GSM_SS_CellRelease (tsc_GSM_CellA)
17	ERR1	[px_RAT = tdd]
18	ERR2	[TRUE]
		lt_TestBody

4.4 Changes referred to from previous CRs

N/A

5 Branches executed in test case 8.1.2.13

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

6 Execution Log Files

The Nokia 3G UE 6630 passed this test case in CS+PS mode on the RIWS 6401 AIME/CT ISHO. Log of the successful test case execution is enclosed in T1s050057.zip [1]

7 References

[1]	T1s050057.zip Attachment containing the Successful log and the TTCN MP file for *tc_8_1_2_13*.
[2]	*IR_U_wk04*.mp ETSI *IR_U* ATS version of week 04.

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1186 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of WI-12 test cases 8.1.2.12 to IR_U ATS v3.8.0
Source:	⌘	Aeroflex
Work item code:	⌘	N/A
Date:	⌘	11/02/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add WI-12 IR_U test case 8.1.2.12 to the approved IR_U ATS v3.8.0
Summary of change:	⌘	This document lists all changes applied to test case 8.1.2.12 required for approval.
Consequences if not approved:	⌘	Test case will not be added to ATS.

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

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

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

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

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

Title: **Changes to test case 8.1.2.12 required for approval**

Source: Aeroflex

Document for: Approval

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

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.1.2.12, which is part of IR_U test suite. Minimum changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_1_2_12

Test Group: IR_U/RRC/RRC_ConnMgmt

ATS Version: IR_U_wk04 + modifications

System Simulator used: RIWS 6401 AIME/CT ISHO

UE used: Nokia 3G UE 6630

Verification Status: PASS

4 Corrections required for test case 8.1.2.12

4.1 Introduction

This documents lists the changes made to test case 8_1_2_12 to make it work with 3G UE. The changes made are given a change label and are explained in the following session.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	*tc_8_1_2_12*
Reference ATS	*IR_U_wk04.mp*
Change Label	*AEROFLEX#IR_U0101*
Reason for change	<*Textual description of change reason*>.
Summary of change	<*Textual description of performed changes*>
Other affected objects	< *other fields affected*> (optional)
ETSI comment	
AEROFLEX conclusion	

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

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

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

Change Label: Textual identifier starting with the fixed string '*AEROFLEX#IR_U*', followed by a 4-digit number (e.g. *AEROFLEX#IR_U* 0101). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.

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

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

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

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

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

4.3 Modifications

4.3.1 tc_8_1_2_12

TTCN object	tc_8_1_2_12
Reference ATS	*IR_U_wk04.mp*[2]
Change Label	*AEROFLEX#IR_U* 0341
Reason for change	After creating the GSM cell, the power level should be reduced or switched off so that UE can select UMTS
Summary of change	At row # 8, Used test step +ts_GSM_SetCellPowerLevel2Ch (tsc_GSM_CellA, tsc_PhyCh0, tsc_PhyCh1, tsc_ChPwrLvl_Off) just after creating the GSM cell.
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change

6		+ts_SendModifiedSysInfoSIB11_12(tsc_CellA)	
7		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)	
8		+ts_IdleUpdated (tsc_CellA)	
9	TBS	(tcv_TestBody := TRUE)	
10		+lt_TestBody	
11	TBE	(tcv_TestBody := FALSE)	
12		+po_GSM_SS_CellRelease (tsc_GSM_CellA)	

After Change

6		+ts_SendModifiedSysInfoSIB11_12(tsc_CellA)
7		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)
8		+ts_GSM_SetChPowerLevel(tsc_GSM_CellA, tsc_PhyCh0,tsc_ChPwrLvl_Off)
9		+ts_IdleUpdated (tsc_CellA)

4.3.2 tc_8_1_2_12

TTCN object	tc_8_1_2_12
Reference ATS	*IR_U_wk04.mp*[2]
Change Label	*AEROFLEX#IR_U* 0342
Reason for change	After idle update on UMTS cell, the GSM cell should be made active.
Summary of change	At row # 10, Used test step +ts_GSM_SetCellPowerLevel2Ch (tsc_GSM_CellA, tsc_PhyCh0, tsc_PhyCh1, tsc_ChPwrLvl_50dBm) just after idle update on UMTS cell.
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change

6		+ts_SendModifiedSysInfoSIB11_12(tsc_CellA)
7		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)
8		+ts_GSM_SetChPowerLevel(tsc_GSM_CellA, tsc_PhyCh0,tsc_ChPwrLvl_Off)
9		+ts_IdleUpdated (tsc_CellA)
10	TBS	(tcv_TestBody := TRUE)
11		+lt_TestBody
12	TBE	(tcv_TestBody := FALSE)

After Change

7		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)
8		+ts_GSM_SetChPowerLevel(tsc_GSM_CellA, tsc_PhyCh0,tsc_ChPwrLvl_Off)
9		+ts_IdleUpdated (tsc_CellA)
10		+ts_GSM_SetChPowerLevel(tsc_GSM_CellA, tsc_PhyCh0,tsc_ChPwrLvl_50dBm)
11	TBS	(tcv_TestBody := TRUE)
12		+lt_TestBody
13	TBE	(tcv_TestBody := FALSE)

4.3.3 lt_TestBody

TTCN object	tc_8_1_2_12
Reference ATS	*IR_U_wk04.mp*[2]
Change Label	*AEROFLEX#IR_U* 0343
Reason for change	As per prose, UE should establish MO call in GSM cell and enter into U10 state.
Summary of change	Created a new test step +ts_G_CC_EnterU10_MO (tsc_GSM_CellA) and used this at row # 24 instead of +ts_G_CC_EnterU10_MT_Speech (tsc_GSM_CellA)
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change

21		+ts_GERANIdleUpdated(tsc_GSM_CellA, bcch)
22		+lt_G_ConfigTrafficChannel
23		+ts_InitAssigmentCmd (tcv_Ch_Mode)
24		+ts_G_CC_EnterU10_MT_Speech (tsc_GSM_CellA)
25		+ts_G_CC_CheckState (tsc_GSM_CellA, '001010'B)
26		+ts_G_Disconnect(tsc_GSM_CellA, tsc_G_TrchId1)
	lt_InitVariables	

After Change

21		+ts_GERANIdleUpdated(tsc_GSM_CellA, bcch)
22		+lt_G_ConfigTrafficChannel
23		+ts_InitAssigmentCmd (tcv_Ch_Mode)
24		+ts_G_CC_EnterU10_MO (tsc_GSM_CellA)
25		+ts_G_CC_CheckState (tsc_GSM_CellA, '001010'B)
26		+ts_G_Disconnect(tsc_GSM_CellA, tsc_G_TrchId1)
	lt_InitVariables	

Details of the step +ts_G_CC_EnterU10_MO

ts_G_CC_EnterU10_MO in IR_U_wk04<2> [tc_8_1_2_12_wk04.mp]

Test Step Name	ts_G_CC_EnterU10_MO (p_GCellId : INTEGER)
Group	M_RAT_HO_GSM_Specific/
Objective	
Default	IntersystemDef
Comments	
Description	establishmnet of an outgoing call

	Nr	Label	Behaviour Description	Constraints Ref	Ve	Comments
	1		+ts_G_RR_Con_Est (p_GCellId)			
	2		+ts_G_CMServiceReq_MO(p_GCellId)			
	3		G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_GCellId, 0, tsc_PhyCh0, tcv_RR_ChannelType, tcv_RR_Subchannel, c_G_RFN_Omit, c_CM_ServAcp)		Send CM Service Accept because not doing ciphering here @sic ER1878 sic@
	4		+ts_G_Rcv_SetUp (p_GCellId)			Then wait for Setup
	5		(tcv_TI_S := cs_TI_MT, tcv_TI_S.tiFlag := '1'B)			
	6		G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_GCellId, 0, tsc_PhyCh0, tcv_RR_ChannelType , tcv_RR_Subchannel , c_G_RFN_Omit, cs_CallProc (tcv_TI_S))		
	7		+ts_G_Assignment (p_GCellId)			
	8		G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_GCellId, 0, tsc_G_TrchId1, tcv_RR_ChannelType2 , tcv_RR_Subchannel2 , c_G_RFN_Omit, cs_Alert (tcv_TI_S))		
	9		G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_GCellId, 0, tsc_G_TrchId1, tcv_RR_ChannelType2 , tcv_RR_Subchannel2 , c_G_RFN_Omit, cs_Connect (tcv_TI_S))		
	10		G_L2 ? G_L2_DATA_IND	c_G_L2_DATA_IND (p_GCellId, cr_ConnAck(?))		

4.3.4 ts_G_CC_CheckState

TTCN object	tc_8_1_2_12
Reference ATS	*IR_U_wk04.mp*[2]
Change Label	*AEROFLEX#IR_U* 0344
Reason for change	Wrong channel type and sub channel type used in constraint cas_G_L2_DATA_REQ
Summary of change	Used tcv_RR_ChannelType2 and tcv_RR_Subchannel2 instead of tcv_RR_ChannelType and tcv_RR_Subchannel respectively.
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change

1		G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_CellId, 0, tsc_G_TrchId1 , tcv_RR_ChannelType , tcv_RR_Subchannel , c_G_RFN_Omit, cs_StatusEnq (tcv_TI_S))		
2		G_L2 ? G_L2_DATA_IND	c_G_L2_DATA_IND (p_CellId, cr_Status (tcv_TI_R , p_State, 30))	(P)	
3		G_L2 ? OTHERWISE		(F)	

After Change

1		G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_CellId, 0, tsc_G_TrchId1, tcv_RR_ChannelType2 , tcv_RR_Subchannel2 , c_G_RFN_Omit, cs_StatusEnq (tcv_TI_S))	
2		G_L2 ? G_L2_DATA_IND	c_G_L2_DATA_IND (p_CellId, cr_Status (tcv_TI_R , p_State, 30))	(P)
3		G_L2 ? OTHERWISE		(F)

4.3.5 lt_G_ConfigTrafficChannel

TTCN object	tc_8_1_2_12
Reference ATS	*IR_U_wk04.mp*[2]
Change Label	*AEROFLEX#IR_U* 0345
Reason for change	Channel mode is not assigned and used properly. Channel mode should be of type speech.
Summary of change	Assigned the channel mode at row # 32 (tcv_Ch_Mode: = c_G_ChModeSpeechFROrHRV1) and used this in +ts_SS_CreatePhyChOfTrafficChType (tsc_GSM_CellA, tsc_G_TrchId1, tsc_G_TimeSlot, tcv_Ch_Mode, 1).
Other affected objects	
ETSI comment	
AEROFLEX conclusion	

Before Change:

27		+ts_GSM_InitVariablesAllBands
28		+ts_GSM_InitVariablesSpecific26_6_5_1_2 (tsc_GSM_CellA)
29		(tcv_IdleSIB11_CellA := c_SIB11_3_Intra3_Inter2_InterRAT_Def (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_G_CellInfoA, tcv_G_CellInfoB), tcv_IdleSIB12_CellA := c_SIB12_3_Intra3_Inter2_InterRAT_Def (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_G_CellInfoA, tcv_G_CellInfoB))
		lt_G_ConfigTrafficChannel
30		+ts_SS_CreatePhyChOfTrafficChType(tsc_GSM_CellA, tsc_G_TrchId1, tsc_G_TimeSlot, c_G_ChModeDataRl_14_5, 1)

After Change:

30		+ts_GSM_InitVariablesSpecific26_6_5_1_2 (tsc_GSM_CellA)
31		(tcv_IdleSIB11_CellA := c_SIB11_3_Intra3_Inter2_InterRAT_Def (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_G_CellInfoA, tcv_G_CellInfoB), tcv_IdleSIB12_CellA := c_SIB12_3_Intra3_Inter2_InterRAT_Def (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_G_CellInfoA, tcv_G_CellInfoB))
		lt_G_ConfigTrafficChannel
32		(tcv_Ch_Mode := c_G_ChModeSpeechFROrHRV1)
33		+ts_SS_CreatePhyChOfTrafficChType(tsc_GSM_CellA, tsc_G_TrchId1, tsc_G_TimeSlot, tcv_Ch_Mode, 1)

4.4 Changes referred to from previous CRs

N/A

5 Branches executed in test case 8.1.2.12

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

6 Execution Log Files

The Nokia 3G UE 6630 passed this test case in CS+PS mode on the RIWS 6401 AIME/CT ISHO. Log of the successful test case execution is enclosed in T1s050055.zip [1]

7 References

[1]	T1s050055.zip Attachment containing the Successful log and the TTCN MP file for *tc_8_1_2_12*.
[2]	*IR_U_wk04*.mp ETSI *IR_U* ATS version of week 04.

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1187** ⌘ **rev** **-** ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of NAS WI 12 test case 9.5.7.2 to NAS ATS V3.8.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	09/02/2005
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI 12 NAS test cases 9.5.7.2 to the approved NAS ATS V3.8.0.
Summary of change:	⌘	This document lists all changes applied to test case 9.5.7.2 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS.

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

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

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

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

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

3GPP TSG-T1 E-Mail 2005 **T1s050044**
01 Jan - 31 Dec 2005

Title: **Changes to test case 9.5.7.2 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 9.5.7.2. 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.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_5_7_2
Test Group:	MM\MM_Connection
ATS Version:	iWD-TVB2003-03_D05wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 6630
Verification Status:	PASS

4 Corrections required for test case 9.5.7.2

4.1 Introduction

This section describes the changes required to make test case 9.5.7.2 run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<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_D05wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package WI 10 and WI 12 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.5.7.2:

4.2 tc_9_5_7_2 (WA#NAS4695)

Test step name	tc_9_5_7_2
Reason for change	t_Guard not long enough.
Summary of change	Increased t_Guard value to (600).
Source of change	New Change
Label	WA#NAS4695

Test Case	
Test Case Id:	tc_9_5_7_2
Test Group Reference:	MM/MM_Connection/
Purpose:	To check that when multiple MM connections are established, the UE releases all MM connections upon reception of an ABORT message, in the case when t he two MM connections are established for a mobile terminating call and a non call related supplementary service operation.
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial Conditions of UE: The UE is in state U10 of a mobile terminating call.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(600)			WA#NAS4695
2		+ts_InitVariables			
3		+ts_MM_SetNMO_II			Set the NMO for all cells to NM O II @sic EW ER 1586 sic@

4.3 tc_9_5_7_2 (WA#NAS4696)

Test step name	tc_9_5_7_2
Reason for change	“ts_CC_BasicServMO_Def” in the preamble calls “ts_UT_ConfigUE_MO” which has no use at thius point (the UE is still switch off and this step configures the UE for MO call using AT or MMI commands).
Summary of change	Used “ts_CC_InitTCV_MO (px_CC_Serv)” instead of “ts_CC_BasicServMO_Def ” in line 5 of the preamble to initiate variables according to the IXIT parameters.
Source of change	New Change
Label	WA#NAS4696

Test Case	
Test Case Id:	tc_9_5_7_2
Test Group Reference:	MM/MM_Connection/
Purpose:	To check that when multiple MM connections are established, the UE releases all MM connections upon reception of an ABORT message, in the case when t he two MM connections are established for a mobile terminating call and a non call related supplementary service operation.
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial Conditions of UE: The UE is in state U10 of a mobile terminating call.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(600)			WA#NAS4695
2		+ts_InitVariables			
3		+ts_MM_SetNMO_II			Set the NMO for all cells to NM O II @sic EW ER 1586 sic@
4		(tcv_CN_Domain:= cs_domain)			Sets domain for testing
5		+ ts_CC_InitTCV_MO (px_CC_Serv)			WA#NAS4696
6		(tcv_CellInfoA.t3212:= tsc_T3212_1)			Set specific values for Cell A
7		+ts_MM_StartCellA			Start cell A
8		+ts_IdleUpdated(tsc_CellA)			Idle Updated on Cell A
9		(tcv_MM_TestExecution := TRUE)			MM test execution starting @sic EW ER 1520 SIC @

4.4 tc_9_5_7_2 (WA#NAS4697)

Test step name	tc_9_5_7_2
Reason for change	TTCN error at line 3 of “lt_Body”: this UL Direct Transfer message is not the first one used (in the preamble (ts_CC_EnterU01) a InitDirectTransfer is already received) so and initial UL Direct Transfer should not be used.
Summary of change	Used “car_UplinkDirectTransfer” instead of “car_InitDirectTransfer” in line 15 (3 of the test body).

Source of change	New Change
Label	WA#NAS4697

Test Case	
Test Case Id:	tc_9_5_7_2
Test Group Reference:	MM/MM_Connection/
Purpose:	To check that when multiple MM connections are established, the UE releases all MM connections upon reception of an ABORT message, in the case when t he two MM connections are established for a mobile terminating call and a non call related supplementary service operation.
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial Conditions of UE: The UE is in state U10 of a mobile terminating call.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
12		+po_ConnectionAndSS_Rels			Release all resources
It_Body					
13	TBS	(tcv_TestBody := TRUE)		(P)	
14		+ts_UT_InitNonCallRelSS			Step 1: 1. Non call related Supplemen tary Service attempt
15		Dc?RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cd_CM_ServReqSuppServ (?))		Step 5: 3. CM Service Request WA#NAS4697
16		Dc!RRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_CM_ServAcp)		Step 6: CM Service Accept WA#NAS4698
17		Dc?RRC_DataInd	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, c_RegisterAny)		Step 7: Register message
18		Dc!RRC_DataReq	ca_DataReq(tsc_CellDedicated,		Step 8: 4. Abort

4.5 tc_9_5_7_2 (WA#NAS4698)

Test step name	tc_9_5_7_2
Reason for change	TTCN error at line 4 of “It_Body”: wrong cell identity used.
Summary of change	Used “tsc_CellDedicated” instead of “tsc_CellA” in line 16 (4 of the test body).
Source of change	New Change
Label	WA#NAS4698

Test Case	
Test Case Id:	tc_9_5_7_2
Test Group Reference:	MM/MM_Connection/
Purpose:	To check that when multiple MM connections are established, the UE releases all MM connections upon reception of an ABORT message, in the case when t he two MM connections are established for a mobile terminating call and a non call related supplementary service operation.
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial Conditions of UE: The UE is in state U10 of a mobile terminating call.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments

It_Body					
13	TBS	(tcv_TestBody := TRUE)		(P)	
14		+ts_UT_InitNonCallRelSS			Step 1: 1. Non call related Supplementary Service attempt
15		Dc?RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cd_CM_ServReqSuppServ (?))		Step 5: 3. CM Service Request WA#NAS4697
16		Dc!RRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_CM_ServAcp)		Step 6: CM Service Accept WA#NAS4698
17		Dc?RRC_DataInd	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, c_RegisterAny)		Step 7: Register message
18		Dc!RRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_ABORT(		Step 8: 4. Abort

5 Branches executed in test case 9.5.7.2

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

6 Execution Log Files

6.1 Nokia 3G UE 6630

The Nokia 6630 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_5_7_2-Nokia-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 9_5_7_2-pics-pixit-Nokia.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s050044**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1188** ⌘ **rev** **-** ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of WI-012 test case 12.3.2.8.1 to NAS ATS V3.8.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	09/02/2005
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI-012 NAS test case 12.3.2.8.1 to the approved NAS ATS V3.8.0
Summary of change:	⌘	This document lists all changes applied to test case 12.3.2.8.1 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:	⌘	**Y**	**N**		
			X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

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Below is a brief summary:

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

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

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

3GPP TSG-T1 E-Mail 2005 ***Tdoc ⌘T1s050046***
01 Jan - 31 Dec 2005

Title: **Changes to test case 12.3.2.8.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
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Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 12.3.2.8.1 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

3 Verification Test Summary

Test Case:	TC_12_3_2_8_1
Test Group:	GMM/Detach_procedures/NW_initiated_detach
ATS Version:	iWD-TVB2003-03_D05wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 6630
Verification Status:	PASS

4 Corrections required for test case 12.3.2.8.1

4.1 Introduction

This section describes the changes required to make test case 12.3.2.8.1 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_D05wk04 release. This is the most recent ATS provided by MCC160 which contains GCF WI-012 test cases.

4.2 tc_12_3_2_8_1 (WA#NAS4699)

Test step name	tc_12_3_2_8_1
Reason for change	The guard timer of 5 minutes for this testcase is too short as it involves atleast 2 timers each of around 6 minutes.
Summary of change	Increased t_guard timer from 300 to 1200
Source of change	New change
Label	WA#NAS4699

1		START t_Guard(20*60)			WA#NAS4699
2		+ts_InitVariables			
3		(tcv_NumOfPLMN := 2, tcv_CellInfoA.nmo := tsc_NMO_II, tcv_CellInfoD.nmo := tsc_NMO_II, tcv_CellInfoD.mnc := tsc_MNC_2, tcv_CellInfoD.lac := tsc_LAC_2, tcv_CellInfoD.attFlag := tsc_AttOff, tcv_CellInfoD.t3212 := tsc_T3212_0, tcv_CellInfoD.attenuationLevel := tsc_Attenuation SuitableNeighbourCell)			Test case specific cell setting s @sic VB attFlag shall be set to Off in all cells sic@

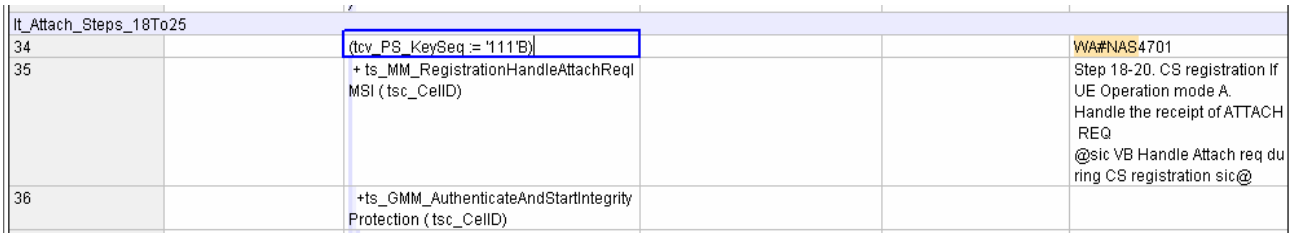
4.3 lt_RAUpd_Steps_27To28 (WA#NAS4700)

Test step name	lt_RAUpd_Steps_27To28
Reason for change	tcv_Assigned_PTMSI_Sig is not updated before entering +ts_GMM_DetachOnSwitchOff(tsc_CellD) .PTMSI-1 signature is assigned to UE by Routing Area Updating Accept message and this should be expected in the DETACH request message.
Summary of change	Added (tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef) in line 24 of the testcase inside lt_TestBody
Source of change	New change
Label	WA#NAS4700

42		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
43		Dc ! RRC_DataReq(tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc4(c_GMM_UpdateResultRA_Updated, c_RAI_v (tcv_CellInfoD.mcc, tcv_CellInfoD.mnc, tcv_CellInfoD.lac, tcv_CellInfoD.rac), c_PTMSI_Signature (px_PTMSI_SigDef), -, - , c_EquivalentPLMN (tcv_CellInfoA.mcc, tcv_CellInfoA.mnc)))		Step 28. ROUTING AREA UPDATING ACCEPT - Update result = 'RA updated' - RAI corresponding to cell D - P-TMSI-1 - P-TMSI-1 signature @sic VB e-PLMN sic@ WA#NAS4700
44		+ts_RRC_ConnRel(tsc_CellD, cell_Dch)			

4.4 lt_Attach_Steps_18To25 (WA#NAS4701)

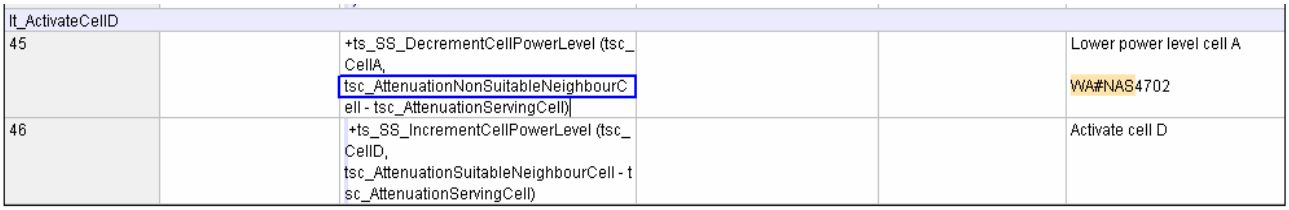
Test step name	lt_Attach_Steps_18To25
Reason for change	According to 24.008 section 10.5.1.2 as no PS key sequence allocated to UE.
Summary of change	Added (tcv_PS_KeySeq := '111'B) at line 34 of the testcase inside lt_Attach_Steps_18To25
Source of change	New change
Label	WA#NAS4701



lt_Attach_Steps_18To25					
34		(tcv_PS_KeySeq := '111'B)			WA#NAS4701
35		+ ts_MM_RegistrationHandleAttachReqI MSI (tsc_CellID)			Step 18-20. CS registration If UE Operation mode A. Handle the receipt of ATTACH REQ @sic VB Handle Attach req du ring CS registration sic@
36		+ts_GMM_AuthenticateAndStartIntegrity Protection (tsc_CellID)			

4.5 lt_ActivateCellD (WA#NAS4702)

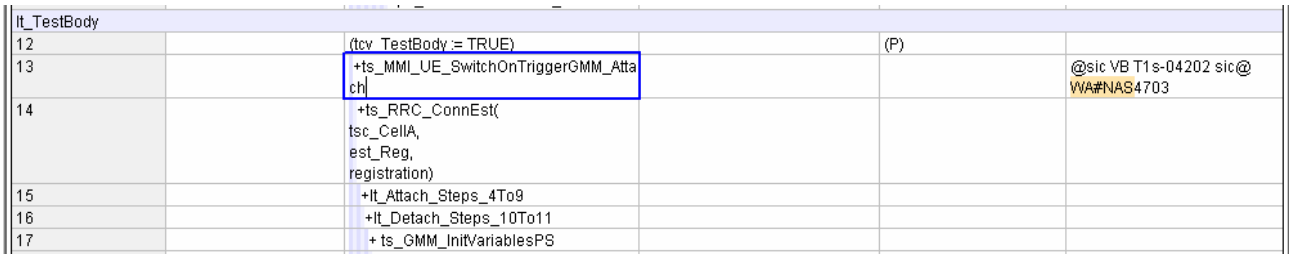
Test step name	lt_ActivateCellD
Reason for change	Incorrect constant(tsc_AttenuationSuitableNeighbourCell) used for attenuation level in decrement of power levels of Cell A for Class A UE.
Summary of change	Changed the parameter from tsc_AttenuationSuitableNeighbourCell to tsc_AttenuationNonSuitableNeighbourCell at line 45 of the testcase.
Source of change	New change
Label	WA#NAS4702



lt_ActivateCellD					
45		+ts_SS_DecrementCellPowerLevel (tsc_CellA, tsc_AttenuationNonSuitableNeighbourC ell - tsc_AttenuationServingCell))			Lower power level cell A WA#NAS4702
46		+ts_SS_IncrementCellPowerLevel (tsc_CellD, tsc_AttenuationSuitableNeighbourCell - t sc_AttenuationServingCell)			Activate cell D

4.6 lt_TestBody (WA#NAS4703)

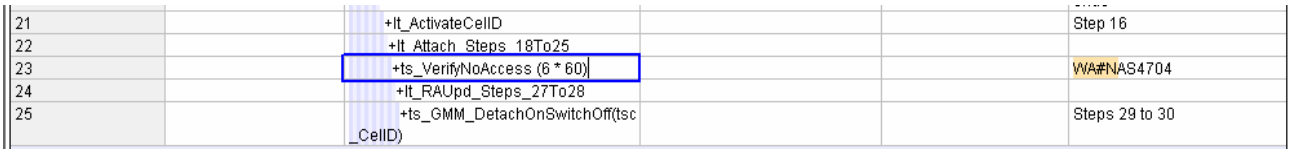
Test step name	lt_TestBody
Reason for change	SS is set to NMO II , the ATT flag for Cell A is off.so UE will not send Location Update Request , If testcase is run with Auto attach OFF then AT command for Attach should be triggered and expect Attach Request in TTCN .
Summary of change	Changed from +ts_GMM_SwitchOrPwrOn to +ts_MMI_UE_SwitchOnTriggerGMM_Attach at line 13 of the testcase
Source of change	New change
Label	WA#NAS4703



lt_TestBody					
12		(tcv_TestBody := TRUE)		(P)	
13		+ts_MMI_UE_SwitchOnTriggerGMM_Attach			@sic VB T1s-04202 sic@ WA#NAS4703
14		+ts_RRC_ConnEst(tsc_CellA, est_Reg, registration)			
15		+lt_Attach_Steps_4To9			
16		+lt_Detach_Steps_10To11			
17		+ ts_GMM_InitVariablesPS			

4.7 lt_TestBody (WA#NAS4704)

Test step name	lt_TestBody
Reason for change	TS 34.123-1 section **12.3.2.8.4.1** implies that after Step 25 of the expected sequence the UE should send a RRC Connection request immediately, whereas according to section **12.3.2.8.5.1**(test requirements) the UE should initiate the ROUTING AREA UPDATE procedure only after T3312 expires. Thus, after Step 25, a step is added to check that the UE does not send an RRC connection request till T3312 expires.
Summary of change	Added +ts_VerifyNoAccess (6*60) at line 23 of the testcase
Source of change	T1-050442
Label	WA#NAS4704

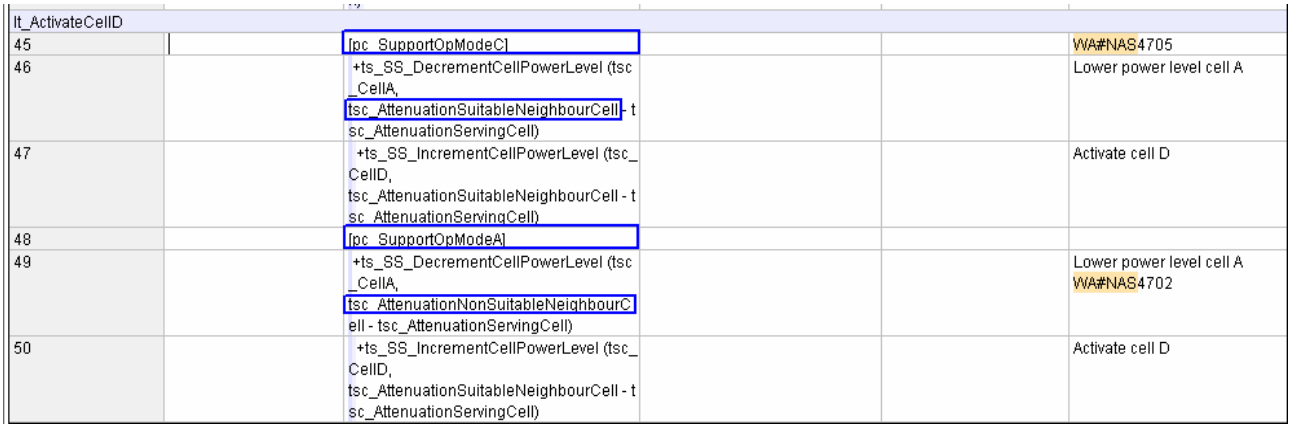


21		+lt_ActivateCellD			Step 16
22		+lt_Attach_Steps_18To25			
23		+ts_VerifyNoAccess (6 * 60)			WA#NAS4704
24		+lt_RAUpd_Steps_27To28			
25		+ts_GMM_DetachOnSwitchOff(tsc_CellD)			Steps 29 to 30

4.8 lt_ActivateCellD (WA#NAS4705)

Test step name	lt_ActivateCellD
Reason for change	According to 24.008 clause 4.7.3.1.4 if the reject cause is # 14(GPRS services not allowed in this PLMN) then The MS shall store the PLMN identity in the "forbidden PLMNs for GPRS service" list. A GPRS MS operating in MS operation mode C shall perform a PLMN selection instead of a cell selection. A GPRS MS operating in MS operation mode A or B in network operation mode II or III, is still IMSI attached for CS services in the network. IF Class A UE , in order to re-select Cell D the power of cell A has to be changed to 'non suitable neighbour cell" whereas if it's Class C UE then the power of Cell A is set to 'suitable neighbour cell" as per prose. A draft version of Prose CR is present in the supporting information

Summary of change	Added the check for UE opmode , If UE is in opmode A then set Cell A as Non-suitable neighbour cell else if UE is in opmode C then set Cell A as Suitable neighbour cell.
Source of change	New change
Label	WA#NAS4705



lt_ActivateCellID				
45		[pc_SupportOpModeC]		WA#NAS4705
46		+ts_SS_DecrementCellPowerLevel (tsc_CellA, tsc_AttenuationSuitableNeighbourCell - tsc_AttenuationServingCell)		Lower power level cell A
47		+ts_SS_IncrementCellPowerLevel (tsc_CellD, tsc_AttenuationSuitableNeighbourCell - tsc_AttenuationServingCell)		Activate cell D
48		[pc_SupportOpModeA]		
49		+ts_SS_DecrementCellPowerLevel (tsc_CellA, tsc_AttenuationNonSuitableNeighbourCell - tsc_AttenuationServingCell)		Lower power level cell A WA#NAS4702
50		+ts_SS_IncrementCellPowerLevel (tsc_CellD, tsc_AttenuationSuitableNeighbourCell - tsc_AttenuationServingCell)		Activate cell D

5 Branches executed in test case 12.3.2.8.1

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

6 Execution Log Files

6.1 Nokia 6630 3G UE

The Nokia 6630 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 12_3_2_8_1_Logs-Nokia\Index.html**
  These execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 12_3_2_8_1-pics-pixit-Nokia.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

7 References

[1] **T1s050047**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 E-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050018

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1189 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of NAS WI 12 test case 12.4.1.5 to NAS ATS V3.8.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	28/01/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI 12 NAS test case 12.4.1.5 to the approved NAS ATS V3.8.0
Summary of change:	⌘	This document lists all changes applied to test case 12.4.1.5 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	

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

Other comments:	⌘	

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

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

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

3GPP TSG-T1 E-Mail 2005 **T1s050018**
01 Jan - 31 Dec 2005

Title: **Changes to test case 12.4.1.5 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 12.4.1.5, which is part of the NAS test suite.

With these changes applied the test case can be demonstrated to run with more than one 3G UEs

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_12_4_1_5
Test Group:	GMM/Routing_Area_updating/PS_only_RAU
ATS Version:	iWD-TVB2003-03_D04wk51 + essential modifications
System Simulator used:	**Anite 3G U-SAT**
UE used:	Nokia 6630, Motorola E1000
Verification Status:	PASS

4 Corrections required for test case 12.4.1.5

4.1 Introduction

This section describes the changes required to make test case 12.4.1.5 run correctly with a 3G UE. The ATS version used as basis was NAS_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

4.2 Change 1

Test step name	*tc_12_4_1_5 , Test Purpose.*
Reason for change	The test purpose is incorrect.
Summary of change	Changed the test purpose from “To test the behaviour of the UE in case of procedure collision” to “To test the behaviour of the UE with respect to the attempt counter”.

Before change:

Test Case	
Test Case Id:	tc_12_4_1_5
Test Group Reference:	GMM/Routing_Area_updating/PS_only_RAU/
Purpose:	To test the behaviour of the UE in case of procedure collision.
Configuration:	

After change:

Test Case	
Test Case Id:	tc_12_4_1_5
Test Group Reference:	GMM/Routing_Area_updating/PS_only_RAU/
Purpose:	To test the behaviour of the UE with respect to the attempt counter.
Configuration:	

4.3 Change 2

Test step name	*tc_12_4_1_5 , line #1*
Reason for change	The guard timer needs to be increased to 20 minutes.
Summary of change	Increased the guard timer from 300s to 20*60s.

Before change:

1		START t_Guard(300)			

After change:

1		START t_Guard(20*60)			

4.4 Change 3

Test step name	*tc_12_4_1_5 , lt_RARej_0, line #29*
Reason for change	According to 34.123-1 v 5.a.0, Section 12.4.1.5.4 in the expected sequence after step 8 integrity protection should not be done.
Summary of change	Removed the call to the test step ***ts_RRC_Security*** at row 29.

Before change:

28		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
29		+ ts_RRC_Security (tsc_CellB, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)			
30		Dc ! RRC_DataReq START t_UpperBound (tsc_T3311 + (tsc_T3311 / 10)), START t_LowerBound (tsc_T3311- (tsc_T3311 / 10))	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdRej ('16'O))		ROUTING AREA UPDATING REJECT - cause = 'Congestion'

After change:

28		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
29		Dc ! RRC_DataReq START t_UpperBound (tsc_T3311 + (tsc_T3311 / 10)), START t_LowerBound (tsc_T3311- (tsc_T3311 / 10))	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdRej ('16'O))		ROUTING AREA UPDATING REJECT - cause = 'Congestion' Removed the assignment (tcv_PS_KeySeq := '111'B) after this step.

4.5 Change 4

Test step name	*tc_12_4_1_5 , lt_RARej_0, line #31*
Reason for change	As per 24.008 Sec 4.7.5.1.5 UE will not delete GPRS Ciphering Key Sequence number (CKSN) on receiving ROUTING AREA UPDATE REJECT message with REJECT CAUSE as ”Congestion”. However in the TTCN tcv_PS_KeySeq is set to ‘111’B.
Summary of change	Removed the assignment (tcv_PS_KeySeq := '111'B)

Before change:

30		Dc ! RRC_DataReq START t_UpperBound (tsc_T3311 + (tsc_T3311 / 10)), START t_LowerBound (tsc_T3311- (tsc_T3311 / 10))	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdRej ('16'O))		ROUTING AREA UPDATING REJECT - cause = 'Congestion'
31		(tcv_PS_KeySeq := '111'B)			
32		+ts_RRC_ConnRel(tsc_CellB, cell_Dch)			

After change:

29		Dc ! RRC_DataReq START t_UpperBound (tsc_T3311 + (tsc_T3311 / 10)), START t_LowerBound (tsc_T3311- (tsc_T3311 / 10))	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdRej ('16'O))		ROUTING AREA UPDATING REJECT - cause = 'Congestion' Removed the assignment (tcv_PS_KeySeq := '111'B) after this step.
30		+ts_RRC_ConnRel(tsc_CellB, cell_Dch)			

4.6 Change 5

Test step name	*tc_12_4_1_5 , lt_RARej, line #38*
Reason for change	According to 34.123-1 v 5.a.0, Sec. 12.4.1.5.4 in the expected sequence, integrity protection should not be done after Steps 11,14,17 and 20.
Summary of change	Removed call to the test step ***ts_RRC_Security.***

Before change:

37		+ ts_SS_SecurityDownloadStart (ps_ domain, tcv_Start)			
38		+ ts_RRC_Security (tsc_CellB, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)			
39		[p_N = 1]			

After change:

35		+ ts_SS_SecurityDownloadStart (ps_ domain, tcv_Start)			
36		[p_N = 1]			

4.7 Change 6

Test step name	*tc_12_4_1_5 , lt_Attach_Steps_2aTo5, line#22*
Reason for change	According to 34.123-1 v 5.a.0, Section 12.4.1.5.4 in the expected sequence, at Step 4, the TTCN should check RAI. Current TTCN does not check this.
Summary of change	Instead of using test step ts_MM_RegistrationHandleAttachReqP_TMSI, use test step ts_MM_RegistrationHandleAttachReqP_TMSI_RAI.

Before change:

lt_Attach_Steps_2aTo5					
22		+ ts_MM_RegistrationHandleAttachReqP_TMSI (tsc_CellA, px_PTMSI_Def)			Step 3a-4. CS registration If UE Operation mode A. Handle the receipt of ATTACH REQ @sic VB Handle Attach req during CS registration sic@

After change:

lt_Attach_Steps_2aTo5					
22		+ts_MM_RegistrationHandleAttachReqP_TMSI_RAI (tsc_CellA, px_PTMSI_Def,c_RAI_Def_v)			Step 3a-4. CS registration If UE Operation mode A. Handle the receipt of ATTACH REQ @sic VB Handle Attach req during CS registration sic@

4.8 Change 7

Test step name	*tc_12_4_1_5 , lt_Attach_Steps_2aTo5, line#24*
Reason for change	As per the 34.123-1 v 5.9.0, test procedure T3302 should be set to 12 minutes. Also as per 24.008 Sec 11.2.2 table 11.3a, the default value for this timer is 12 minutes. Hence, there is no need to send this timer value in the ATTACH ACCEPT message.
Summary of change	Replaced c_GPRS_Timer ('001'B, '01010'B) with '-'. Also removed assignment tcv_T3302 := 600.

Before change:

24		Dc ! RRC_DataReq (tcv_Assigned_PTMSI_Sig := px_PTMSI_Sig2, tcv_T3302 := 600)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AttachAcc4(c_GMM_AttachResultPS_Only, c_RAI_Def_v, c_PTMSI_Signature (px_PTMSI_Sig2), -, -, c_GPRS_Timer ('001'B, '01010'B)))		Step 5. ATTACH ACCEPT - Attach result 'PS only' - RAI-1 - P-TMSI signature 2 - T3302 set to 10 min

After change:

24		Dc ! RRC_DataReq (tcv_Assigned_PTMSI_Sig := px_PTMSI_Sig2)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AttachAcc4(c_GMM_AttachResultPS_Only, c_RAI_Def_v, c_PTMSI_Signature (px_PTMSI_Sig2), -, -, -))		Step 5. ATTACH ACCEPT - Attach result 'PS only' - RAI-1 - P-TMSI signature 2

4.9 Change 8

Test step name	*tc_12_4_1_5 , lt_TestBody line#19*
Reason for change	According to 34.123-1 v 5.a.0, Sec. 12.4.1.5.4 in the expected sequence, at Step 22, in the expected sequence, UE should not access SS for 10minutes. However as the value of timer T3302 is set as 12 minutes thus at Step 22 need to wait for 12 minutes. Note: For this Prose CR will be presented in T1-26 Meeting.
Summary of change	Replaced ts_VerifyNoAccess (540) with ts_VerifyNoAccess (648).

Before change:

After change:

Branches executed in test case 12.4.1.5

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

5 Execution Log Files

5.1 Nokia 6630

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

- **Test Case Execution log file tc_12_4_1_5_Nokia-log.txt:**

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

5.2 Motorola E1000

The Motorola E1000 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Test Case Execution log file tc_12_4_1_5_Motorola-log.txt:**

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

6 References

[1] **T1s050019**: This archive comprises text format execution log file and the TTCN MP file.

3GPP TSG-T1 E-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050038

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1190 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of WI12 test cases 8.1.1.10 to RRC ATS v3.8.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	26/01/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add WI12 RRC test case 8.1.1.10 to the approved RRC ATS V3.8.0
Summary of change:	⌘	This document lists all changes applied to test cases 8.1.1.10 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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3GPP TSG-T1 E-Mail 2005 ***T1s050038***
01 Jan - 31 Dec 2005

Title: **Changes to test case 8.1.1.10 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 8.1.1.10, which are part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_1_1_10

Test Group: RRC_Paging

ATS Version: iWD-TVB2003-03_D04wk51 + essential modifications

System Simulator used: Anite CT

UE used: Nokia 6630, Motorola A835.

Verification Status: PASS

4 Corrections required for test case 8.1.1.10

4.1 Introduction

This section describes the changes required to make test cases 8.1.1.10 run correctly with a 3G UE. The ATS version used as basis was RRC_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

4.2 Change 1

Testcase	tc_8_1_1_10
Reason for change	As per 34.123-1, paging type 1 message at Step 2, 3, 4 and 8 should be sent for a Registered Domain (PS Domain or CS Domain). Thus in order to set paging cause for different type of terminating call and domain new teststep ts_check_domain_config is required.
Summary of change	New teststep ts_check_domain_config created and is called before calling the testbody of the testcase.
Source of change	New change

Before:

5		+ ts_TransitToURA_PCH_P17_P18 (tsc_CellA)			Bring UE to URA_PCH status
6	TBS	(tcv_TestBody:=TRUE)			

After:

5		+ ts_TransitToURA_PCH_P17_P18 (tsc_CellA)			Bring UE to URA_PCH status
6		+ts_Check_Domain_Config			
7	TBS	(tcv_TestBody:=TRUE)			

New Test Step:

Test Step					
Test Step Id:	ts_Check_Domain_Config				
Test Step Group Ref:	BasicM_General_Steps/				
Objective:	Testcase variables assignments for RRC testcase 8.1.1.10				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[(px_RRC_CS_ServTested = speech) AND pc_Conversational AND (px_CN_DomainTested = cs_domain)]			
2		(tcv_RRC_RAB_Type := cell_DCH_Speech, tcv_RRC_PagingCau := terminatingConversationalCall, tcv_RRC_EstCauMO := originatingConversationalCall, tcv_RRC_EstCauMT := terminatingConversationalCall, tcv_CN_Domain := cs_domain)			
3		[(px_RRC_CS_ServTested = conversational_64k) AND pc_Conversational AND (px_CN_DomainTested = cs_domain)]			
4		(tcv_RRC_RAB_Type := cell_DCH_64kCS_RAB_SRB, tcv_RRC_PagingCau := terminatingConversationalCall, tcv_RRC_EstCauMO := originatingConversationalCall, tcv_RRC_EstCauMT := terminatingConversationalCall, tcv_CN_Domain := cs_domain)			
5		[(px_RRC_CS_ServTested = streaming_57_6k) AND pc_Streaming AND (px_CN_DomainTested = cs_domain)]			
6		(tcv_RRC_RAB_Type := cell_DCH_57_6kCS_RAB_SRB, tcv_RRC_PagingCau := terminatingStreamingCall, tcv_RRC_EstCauMO := originatingConversationalCall, tcv_RRC_EstCauMT := terminatingStreamingCall, tcv_CN_Domain := cs_domain)			
7		[pc_Interactive AND (px_RRC_PS_ServTested = ps_Interactive) AND (px_CN_DomainTested = ps_domain)]			
8		(tcv_RRC_PagingCau := terminatingInteractiveCall, tcv_RRC_EstCauMO := originatingInteractiveCall, tcv_RRC_EstCauMT := terminatingInteractiveCall, tcv_CN_Domain := ps_domain)			
9		[pc_Background AND (px_RRC_PS_ServTested = ps_Background) AND (px_CN_DomainTested = ps_domain)]			
10		(tcv_RRC_PagingCau := terminatingBackgroundCall, tcv_RRC_EstCauMO := originatingBackgroundCall, tcv_RRC_EstCauMT := terminatingBackgroundCall, tcv_CN_Domain := ps_domain)			
11	ERR1	[TRUE]		I	Programming or parameter error

4.3 Change 2

Constraint	cd_SIB6_PichInfo_72 (p_CellInfo : CellInfoCfg)
Reason for change	According to 34.123-1, Number of PI per frame in PICH Info should be 72. In the TTCN implementation derived constraint is used. However as in the default constraint for SIB6 (cd_Sib6_Def) IE sCCPCH_SystemInformationList is not present the derived constraint cannot be used. NOTE: Please Refer to T1-26 Prose CR T1-050059.
Summary of change	Changed the syntax for replacing the pi_CountPerFrame BY e72
Source of change	New change

Before:

ASN.1 Type Constraint Declaration	
Constraint Name:	cd_SIB6_PichInfo_72 (p_CellInfo : CellInfoCfg)
Group:	
Type Name:	SysInfoType6
Derivation Path:	cb_SIB6_Def.
Encoding Variation:	
Comments:	@SIC_NAPP Available signature IE set to a different value

Constraint Value
REPLACE sCCPCH_SystemInformationList.[1].pich_Info.fdd.pi_CountPerFrame BY e72

After:

ASN.1 Type Constraint Declaration	
Constraint Name:	cd_SIB6_PichInfo_72 (p_CellInfo : CellInfoCfg)
Group:	
Type Name:	SysInfoType6
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP Available signature IE set to a different value

```
{
 pich_PowerOffset p_CellInfo.powerPICH,
 modeSpecificInfo fdd : {
  aich_PowerOffset p_CellInfo.powerAICH
 },
 primaryCCPCH_Info OMIT,
 prach_SystemInformationList OMIT,
 sCCPCH_SystemInformationList {{
   secondaryCCPCH_Info {
    modeSpecificInfo fdd : {
     dummy1 mayBeUsed, -- mandatory ie
     secondaryScramblingCode OMIT,
     sttd_Indicator FALSE,
     sf_AndCodeNumber tsc_S_CCPCH1_ChC,
     pilotSymbolExistence FALSE,
     tfci_Existence TRUE,
     positionFixedOrFlexible flexible,
     timingOffset 0
    }
   },
   tfcs normalTFCI_Signalling : complete: {ctfcSize ctfc4Bit : {
     {ctfc4 0 }, {ctfc4 1 }, {ctfc4 2 }, {ctfc4 3 }, {ctfc4 4}, {ctfc4 5 }, {ctfc4 6 }, {ctfc4 8}}},
   fach_PCH_InformationList { {
     transportFormatSet commonTransChTFS : c_PCH_TFS_UE,
     transportChannelIdentity tsc_PCH1 , -- PCH
     ctch_Indicator FALSE
    },
    {
     transportFormatSet commonTransChTFS : c_FACH_TFS_UE,
     transportChannelIdentity tsc_FACH1, -- FACH
     ctch_Indicator FALSE
    },
    {
     transportFormatSet commonTransChTFS : c_FACH_TFS_PS_UE,
     transportChannelIdentity tsc_FACH2, -- FACH
     ctch_Indicator FALSE
    }
   },
   pich_Info fdd :{
    channelisationCode256 tsc_PICH1_ChC,
    pi_CountPerFrame e72,
    sttd_Indicator FALSE
   }
 }},
 cbs_DRX_Level1Information OMIT
}
```

4.4 Change 3

Test step	tc_8_1_1_10, local test step lt_TestBody
Reason for change	1) At Step 1 Modified System information block is transmitted. However UE is not paged for the same.

	2) In preamble Physical Channel Reconfiguration message, DRX-cycle length co-efficient is transmitted as 3. Thus SS should be configured with DRX-cycle length co-efficient as 3. 3) As per 34.123-1, only SIB 6 should be modified at step 1 of the testcase, but in TTCN both SIB 5 and SIB 6 are modified. 4) In the TTCN before transmitting SIB 6 message, PICH information is modified. 5) In SIB 6 Paging Indicator is transmitted as 72, thus in the local end SS MAC should be configured for Paging Indicator of 72.
Summary of change	1) Send a paging type 1 message with MIB tag value as 2. NOTE: Prose CR will be raised for this comment. 2) Move the statement "tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3" present in line no: 16 to line no: 13 of the testcase and call the teststep ts_CMAC_Pag1_CfgConnMode before sending the paging message. 3) Created a new teststep ts_SysInfoModifySIB6 to send the modified SIB 6 and the same is used called at row 14. 4) Calling the teststep ts_SS_PICH_InfoModify_Cfg should be moved from line no: 14 to line no: 18 of the testcase Add a delay for 5 secs before calling the teststep ts_SS_PICH_InfoModify_Cfg. 5) Create a new teststep 'ts_CMAC_Pag1_CfgConnMode_PIcount_e72', constraint 'c_MAC_PagingCfg_PIcount_e72' and definition 'B72' to configure MAC paging channel with paging Indicator as 72.
Source of change	New change

Before:

lt_TestBody

12		+ ts_SS_PICH_InfoModify_Cfg (tsc_CellA, c_PichInfo_NoPerFrame_72)			different SS settings: Number of PI per frame set to 72
13		+ ts_SysInfoModifySIB5_And6_RRC (tsc_CellA, cd_SIB5_PichInfo_72 (tcv_CellInfoA), cd_SIB6_PichInfo_72(tcv_CellInfoA), tsc_SFN_15)			step 1 To send system information 5
14		+ ts_CMAC_Pag1_CfgConnMode (tsc_CellA)			
15		+ lt_PagingType1_IMSI_UE_Id			step 2
16		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3)			
17		+ lt_PagingType1_uRNTI_UE_Id			step 3
18		+ lt_PagingType1_uRNTI_UE_Id			step 4

After:

lt_TestBody

13		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3)			
14		+ ts_CMAC_Pag1_CfgConnMode (tsc_CellA)			
15		TM ! RLC_TR_DATA_REQ	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_NotifyIdleMode (tcv_MIB.mib_ValueTag + 1, OMIT))		Send a paging Type 1 message.
16		+ ts_SysInfoModifySIB6 (tsc_CellA, cd_SIB6_PichInfo_72(tcv_CellInfoA), tsc_SFN_15)			step 1 To send system information 6
17		+ts_RRC_Delay(5000)			
18		+ ts_SS_PICH_InfoModify_Cfg (tsc_CellA, c_PichInfo_NoPerFrame_72)			different SS settings: Number of PI per frame set to 72
19		+ ts_CMAC_Pag1_CfgConnMode_PIcount_e72 (tsc_CellA)			
20		+ lt_PagingType1_IMSI_UE_Id			step 2
21		+ lt_PagingType1_uRNTI_UE_Id_noResp			step 3
22		+ lt_PagingType1_uRNTI_UE_Id			step 4

New Test Steps:

Test Step	
Test Step Id:	ts_SysInfoModifySIB6(p_CellId: INTEGER; p_SIB6 : SysInfoType6; p_Timing: INTEGER)
Test Step Group Ref:	L3M_SysInfoHandling/
Objective:	To modify the the contents of SIB5 and SIB6.
Defaults:	InitOtherwiseFail
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. NOTE: Paging type 1 is not sent in this step, it shall be done in the test case.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_RAT = fdd]			
2		+ts_SendSIB6(p_SIB6, p_CellId, p_Timing)			
3		+ts_SendSB1_DefSchedul (tcv_SB1, p_CellId, p_Timing)			
4		+ts_SendMIB (tcv_MIB, p_CellId, p_Timing)			
5	ERR1	[px_RAT = tdd]		I	
6	ERR2	[TRUE]		I	

Test Step	
Test Step Id:	ts_CMAC_Pag1_CfgConnMode_PIcount_e72 (p_CellId: INTEGER)
Test Step Group Ref:	RRC_SS_Specific/
Objective:	Configure paging on the MAC layer when UE is in connected mode
Defaults:	SS_Def
Comments:	This step shall be used when UE in connected mode. The DRX cycle length to use is the shortest of the CN domain specific Drx cycle length and the UTRAN Drx cycle length. The test case variable tcv_dRX_CycleLengthPaging is assigned to: the smallest value betwenn the CN Drx cycle length for the CN domain the UE is attached to and UTRAN drx Cycle length.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		[px_RAT = fdd]			
3		+ lt_CalculateDrxCycleLength			
4		CMAC ! CMAC_PAGING_Config_REQ	ca_CMAC_PagingCfgReq(p_CellId, tsc_S_CCPCH1, fdd, c_MAC_PagingCfg_PIcount_e72 (o_GetPI (px_IMSI_Def , 72), tcv_dRX_CycleLengthPaging))		
5		CMAC ? CMAC_PAGING_Config_CNF	ca_CMAC_PagingCfgCnf(p_CellId, tsc_S_CCPCH1)		
6	ERR1	[px_RAT = tdd]		I	
7	ERR2	[TRUE]		I	
lt_CalculateDrxCycleLength					
8		[pc_CS AND pc_PS]			0.
9		[tcv_TmpCellInfo.dRX_CycleLength.cN_CS_DRX_CycleLength <= tcv_TmpCellInfo.dRX_CycleLength.cN_PS_DRX_CycleLength]			1.
10		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.cN_CS_DRX_CycleLength)			
11		+ lt_CompareWithUTRAN			
12		[TRUE]			2.
13		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.cN_PS_DRX_CycleLength)			
14		+ lt_CompareWithUTRAN			
15		[pc_CS AND NOT (pc_PS)]			3.
16		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.cN_CS_DRX_CycleLength)			
17		+ lt_CompareWithUTRAN			
18		[pc_PS AND NOT (pc_CS)]			4.
19		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.cN_PS_DRX_CycleLength)			
20		+ lt_CompareWithUTRAN			
lt_CompareWithUTRAN					
21		[tcv_dRX_CycleLengthPaging <= tcv_TmpCellInfo.dRX_CycleLength.uTRAN_DRX_CycleLength]			5.
22		[tcv_dRX_CycleLengthPaging > tcv_TmpCellInfo.dRX_CycleLength.uTRAN_DRX_CycleLength]			
23		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.uTRAN_DRX_CycleLength)			

Detailed Comment:	0. UE supports CS and PS 1. CN Drx Cycle length for CS is smaller than PS, then CN Drx Cycle length for CS is used to compare with the UTRAN Drx cycle length 2. CN Drx Cycle length for CS is smaller than PS, then CN Drx Cycle length for PS is used to compare with the UTRAN Drx cycle length 3. UE supports only CS, the CN Drx cycle length for CS is used to compare with the UTRAN Drx cycle length 4. UE supports only PS, the CN Drx cycle length for PS is used to compare with the UTRAN Drx cycle length 5. Compare the shortest CN Drx cycle length with the UTRAN Drx Cycle length

New Constraint:

ASN.1 Type Constraint Declaration	
Constraint Name:	c_MAC_PagingCfg_PIcount_e72(p_E72: B72; p_dRX : INTEGER)
Group:	
Type Name:	CmacPagingConfigReq
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value
{ pl_BitMapInfo e72: p_E72, dRX_CycleLength p_dRX, iMSI o_ConvertIMSI(px_IMSI_Def), t_pich_T_sccpch FALSE }

New Definition:

B72	BITSTRING [72]		Generic type for 72 bits value

4.5 Change 4

Test step	tc_8_1_1_10, local test step lt_TestBody
Reason for change	Content of Cell Update Confirm message at step 6, is not according to 34.123-1.
Summary of change	New Constraint **cd_CellUpdateCnfDCCH_with_DRX** is created and it is used instead of **cas_RRC_CellUpdateCnf** with RRC state indicator as URA_PCH
Source of change	New change

Before:

22		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tsc_CRNTI_1, cell_FACH, OMIT, OMIT, OMIT))		Step 6

After:

22		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cd_CellUpdateCnfDCCH_with_DRX(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tsc_CRNTI_1, ura_PCH , OMIT, OMIT, OMIT))		Step 6

New Constraint:

ASN.1 Type Constraint Declaration	
Constraint Name:	cd_CellUpdateCnfDCCH_with_DRX (p_IntegrityCheckInfo : IntegrityCheckInfo; p_RRC_TI: RRC_TransactionIdentifier; p_U_RNTI : U_RNTI; p_C_RNTI: C_RNTI; p_State_Ind: RRC_StateIndicator; p_UL_ChannelRequirement : UL_ChannelRequirement; p_DL_CommonInformation : DL_CommonInformation ; p_DL_InformationPerRL_List : DL_InformationPerRL_List)
Group:	
Type Name:	DL_DCCH_Message
Derivation Path:	cbs_108_CellUpdateCnfDCCH.
Encoding Variation:	
Comments:	@SIC_NAPP Available signature IE set to a different value

Constraint Value
REPLACE message.cellUpdateConfirm.r3.cellUpdateConfirm_r3.utran_DRX_CycleLengthCoeff BY 4

4.6 Change 5

Test step	tc_8_1_1_10, local test step lt_TestBody
Reason for change	At step 6 and step 10, after transmitting Cell Update Confirm, a delay is required before SS side reconfiguration of CRNTI to ensure that the message reaches the UE.
Summary of change	A delay of 30 ms is added after step 6 and step 10.
Source of change	New change

TTCN change:

10		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfCCH (tsc_CellDedicated, tsc_RB0, cbs_108_CellUpdateCnfCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_CellInfoA.uRNTI, tcv_RRC_Ti, OMIT, tsc_CRNTI_1, ura_PCH, OMIT, OMIT, OMIT, 4))		Step 6
11		+ts_RRC_Delay (30)			

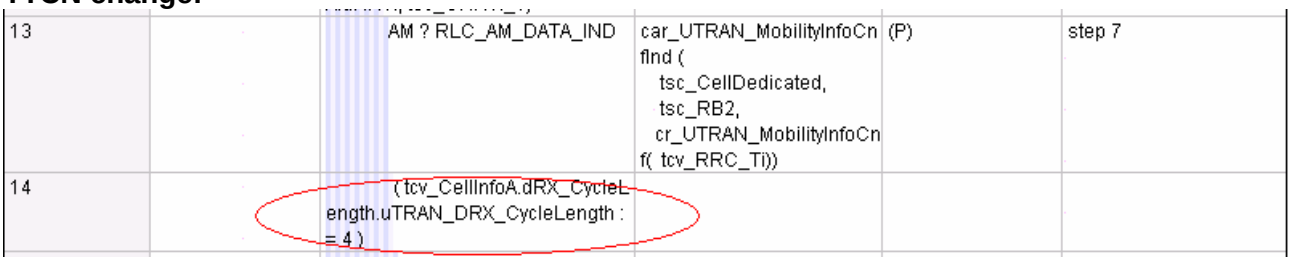
19		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tsc_CRNTI_1, cell_FACH, OMIT, OMIT, OMIT))		Step 10
20		+ts_RRC_Delay (30)			

4.7 Change 6

Test step	tc_8_1_1_10, local test step lt_TestBody
Reason for change	SS needs to be configured with the same UTRAN DRX Cycle coefficient as transmitted in Cell Update Confirm message at step 6.
Summary of change	A new line is added to assign “uTRAN_DRX_CycleLength = 4” after step 7.

Source of change	New change

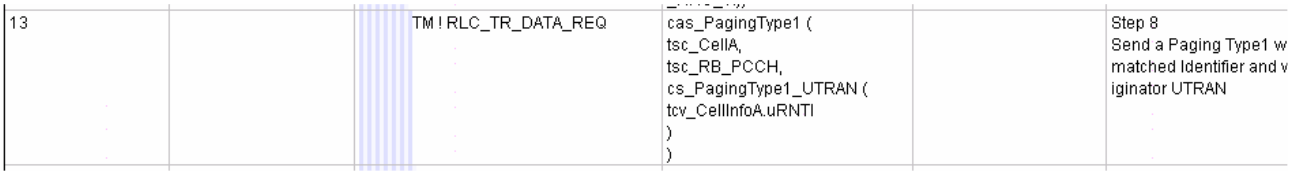
TTCN change:



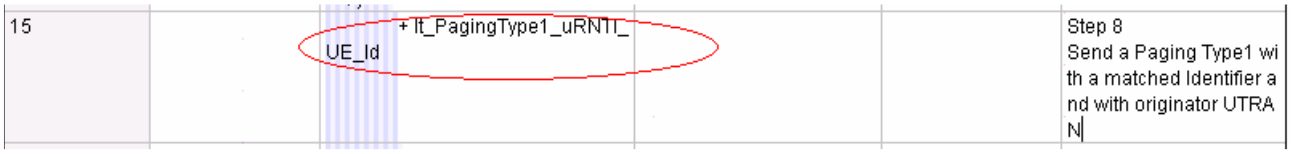
4.8 Change 7

Test step	tc_8_1_1_10, local test step lt_TestBody
Reason for change	Content of PagingType1 message at step 8, is not according to 34.123-1.
Summary of change	The test step **lt_PagingType1_uRNTI_UE_Id** is used at step 8.
Source of change	New change

Before:



After:



4.9 Change 8

Test step	tc_8_1_1_10, local test step lt_PagingType1_IMSI_UE_Id
Reason for change	1) Call to the test step “ts_CMAC_Pag1_Cfg(tsc_CellA)” is redundant in local tree **lt_PagingType1_IMSI_UE_Id** as Paging on MAC is already configured before calling **lt_PagingType1_IMSI_UE_Id** at step 2. 2) After sending the paging message at the failure part wait UE may send Cell Update message instead of sending RRC connection request message.
Summary of change	1) Removed the line (#2) “ts_CMAC_Pag1_Cfg(tsc_CellA)” from lt_PagingType1_IMSI_UE_Id. 2) In the failure case, Change the wait for RRC Connection request to Cell-Update message.
Source of change	New change

Before:

lt_PagingType1_IMSI_UE_Id					
32		+ts_RRC_Delay(tsc_WaitBeforePaging)			Give delay before paging type 1
33		+ts_CMAC_Pag1_Cfg(tsc_CellA)			To Configure Paging on MAC layer
34		TM!RLC_TR_DATA_REQ START t_WaitMS(60000)	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_IMSI_2_PagRec (tcv_RRC_PagingCau, o_ConvertIMSI(px_IMSI_Def) , tcv_CN_Domain, c_U_RNTI_3))		To send PAGING TYPE 1
35	TSF	TM?RLC_TR_DATA_IND	car_RRC_ConnReq (tsc_CellA , tsc_RB0, cbr_108_RRC_ConnReq (?))	(F)	If UE sends RRC Connection Request, The test Step fail
36	TSP	?TIMEOUT t_WaitMS		(P)	

After:

lt_PagingType1_IMSI_UE_Id					
37		+ts_RRC_Delay(tsc_WaitBeforePaging)			Give delay before paging type 1
38		TM!RLC_TR_DATA_REQ START t_WaitMS(60000)	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_IMSI_2_PagRec (tcv_RRC_PagingCau, o_ConvertIMSI(px_IMSI_Def) , tcv_CN_Domain, c_U_RNTI_3))		To send PAGING TYPE 1
39	TSF	TM?RLC_TR_DATA_IND	car_RRC_CellUpdate(tsc_CellA, tsc_RB0, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, utran_pagingResponse))	(F)	If UE sends Cell Update, the test case fail
40	TSP	?TIMEOUT t_WaitMS		(P)	

4.10 Change 9

Test step	tc_8_1_1_10, local test step lt_PagingType1_uRNTI_UE_Id
Reason for change	1) To configure paging on MAC layer, the test step **ts_CMAC_Pag1_CfgConnMode** should be used, instead of **ts_CMAC_Pag1_Cfg.** 2) As per 34.123-1, step nos:3,4 and 8, paging type 1 message should be sent with the IMSI for both PS and CS paths. But in TTCN for PS path P-TMSI is used.
Summary of change	1) Used **ts_CMAC_Pag1_CfgConnMode** at line #2 2) Changes done to send paging type 1 message only with IMSI for both PS and CS paths.
Source of change	New change

Before:

lt_PagingType1_uRNTI_UE_Id					
40		+ ts_RRC_Delay (tsc_WaitBeforePaging)			Give delay before paging type1
41		+ ts_CMAC_Pag1_Cfg (tsc_CellA)			To configure paging on MAC la yer
42		[tcv_CN_Domain = cs_domain]			
43		TM!RLC_TR_DATA_REQ	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_IMSI_CS _3_PagRec_2uRNTI (tcv_RRC_PagingCau, o_ConvertIMSI (px_IMSI_Def), tcv_CN_Domain, c_U_RNTI_3, tcv_CellInfoA.uRNTI))		SS sends CS PAGING TYPE 1
44		[tcv_CN_Domain = ps_domain]			
45		TM ! RLC_TR_DATA_REQ	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_PTMSI_ 3_PagRec_2uRNTI (tcv_RRC_PagingCau, o_ConvertPTMSI(px_PTMSI_ Def), tcv_CN_Domain, c_U_RNTI_3, tcv_CellInfoA.uRNTI))		SS sends PS PAGING TYPE 1

After:

lt_PagingType1_uRNTI_UE_Id					
43		+ ts_RRC_Delay (tsc_WaitBeforePaging)			Give delay before paging type1
44		+ ts_CMAC_Pag1_CfgConnMode_PIcount_e72 (tsc_CellA)			To configure paging on M AC layer
45		TM!RLC_TR_DATA_REQ	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_IMSI_CS_3_PagRec _2uRNTI (tcv_RRC_PagingCau, o_ConvertIMSI (px_IMSI_Def), tcv_CN _Domain, c_U_RNTI_3, tcv_CellInfoA.uRNTI))		SS sends PAGING TYPE 1

4.11 Change 10

Test step	tc_8_1_1_10, local test step lt_TestBody
Reason for change	According to 34.123-1, at step 3, the SS transmits a PagingType1 message that includes a matched UTRAN UE identity but in a paging occasion not according to the DRX cycle of the UE and UE should not respond to this paging.
Summary of change	Modified the step 3 to call the new test step **lt_PagingType1_uRNTI_UE_Id_noResp,** instead of the test step **lt_PagingType1_uRNTI_UE_Id.** Also added following new TTCN objects: ts_CMAC_Pag1_Cfg_wrong_Picount_e72 c_MAC_PagingCfg_diff_PIcount_e72
Source of change	New change

Before:

3		+ lt_PagingType1_IMSI_UE_Id			step 2
4		(tcv_CellInfoA.dRX_CycleLength.uTRA N_DRX_CycleLength := 3)			
5		+ lt_PagingType1_uRNTI_UE_Id			step 3
6		+ lt_PagingType1_uRNTI_UE_Id			step 4

After:

3		+ lt_PagingType1_IMSI_UE_Id			step 2
4		+ lt_PagingType1_uRNTI_UE_Id_noResp			step 3
5		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3)			
6		+ lt_PagingType1_uRNTI_UE_Id			step 4

New Local Test Step:

lt_PagingType1_uRNTI_UE_Id_noResp					
46		+ts_RRC_Delay(tsc_WaitBeforePaging)			Give delay before paging type1
47		+ ts_CMAC_Pag1_Cfg_wrong_PIcount_e72 (tsc_CellA)			To configure paging on MAC layer
48		TM!RLC_TR_DATA_REQ START t_WaitMS(60000)	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_IMSI_CS_3_PagRec_2uRNTI (tcv_RRC_PagingCau, o_ConvertIMSI (px_IMSI_Def), tcv_CN_Domain, c_U_RNTI_3, tcv_CellInfoA.uRNTI))		SS sends PAGING TYPE 1
49	TSF	TM ? RLC_TR_DATA_IND	car_RRC_CellUpdate(tsc_CellA, tsc_RB0, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, utran_pagingResponse))	(F)	If UE sends Cell Update, The test case fail
50	TSP	?TIMEOUT t_WaitMS		(P)	

New Test Step:

Test Step	
Test Step Id:	ts_CMAC_Pag1_Cfg_wrong_PIcount_e72 (p_CellId: INTEGER)
Test Step Group Ref:	RRC_SS_Specific/
Objective:	Configure paging on the MAC layer when UE is in connected mode
Defaults:	SS_Def
Comments:	This step shall be used when UE in connected mode. The DRX cycle length to use is the shortest of the CN domain specific Drx cycle length and the UTRAN Drx cycle length. The test case variable tcv_dRX_CycleLengthPaging is assigned to: the smallest value betwenn the CN Drx cycle length for the CN domain the UE is attached to and UTRAN drx Cycle length.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		[px_RAT = fdd]			
3		+ lt_CalculateDrxCycleLength			
4		CMAC ! CMAC_PAGING_Config_REQ	ca_CMAC_PagingCfgReq(p_CellId, tsc_S_CCPCH1, fdd, c_MAC_PagingCfg_diff_PIcount_e72 (o_GetPI (px_IMSI_Diff , 72), tcv_dRX_CycleLengthPaging))		
5		CMAC ? CMAC_PAGING_Config_CNF	ca_CMAC_PagingCfgCnf(p_CellId, tsc_S_CCPCH1)		
6	ERR1	[px_RAT = tdd]		I	
7	ERR2	[TRUE]		I	
lt_CalculateDrxCycleLength					
8		[pc_CS AND pc_PS]			0.
9		[tcv_TmpCellInfo.dRX_CycleLength.cN_CS_DRX_CycleLength <= tcv_TmpCellInfo.dRX_CycleLength.cN_PS_DRX_CycleLength]			1.
10		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.cN_CS_DRX_CycleLength)			
11		+ lt_CompareWithUTRAN			
12		[TRUE]			2.
13		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.cN_PS_DRX_CycleLength)			
14		+ lt_CompareWithUTRAN			
15		[pc_CS AND NOT (pc_PS)]			3.
16		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.cN_CS_DRX_CycleLength)			
17		+ lt_CompareWithUTRAN			
18		[pc_PS AND NOT (pc_CS)]			4.
19		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.cN_PS_DRX_CycleLength)			
20		+ lt_CompareWithUTRAN			
lt_CompareWithUTRAN					
21		[tcv_dRX_CycleLengthPaging <= tcv_TmpCellInfo.dRX_CycleLength.uTRAN_DRX_CycleLength]			5.
22		[tcv_dRX_CycleLengthPaging > tcv_TmpCellInfo.dRX_CycleLength.uTRAN_DRX_CycleLength]			
23		(tcv_dRX_CycleLengthPaging := tcv_TmpCellInfo.dRX_CycleLength.uTRAN_DRX_CycleLength)			

Detailed Comment:	0. UE supports CS and PS 1. CN Drx Cycle length for CS is smaller than PS, then CN Drx Cycle length for CS is used to compare with the UTRAN Drx cycle length 2. CN Drx Cycle length for CS is smaller than PS, then CN Drx Cycle length for PS is used to compare with the UTRAN Drx cycle length 3. UE supports only CS, the CN Drx cycle length for CS is used to compare with the UTRAN Drx cycle length 4. UE supports only PS, the CN Drx cycle length for PS is used to compare with the UTRAN Drx cycle length 5. Compare the shortest CN Drx cycle length with the UTRAN Drx Cycle length

New Constraint:

ASN.1 Type Constraint Declaration	
Constraint Name:	c_MAC_PagingCfg_diff_PIcount_e72(p_E72: B72; p_dRX : INTEGER)
Group:	
Type Name:	CmacPagingConfigReq
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value

{
pl_BitMapInfo e72: p_E72,
dRX_CycleLength p_dRX,
iMSI o_ConvertIMSI(px_IMSI_Diff),
t_pich_T_sccpch FALSE
}

Branches executed in test case 8.1.1.10

The test case 8_1_1_10 implementation executed the PS branch with integrity activated and ciphering disabled.

5 Execution Log Files

5.1 Nokia 6630

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

- **Test Case Execution log file tc_8_1_1_10_Nokia-log.txt:**

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

5.2 Motorola A835

The Motorola A835 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Test Case Execution log file tc_8_1_1_10_Motorola-log.txt:**

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

6 References

[1] **T1s050039**: This archive comprises text format execution log file and the TTCN MP file.

3GPP TSG-T1 E-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050036

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1191 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of NAS WI 12 test case 12.4.2.6.1 to NAS ATS V3.8.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	25/01/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI 12 NAS test case 12.4.2.6.1 to the approved NAS ATS V3.8.0
Summary of change:	⌘	This document lists all changes applied to test case 12.4.2.6.1 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	

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

Other comments:	⌘	

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

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

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

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

3GPP TSG-T1 E-Mail 2005 **T1s050036**
01 Jan - 31 Dec 2005

Title: **Changes to test case 12.4.2.6.1 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 12.4.2.6.1, which is part of the NAS test suite.

With these changes applied the test case can be demonstrated to run with more than one 3G UEs

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_12_4_2_6_1
Test Group:	GMM/Routing_Area_updating/Combined_RAU
ATS Version:	iWD-TVB2003-03_D04wk51 + essential modifications
System Simulator used:	**Anite 3G U-SAT**
UE used:	Nokia 6630, Motorola V980
Verification Status:	PASS

4 Corrections required for test case 12.4.2.6.1

4.1 Introduction

This section describes the changes required to make test case 12.4.2.6.1 run correctly with a 3G UE. The ATS version used as basis was NAS_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

4.2 Change 1

Test step name	tc_12_4_2_6_1, lt_ResetSysInfos_CellB
Reason for change	1) According to 34.123-1v5.10.0 Sec 12.4.2.6.4.1 at Step 9 of the expected sequence, “The access class x is not barred anymore”. This results in modification of SIB 3 and SIB4, which is handled in TTCN. However, the modified SIBS are not broadcast to the UE. 2) The test step *ts_RRC_Delay* is not needed after the paging message is sent to the UE.
Summary of change	1) Added Call to the test step *ts_SysInfoModifySIB3_And4_RRC* to broadcast the modified SIB information to the UE at row 3. 2) Removed the call to test step *ts_RRC_Delay* at row 4.

Before change:

lt_ResetSysInfos_CellB					
39		(tcv_SIB3.cellAccessRestriction.accessClassBarredList.[tcv_Tmpl] := tsc_CellNotBarred)			Reset SIB3
40		(tcv_SIB4.cellAccessRestriction.accessClassBarredList.[tcv_Tmpl] := tsc_CellNotBarred)			Reset SIB4 accordingly
41		+ts_PS_PagingType1BCCH_Modified (tsc_CellB)			Inform UE of Sys Info modification via paging
42		+ ts_RRC_Delay (tsc_WaitBeforePaging)			

After change:

lt_ResetSysInfos_CellB					
39		(tcv_SIB3.cellAccessRestriction.accessClassBarredList.[tcv_Tmpl] := tsc_CellNotBarred)			Reset SIB3
40		(tcv_SIB4.cellAccessRestriction.accessClassBarredList.[tcv_Tmpl] := tsc_CellNotBarred)			Reset SIB4 accordingly
41		+ts_SysInfoModifySIB3_And4_RRC(tsc_CellB, tcv_SIB3, tcv_SIB4, tsc_Now)			Send modified Sys Infos TTCN Change
42		+ts_PS_PagingType1BCCH_Modified (tsc_CellB)			Inform UE of Sys Info modification via paging

4.3 Change 2

Test step name	tc_12_4_2_6_1, lt_RAUpd_Steps_10To12 line #31
Reason for change	According to 34.123-1v5.10.0 Sec 12.4.2.6.4.1 at Step 11 of the expected sequence, in the RAU ACCEPT message, the UE should be assigned TMSI-1. In current TTCN implementation, IMSI is assigned.
Summary of change	1) Instead of using c_GMM_MobileIdIMSI, used c_GMM_MobileIdTMSI_Def. 2) Updated Cross reference for the same.

Before change:

31		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3(c_GMM_UpdateResultCombRA_LA, c_RAI_v (tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac, tcv_CellInfoB.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), c_GMM_MobileIdIMSI))		Step 11. ROUTING AREA UPDATING ACCEPT - type is 'Combined LA/RA updated' - RAI corresponding to cell B - P-TMSI-1 signature - P-TMSI-1 - IMSI

After change:

31		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3(c_GMM_UpdateResultCombRA_LA, c_RAI_v (tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac, tcv_CellInfoB.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), c_GMM_MobileIdTMSI_Def))		Step 11. ROUTING AREA UPDATING ACCEPT - type is 'Combined LA/RA updated' - RAI corresponding to cell B - P-TMSI-1 signature - P-TMSI-1 - TMSI-1

Branches executed in test case 12.4.2.6.1

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

5 Execution Log Files

5.1 Nokia 6630

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

- **Test Case Execution log file tc_12_4_2_6_1_Nokia-log.txt:**

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

5.2 Motorola V980

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

- **Test Case Execution log file tc_12_4_2_6_1_Motorola-log.txt:**

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

6 References

[1] **T1s050037**: This archive comprises text format execution log file and the TTCN MP file.

3GPP TSG-T1 E-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050034

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1192 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of NAS WI 12 test case 12.4.2.6.2 to NAS ATS V3.8.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	25/01/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI 12 NAS test case 12.4.2.6.2 to the approved NAS ATS V3.8.0
Summary of change:	⌘	This document lists all changes applied to test case 12.4.2.6.2 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	

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

Other comments:	⌘	

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

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

3GPP TSG-T1 E-Mail 2005 **T1s050034**
01 Jan - 31 Dec 2005

Title: **Changes to test case 12.4.2.6.2 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 12.4.2.6.2, which is part of the NAS test suite.

With these changes applied the test case can be demonstrated to run with more than one 3G UEs

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_12_4_2_6_2
Test Group:	GMM/Routing_Area_updating/Combined_RAU
ATS Version:	iWD-TVB2003-03_D04wk51 + essential modifications
System Simulator used:	**Anite 3G U-SAT**
UE used:	Nokia 6630, Motorola V980
Verification Status:	PASS

4 Corrections required for test case 12.4.2.6.2

4.1 Introduction

This section describes the changes required to make test case 12.4.2.6.2 run correctly with a 3G UE. The ATS version used as basis was NAS_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

4.2 Change 1

Test step name	tc_12_4_2_6_Proc2, lt_ResetSysInfos_CellB
Reason for change	This local tree is not called anywhere in the testcase.
Summary of change	Removed the local tree lt_ResetSysInfos_CellB from the testcase body.

4.3 Change 2

Test step name	tc_12_4_2_6_Proc2, lt_Activate_CellC
Reason for change	Comments are incorrect.
Summary of change	Comments are Corrected.

Before change:

lt_Activate_CellC					
44		+ts_SS_DecrementCellPowerLevel (tsc_CellB, tsc_AttenuationSuitableNeighbourCell - tsc_AttenuationServingCell)			Lower power level cell A
45		+ts_SS_IncrementCellPowerLevel (tsc_CellC, tsc_AttenuationNonSuitableNeighbourCell - tsc_AttenuationServingCell)			Increase power level cellI B

After change:

lt_Activate_CellC					
44		+ts_SS_DecrementCellPowerLevel (tsc_CellB, tsc_AttenuationSuitableNeighbourCell - tsc_AttenuationServingCell)			Lower power level cell B
45		+ts_SS_IncrementCellPowerLevel (tsc_CellC, tsc_AttenuationNonSuitableNeighbourCell - tsc_AttenuationServingCell)			Increase power level cellI C

4.4 Change 3

Test step name	tc_12_4_2_6_2, lt_RAUpd_Steps_11To13 line #31
Reason for change	According to 34.123-1v5.10.0 Sec 12.4.2.6.4.1 at Step 12 of the expected sequence, in the RAU ACCEPT message, the UE should be assigned TMSI-1. In current TTCN implementation, IMSI is assigned.
Summary of change	Instead of using c_GMM_MobileIdIMSI, used c_GMM_MobileIdTMSI_Def.

Before change:

31		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3(c_GMM_UpdateResultCombRA_LA, c_RAI_v(tcv_CellInfoC.mcc, tcv_CellInfoC.mnc, tcv_CellInfoC.lac, tcv_CellInfoC.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), c_GMM_MobileIdIMSI))		step 12.ROUTING AREA UPDATING ACCEPT - type is 'Combined LA/RA updated' - RAI corresponding to cell C - P-TMSI-1 signature - P-TMSI-1 - IMSI

After change:

31		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3(c_GMM_UpdateResultCombRA_LA, c_RAI_v(tcv_CellInfoC.mcc, tcv_CellInfoC.mnc, tcv_CellInfoC.lac, tcv_CellInfoC.rac), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), c_GMM_MobileIdTMSI_Def))		step 12.ROUTING AREA UPDATING ACCEPT - type is 'Combined LA/RA updated' - RAI corresponding to cell C - P-TMSI-1 signature - P-TMSI-1 - IMSI

Branches executed in test case 12.4.2.6.2

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

5 Execution Log Files

5.1 Nokia 6630

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

- **Test Case Execution log file tc_12_4_2_6_2_Nokia-log.txt:**

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

5.2 Motorola V980

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

- **Test Case Execution log file tc_12_4_2_6_2_Motorola-log.txt:**

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

6 References

[1] **T1s050035**: This archive comprises text format execution log file and the TTCN MP file.

3GPP TSG-T1 E-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050025

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1193 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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 WI 12 test case 14.2.32.2 to RAB ATS V3.8.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	25/01/2005
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI 12 RAB test cases 14.2.32.2 to the approved RAB ATS V3.8.0.
Summary of change:	⌘	This document lists all changes applied to test case 14.2.32.2 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG-T1 E-Mail 2005 ***T1s050025***
01 Jan - 31 Dec 2005

Title: **Changes to test case 14.2.32.2 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.32.2, which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_14_2_32_2
Test Group:	CombinationOnDPCH\Interactive_Background
ATS Version:	iWD-TVB2003-03_D04wk51 + essential modifications
System Simulator used:	**Anite 3G CT**
UE used:	Nokia 6630, Sony Ericsson Z1010
Verification Status:	PASS

4 Corrections required for test case 14.2.32.2

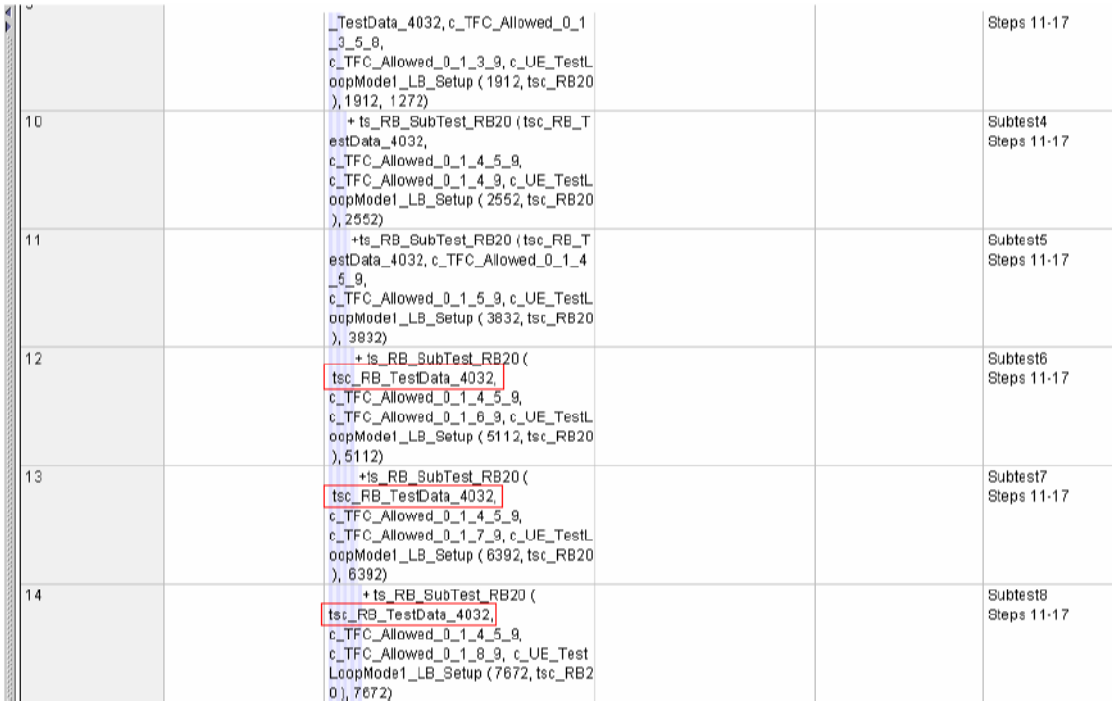
4.1 Introduction

This section describes the changes required to make test case 14.2.32.2 run correctly with a 3G UE. The ATS version used as basis was RAB_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

4.2 Change 1

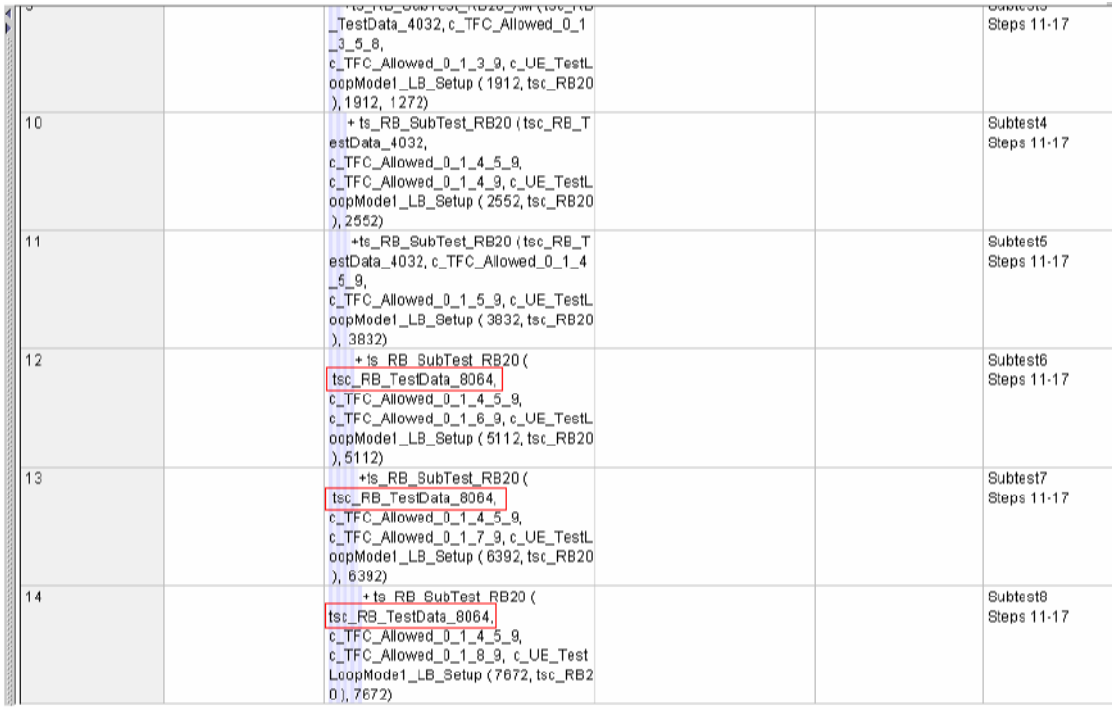
Test Case	**tc_14_2_32_2**
Reason for change	The testdata size used in subtest 6,7 & 8 for interactive call is less than the RLC SDU size that is being used in testcase. 1) In subtest 6, the RLC SDU size is 5112, but the testdata size used in TTCN is 4032 bits. 2) In subtest 7, the RLC SDU size is 6392, but the testdata size used in TTCN is 4032 bits. 3) In subtest 8, the RLC SDU size is 7672, but the testdata size used in TTCN is 4032 bits.
Summary of change	In line number 12,13 & 14 replace the constraint tsc_RB_TestData_4032 with the constraint tsc_RB_TestData_8064.
Source of change	New change

Before:



	_TestData_4032, c_TFC_Allowed_0_1_3_5_8, c_TFC_Allowed_0_1_3_9, c_UE_TestLoopMode1_LB_Setup (1912, tsc_RB20), 1912, 1272)		Steps 11-17
10	+ ts_RB_SubTest_RB20 (tsc_RB_TestData_4032, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_4_9, c_UE_TestLoopMode1_LB_Setup (2552, tsc_RB20), 2552)		Subtest4 Steps 11-17
11	+ts_RB_SubTest_RB20 (tsc_RB_TestData_4032, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_5_9, c_UE_TestLoopMode1_LB_Setup (3832, tsc_RB20), 3832)		Subtest5 Steps 11-17
12	+ ts_RB_SubTest_RB20 (tsc_RB_TestData_4032, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_6_9, c_UE_TestLoopMode1_LB_Setup (5112, tsc_RB20), 5112)		Subtest6 Steps 11-17
13	+ts_RB_SubTest_RB20 (tsc_RB_TestData_4032, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_7_9, c_UE_TestLoopMode1_LB_Setup (6392, tsc_RB20), 6392)		Subtest7 Steps 11-17
14	+ ts_RB_SubTest_RB20 (tsc_RB_TestData_4032, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_8_9, c_UE_TestLoopMode1_LB_Setup (7672, tsc_RB20), 7672)		Subtest8 Steps 11-17

After:



		_TestData_4032, c_TFC_Allowed_0_1 _3_5_8, c_TFC_Allowed_0_1_3_9, c_UE_TestL oopMode1_LB_Setup (1912, tsc_RB20), 1912, 1272)			Steps 11-17
10		+ ts_RB_SubTest_RB20 (tsc_RB_T estData_4032, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_4_9, c_UE_TestL oopMode1_LB_Setup (2552, tsc_RB20), 2552)			Subtest4 Steps 11-17
11		+ts_RB_SubTest_RB20 (tsc_RB_T estData_4032, c_TFC_Allowed_0_1_4 _5_9, c_TFC_Allowed_0_1_5_9, c_UE_TestL oopMode1_LB_Setup (3832, tsc_RB20), 3832)			Subtest5 Steps 11-17
12		+ ts_RB_SubTest_RB20 (tsc_RB_TestData_8064, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_6_9, c_UE_TestL oopMode1_LB_Setup (5112, tsc_RB20), 5112)			Subtest6 Steps 11-17
13		+ts_RB_SubTest_RB20 (tsc_RB_TestData_8064, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_7_9, c_UE_TestL oopMode1_LB_Setup (6392, tsc_RB20), 6392)			Subtest7 Steps 11-17
14		+ ts_RB_SubTest_RB20 (tsc_RB_TestData_8064, c_TFC_Allowed_0_1_4_5_9, c_TFC_Allowed_0_1_8_9, c_UE_Test LoopMode1_LB_Setup (7672, tsc_RB2 0), 7672)			Subtest8 Steps 11-17

Branches executed in test case 14.2.32.2

The test case 14_2_32_2 implementation executed both the CS and PS branches with integrity enabled and ciphering disabled.

5 Execution Log Files

5.1 Nokia 6630

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

- **Test Case Execution log file tc_14_2_32_2_Nokia-log.txt:**

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

5.2 Sony Ericsson Z1010

The Sony Ericsson Z1010 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Test Case Execution log file tc_14_2_32_2_SonyEricsson-log.txt:**

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

6 References

[1] **T1s050026**: This archive comprises text format execution log file and the TTCN MP file.

3GPP TSG-T1 E-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050031

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1194 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

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

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

Title:	⌘	Addition of WI12 test case 8.1.6.3 to RRC ATS v3.8.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	25/01/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add WI12 RRC test cases 8.1.6.3 to the approved RRC ATS V3.8.0
Summary of change:	⌘	This document lists all changes applied to test cases 8.1.6.3 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	

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

Other comments:	⌘	

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

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

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

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

3GPP TSG-T1 E-Mail 2005 ***T1s050031***
01 Jan - 31 Dec 2005

Title: **Changes to test case 8.1.6.3 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case cases 8.1.6.3, which are part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_1_6_3

Test Group: RRC_Paging

ATS Version: iWD-TVB2003-03_D04wk51 + essential modifications

System Simulator used: Anite CT

UE used: Nokia 6630, Qualcomm TM6250.

Verification Status: PASS

4 Corrections required for test case 8.1.6.3

4.1 Introduction

This section describes the changes required to make test cases 8.1.6.3 run correctly with a 3G UE. The ATS version used as basis was RRC_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

4.2 Change 1

Testcase	tc_8_1_6_3, local test step lt_TestBody
Reason for change	1) In the testcase uplink messages are received on Cell ID A instead of Cell Dedicated. 2) As per 34.123-1 for steps 3, 6, 8 and 11 in the specific message contents, it is mentioned to check whether CPICH_RSCP values are in the range. 3) As per 34.123-1 specific message contents, steps 6, 8 and 11 NAS message type should be checked. 4) Since the testcase is only for PS domains, in Security mode command Ciphering and Integrity Keys should be passed for PS domain. But the Ciphering and Integrity Keys passed at the testcase are for CS domain.
Summary of change	1) Messages received at steps 6, 8 and 11 are received in Cell Dedicated cell. 2) At steps 3, 6, 8 and 11 CPICH_RSCP value is assigned to the variable tcv_Checkcpich_RSCP and new localtree lt_CheckCPICH_RSCP is created to check the RSCP value. 3) At steps 6, 8 and 11 NAS message type are checked in the initial direct transfer messages. 4) Variables tcv_PS_AuthCK and tcv_PS_AuthIK are used for Ciphering and Integrity Keys at Step 9 instead of using the variables tcv_AuthCK and tcv_AuthIK.
Source of change	New change

Before:

lt_TestBody					
13		+ts_AT_InitConnection (tsc_CellA)			step 2
14		TM ? RLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity)	car_RRC_ConnReq (tsc_CellA, tsc_RB0, cdr_RRC_ConnReqRACH (tcv_RRC_EstCauMO))	(P)	step 3
15		+ ts_RRC_ConnEstEnd (tsc_CellA)			Steps 4-5
16		+ts_SS_SetConfigRRC_RB3 (tsc_CellA)			
17	TBP1	AM ? RLC_AM_DATA_IND (tcv_Start := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.initialDirectTransfer.v3a0NonCriticalExtensions.initialDirectTransfer_v3a0ext.start_Value)	car_RRC_InitDirectTransfer (tsc_CellA, tsc_RB3_DCCH_RRC, cr_InitDirectTransferRACH (tcv_CN_Domain, o_OctToBit (tcv_PTMSI_TMSI)(*)))	(P)	step 6 - INITIAL DIRECT TRANSFER (SERVICE REQUEST)
18		+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)			
19		+ts_SS_RemoveConfigRRC_RB3 (tsc_CellA)			
20		+ts_GMM_InitAuthReq (tsc_CellA)			Step 7 - AUTHENTICATION AND CIPHERING REQUEST
21		+ts_SS_SetConfigRRC_RB3 (tsc_CellA)			
22	TBP2	AM ? RLC_AM_DATA_IND	car_RRC_UplinkDirectTransfer(tsc_CellA, tsc_RB3_DCCH_RRC, cr_UplinkDirectTransferRACH (tcv_CN_Domain(*)))	(P)	step 8 - UPLINK DIRECT TRANSFER (AUTHENTICATION AND CIPHERING RESPONSE)
23		+ts_SS_RemoveConfigRRC_RB3 (tsc_CellA)			
24		+ts_RRC_Security (tsc_CellA, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			step 9 and step 10
25		+ts_SS_SetConfigRRC_RB3 (tsc_CellA)			
26	TBP3	AM ? RLC_AM_DATA_IND	car_RRC_UplinkDirectTransfer (tsc_CellA, tsc_RB3_DCCH_RRC, cr_UplinkDirectTransferRACH (tcv_CN_Domain(*)))	(P)	step 11
27		+ts_SS_RemoveConfigRRC_RB3 (tsc_CellA)			

After:

lt_TestBody					
13		+ts_AT_InitConnection (tsc_CellA)			step 2
14		TM ? RLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity, tcv_Checkcpich_RSCP := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.measuredResultsOnRACH.currentCell.modeSpecificInfo.fdd.measurementQuantity.cpich_RSCP)	car_RRC_ConnReq (tsc_CellA, tsc_RB0, cdr_RRC_ConnReqRACH (tcv_RRC_EstCauMO))	(P)	step 3
15		+lt_CheckCPICH_RSCP			
16		+ ts_RRC_ConnEstEnd (tsc_CellA)			Steps 4-5
17		+ts_SS_SetConfigRRC_RB3 (tsc_CellA)			
18	TBP1	AM ? RLC_AM_DATA_IND (tcv_Start := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.initialDirectTransfer.v3a0NonCriticalExtensions.initialDirectTransfer_v3a0ext.start_Value, tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.initialDirectTransfer.measuredResultsOnRACH.currentCell.modeSpecificInfo.fdd.measurementQuantity.cpich_RSCP)	car_RRC_InitDirectTransfer (tsc_CellDedicated, tsc_RB3_DCCH_RRC, cr_InitDirectTransferRACH (tcv_CN_Domain, o_OctToBit (tcv_PTMSI_TMSI), ('080C*'O)))	(P)	step 6 - INITIAL DIRECT TRANSFER (SERVICE REQUEST)
19		+lt_CheckCPICH_RSCP			
20		+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)			
21		+ts_SS_RemoveConfigRRC_RB3 (tsc_CellA)			
22		+ts_GMM_InitAuthReq (tsc_CellA)			Step 7 - AUTHENTICATION AND CIPHERING REQUEST
23		+ts_SS_SetConfigRRC_RB3 (tsc_CellA)			
24	TBP2	AM ? RLC_AM_DATA_IND (tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.uplinkDirectTransfer.measuredResultsOnRACH.currentCell.modeSpecificInfo.fdd.measurementQuantity.cpich_RSCP)	car_RRC_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3_DCCH_RRC, cr_UplinkDirectTransferRACH (tcv_CN_Domain, ('0813*'O)))	(P)	step 8 - UPLINK DIRECT TRANSFER (AUTHENTICATION AND CIPHERING RESPONSE)
25		+lt_CheckCPICH_RSCP			
26		+ts_SS_RemoveConfigRRC_RB3 (tsc_CellA)			
27		+ts_RRC_Security (tsc_CellA, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			step 9 and step 10
28		+ts_SS_SetConfigRRC_RB3 (tsc_CellA)			
29	TBP3	AM ? RLC_AM_DATA_IND (tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.uplinkDirectTransfer.measuredResultsOnRACH.currentCell.modeSpecificInfo.fdd.measurementQuantity.cpich_RSCP)	car_RRC_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3_DCCH_RRC, cr_UplinkDirectTransferRACH (tcv_CN_Domain, ('0A41*'O)))	(P)	step 11
30		+lt_CheckCPICH_RSCP			
31		+ts_SS_RemoveConfigRRC_RB3 (tsc_CellA)			

New Local Tree:

lt_CheckCPICH_RSCP					
32	TBP3	[(tsc_Cpich_RSCP_60dBm + tsc_cpich_RSCPMin <= tcv_Checkcpich_RSCP) AND (tcv_Checkcpich_RSCP <= tsc_Cpich_RSCP_60dBm + tsc_cpich_RSCPMax)]		(P)	
33	TBF3	[TRUE]		(F)	

New Declarations:

tsc_Cpich_RSCP_60dBm	INTEGER	55	the equivalent of 60dBm ref to TS25.133

Branches executed in test case 8.1.6.3

The test case 8_1_6_3 implementation executed the PS branch with integrity activated and ciphering enabled.

5 Execution Log Files

5.1 Nokia 3G UE 6630

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

- **Test Case Execution log file tc_8_1_6_3_Nokia-log.txt:**

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

5.2 Qualcomm TM6250

The Qualcomm TM6250 passed this test case on the Anite 3G CT system. The documentation below is enclosed as evidence of the successful test case run [2]:

- **Test Case Execution log file tc_8_1_6_3_Qualcomm-log.txt:**

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

6 References

[1] **T1s050032**: This archive comprises text format execution log file and the TTCN MP file.

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1195 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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 WI 12 test case 14.2.9 to RAB ATS V3.8.0
Source:	⌘	Anite, R&S
Work item code:	⌘	N/A
Date:	⌘	25/01/2005
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI 12 RAB test cases 14.2.9 to the approved RAB ATS V3.8.0.
Summary of change:	⌘	This document lists all changes applied to test case 14.2.9 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG-T1 E-Mail 2005 ***T1s050023***
01 Jan - 31 Dec 2005

Title: **Changes to test case 14.2.9 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.9, which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_14_2_9
Test Group:	CombinationOnDPCH\Conversational_Speech
ATS Version:	iWD-TVB2003-03_D04wk51 + essential modifications
System Simulator used:	**Anite 3G CT**
UE used:	Nokia 6630 and Sony Ericsson Z1010
Verification Status:	PASS

4 Corrections required for test case 14.2.9

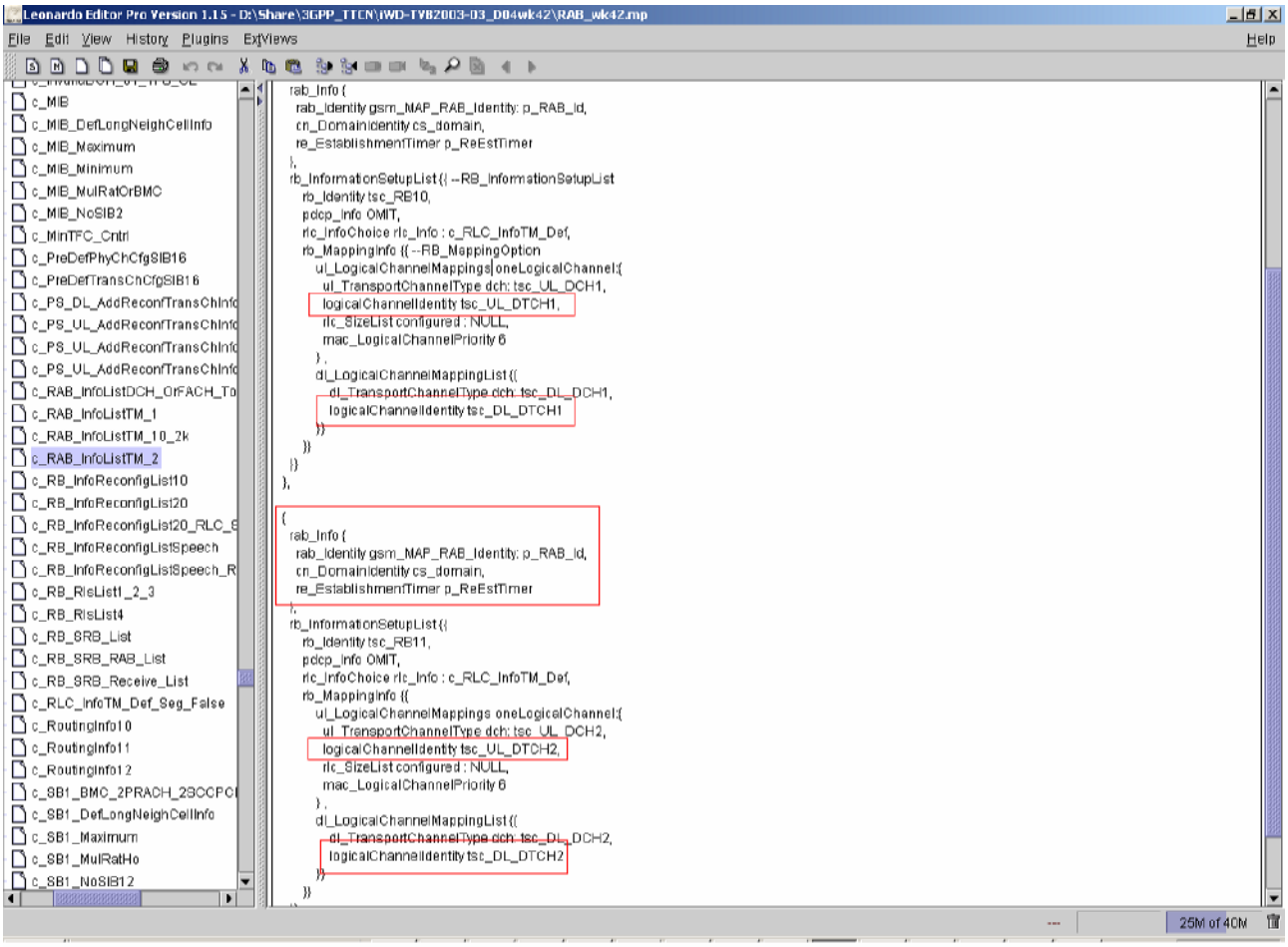
4.1 Introduction

This section describes the changes required to make test case 14.2.9 run correctly with a 3G UE. The ATS version used as basis was RAB_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

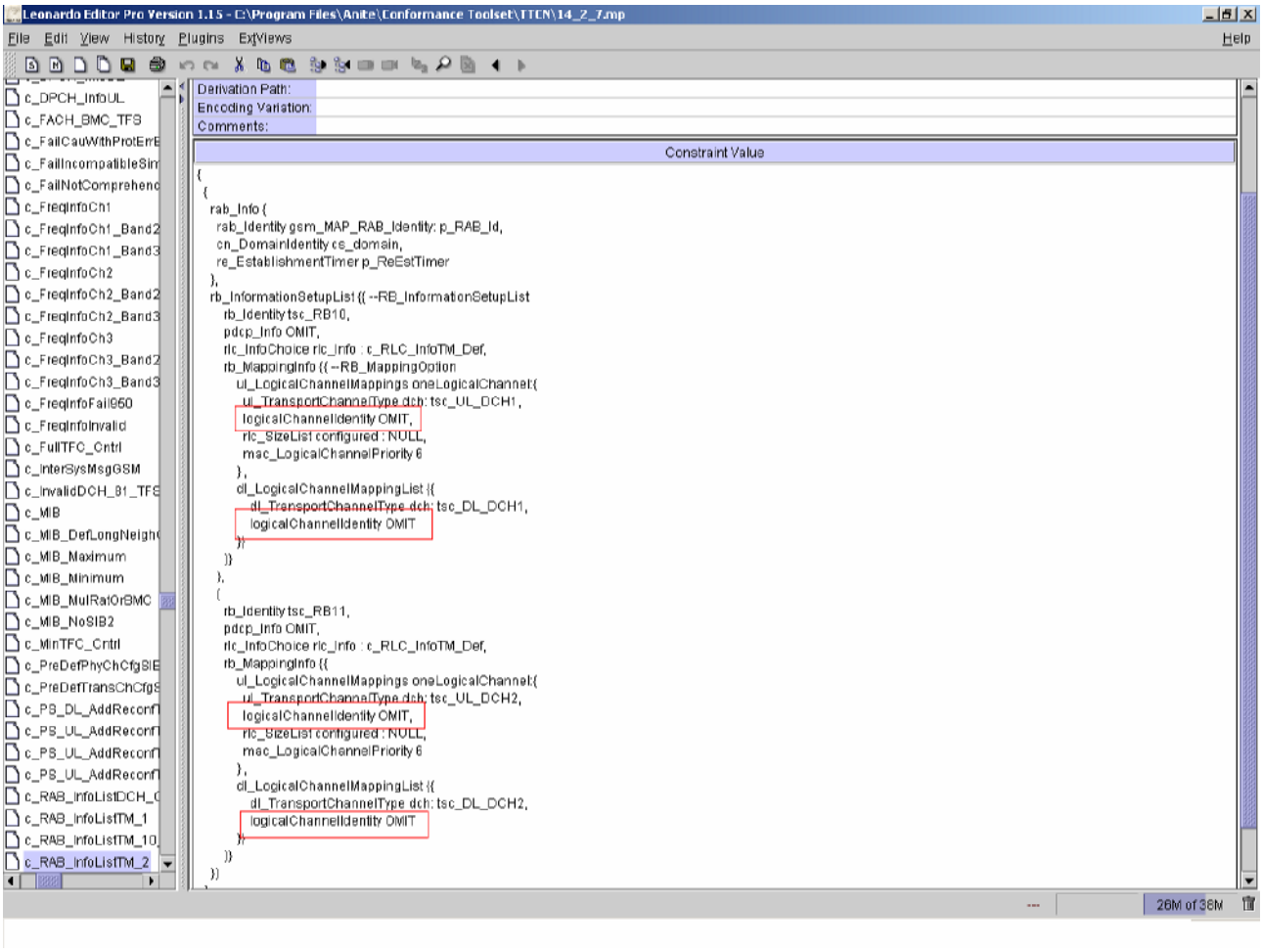
4.2 Change 1

Constraint	c_RAB_InfoListTM_2
Reason for change	1) As per the 34.108 the IE “logicalChannelIdentity” should be omitted, however in the TTCN the IE “logicalChannelIdentity” is present. 2) In TTCN for RB 11 IE “rab_info” is defined again. However as RB 10 and RB 11 are part of the same RAB (‘00000001’B), thus IE “rab_info” need not be repeated for RB 11.
Summary of change	1) In constraint c_RAB_InfoListTM_2, the IE “logicalChannelIdentity” is changed to “OMIT” for RB 10 & RB11. 2) IE “rab_info” is removed for RB 11.
Source of change	New change

Before:


Leonardo Editor Pro Version 1.15 - D:\Share\3GPP_TTCN\IWD-TVB2003-03_D04wk42\RAB_wk42.mp
File Edit View History Plugins ExtViews Help
c_MIB
c_MIB_DefLongNeighCellInfo
c_MIB_Maximum
c_MIB_Minimum
c_MIB_MulRatOrBMC
c_MIB_NoSIB2
c_MinTFC_Cntrl
c_PreDefPhyChCfgSIB16
c_PreDefTransChCfgSIB16
c_PS_DL_AddReconfTransChInfo
c_PS_UL_AddReconfTransChInfo
c_PS_UL_AddReconfTransChInfo
c_PS_UL_AddReconfTransChInfo
c_RAB_InfoListDCH_OrFACH_To
c_RAB_InfoListTM_1
c_RAB_InfoListTM_10_2k
c_RAB_InfoListTM_2
c_RB_InfoReconfigList10
c_RB_InfoReconfigList20
c_RB_InfoReconfigList20_RLC_S
c_RB_InfoReconfigListSpeech
c_RB_InfoReconfigListSpeech_R
c_RB_RlcList1_2_3
c_RB_RlcList4
c_RB_SRB_List
c_RB_SRB_RAB_List
c_RB_SRB_Receive_List
c_RLC_InfoTM_Def_Seg_False
c_RoutingInfo10
c_RoutingInfo11
c_RoutingInfo12
c_SB1_BMC_2PRACH_2SCCPCI
c_SB1_DefLongNeighCellInfo
c_SB1_Maximum
c_SB1_MulRatHo
c_SB1_NoSIB12
rab_Info {
rab_Identity gsm_MAP_RAB_Identity: p_RAB_Id,
cn_DomainIdentity cs_domain,
re_EstablishmentTimer p_ReEstTimer
},
rb_InformationSetupList {{ --RB_InformationSetupList
rb_Identity tsc_RB10,
pdcp_Info OMIT,
rlc_InfoChoice rlc_Info : c_RLC_InfoTM_Def,
rb_MappingInfo {{ --RB_MappingOption
ul_LogicalChannelMappings oneLogicalChannel:{
ul_TransportChannelType dch: tsc_UL_DCH1,
logicalChannelIdentity tsc_UL_DTCH1,
rlc_SizeList configured : NULL,
mac_LogicalChannelPriority 6
},
dl_LogicalChannelMappingList {{
dl_TransportChannelType dch: tsc_DL_DCH1,
logicalChannelIdentity tsc_DL_DTCH1
}}
}}
}},
{
rab_Info {
rab_Identity gsm_MAP_RAB_Identity: p_RAB_Id,
cn_DomainIdentity cs_domain,
re_EstablishmentTimer p_ReEstTimer
},
rb_InformationSetupList {{
rb_Identity tsc_RB11,
pdcp_Info OMIT,
rlc_InfoChoice rlc_Info : c_RLC_InfoTM_Def,
rb_MappingInfo {{
ul_LogicalChannelMappings oneLogicalChannel:{
ul_TransportChannelType dch: tsc_UL_DCH2,
logicalChannelIdentity tsc_UL_DTCH2,
rlc_SizeList configured : NULL,
mac_LogicalChannelPriority 6
},
dl_LogicalChannelMappingList {{
dl_TransportChannelType dch: tsc_DL_DCH2,
logicalChannelIdentity tsc_DL_DTCH2
}}
}}
25M of 40M

After:



4.3 Change 2

Test Step	ts_SendRB_SetUpSpeech_5_9k
Reason for change	In the TTCN implementation the TrCH position used is “flexible”, however as per 34.108 section 6.10.2.4.1.9.2.2 it should be “fixed”
Summary of change	Constraint c_DL_CommonInformationRB_SetUpSpeech is used instead of c_DL_CommonInformationRB_SetUp at line no 2 & 4 of teststep ts_SendRB_SetUpSpeech_5_9k
Source of change	New change

Before:

1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, p_ActTime, cell_DCH, OMIT, c_RAB_InfoListTM_2(c_ReEstTimerT314, p_RAB_Id), c_UL_CommTrChInfoTmSpeech(c_PowerOffsetInfoBelow64k), c_UL_AddReconfTransChInfoListTM_2 (c_DCH_55_TFS_UE, c_DCH_63_TFS_UE, c_DCH_148_TFS_UE_UL), c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM2(c_DCH_55_TFS_DL_UE, c_DCH_63_TFS_UE), c_DL_InformationPerRL(tcv_TmpCellInfo.priScrmCode, tsc_Sfc128 , OMIT), c_DL_CommonInformationRB_SetUp(tsc_Sfd128_4) , cb_UL_DPCH_Info (tsc_Sf64, pl0_96, tcv_TmpCellInfo.uL_ScramblingCode) , OMIT))		tcv_SprdFct + tcv_PuncLimit => values ? same for uplink and downlink ? FreqInfo ?
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		
4		+ ts_3DCH_ModifySpeech (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp (tsc_Sfd128_4) , cb_UL_DPCH_Info (tsc_Sf64, pl0_96, tcv_TmpCellInfo.uL_ScramblingCode),c_DCH_148_TFS_UL, c_DCH_55_TFS,c_DCH_55_TFS_DL, c_DCH_63_TFS ,tsc_Sfc128)			
5		+ts_RB10_To_RB11_TM_ConfigSpeech (55, 63)			

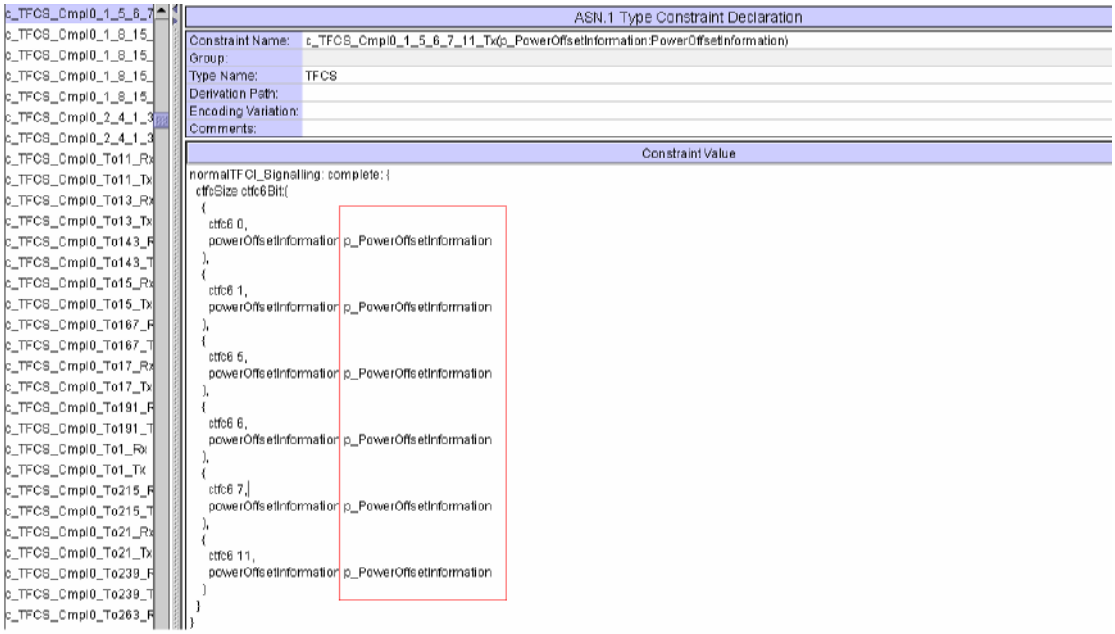
After:

1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, p_ActTime, cell_DCH, OMIT, c_RAB_InfoListTM_2(c_ReEstTimerT314, p_RAB_Id), c_UL_CommTrChInfoTmSpeech(c_PowerOffsetInfoBelow64k), c_UL_AddReconfTransChInfoListTM_2 (c_DCH_55_TFS_UE, c_DCH_63_TFS_UE, c_DCH_148_TFS_UE_UL), c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM2(c_DCH_55_TFS_DL_UE, c_DCH_63_TFS_UE), c_DL_InformationPerRL(tcv_TmpCellInfo.priScrmCode, tsc_Sfc128 , OMIT), c_DL_CommonInformationRB_SetUpSpeech (tsc_Sfd128_4) , cb_UL_DPCH_Info (tsc_Sf64, pl0_96, tcv_TmpCellInfo.uL_ScramblingCode) , OMIT))		tcv_SprdFct + tcv_PuncLimit => values ? same for uplink and downlink ? FreqInfo ?
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		
4		+ ts_3DCH_ModifySpeech (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUpSpeech (tsc_Sfd128_4) , cb_UL_DPCH_Info (tsc_Sf64, pl0_96, tcv_TmpCellInfo.uL_ScramblingCode),c_DCH_148_TFS_UL, c_DCH_55_TFS,c_DCH_55_TFS_DL, c_DCH_63_TFS ,tsc_Sfc128)			
5		+ts_RB10_To_RB11_TM_ConfigSpeech (55, 63)			

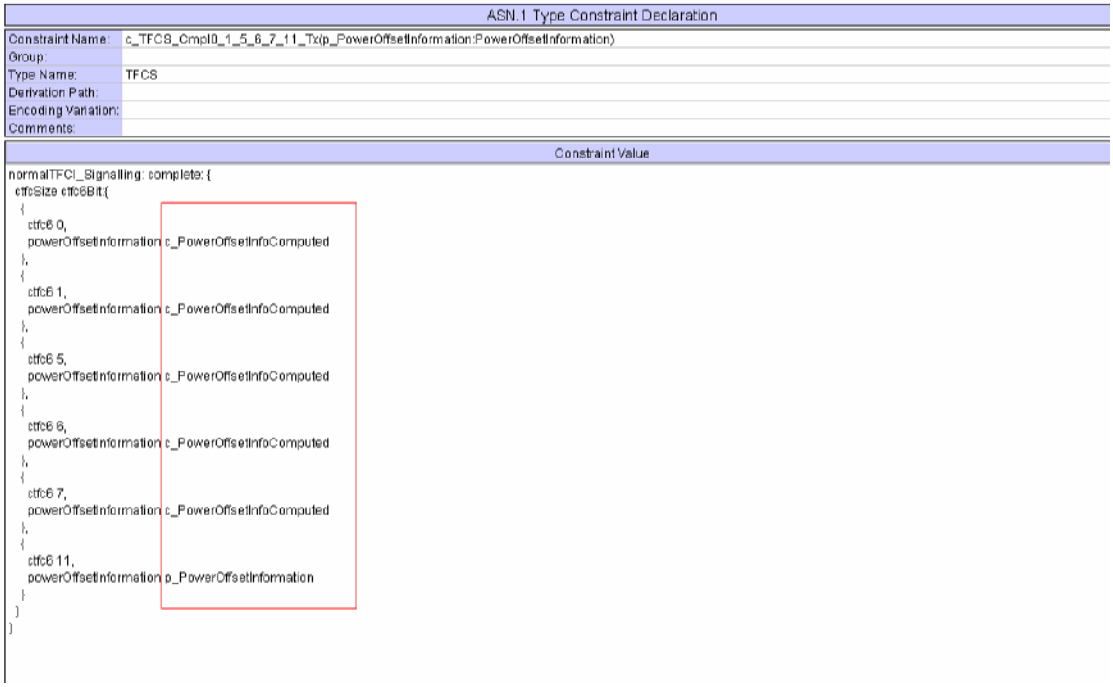
4.4 Change 3

Constraint	c_TFCS_Cmpl0_1_5_6_7_11_Tx
Reason for change	According 34.108, section 9.1.1default content for Radio Bearer Setup Message, IE “poweroffset information” should set to Computed Gain Factors for all the TFC expect for the last TFC which is set to Signalled Gain Factors. In the TTCN all the TFC are set as Signalled Gain Factors
Summary of change	The poweroffset information is changed to c_PowerOffsetInfoComputed for CTFC 0,1,5,6,7
Source of change	New change

Before:



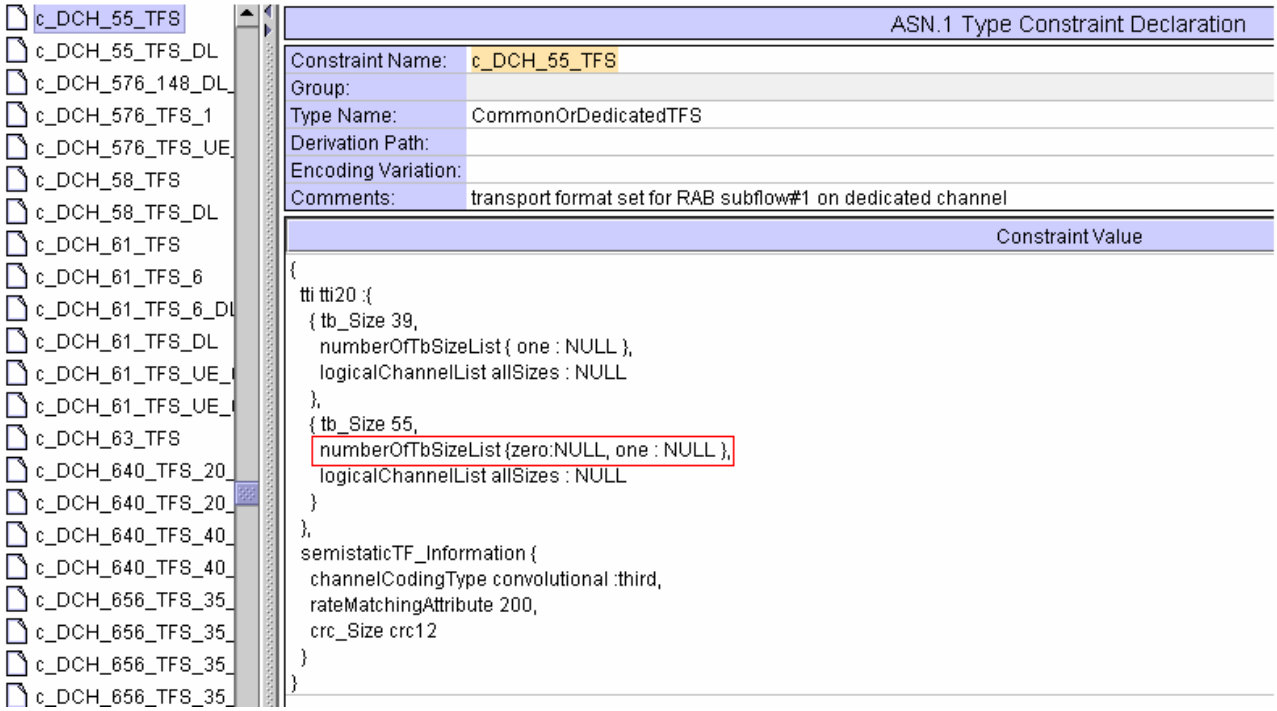
After:



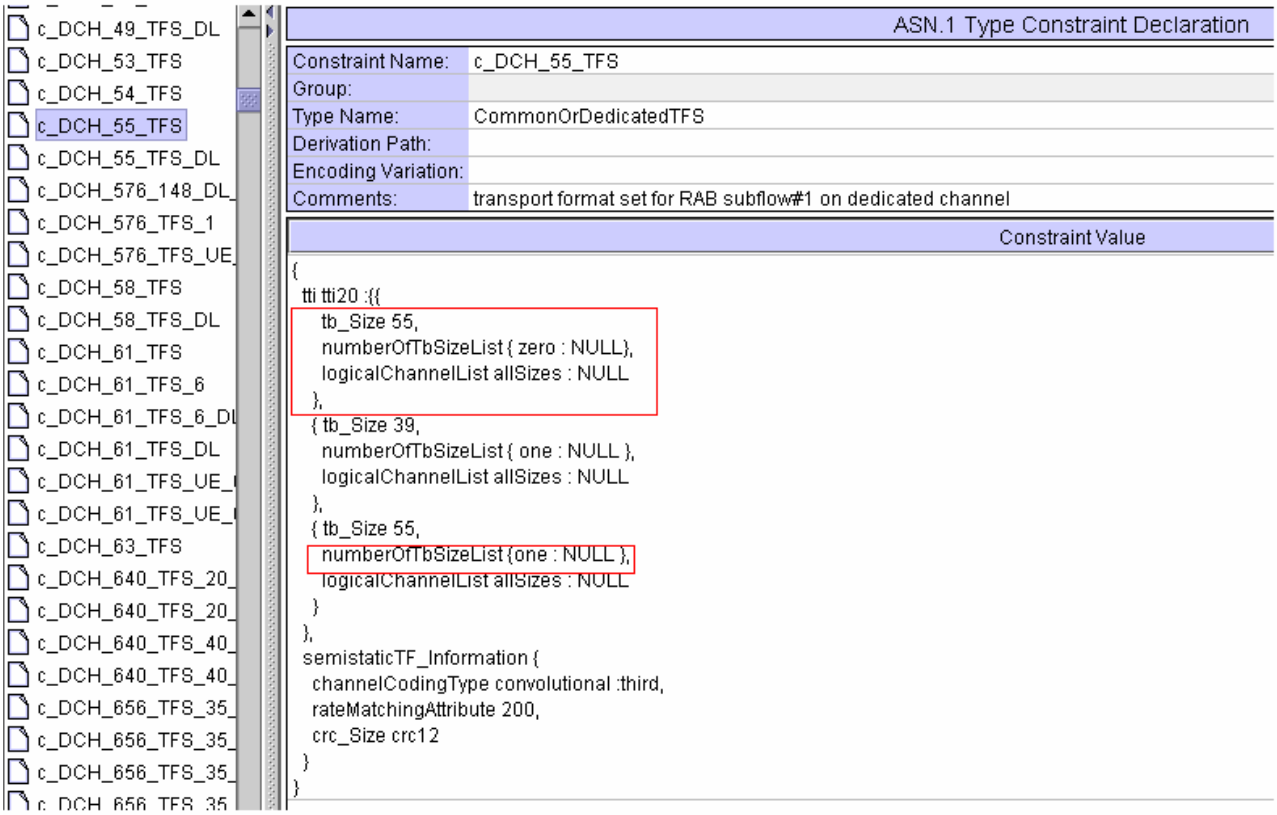
4.5 Change 4

Constraint	c_DCH_55_TFS
Reason for change	According to 34.123-1, for uplink TFS, TF0 must be 0x55. However in the constraint c_DCH_55_TFS, TF0 is defined as 1x39. TF 0x55 is defined as TF1 which is incorrect
Summary of change	In the constraint TF0 is modified as 0x55
Source of change	New change

Before:



After:

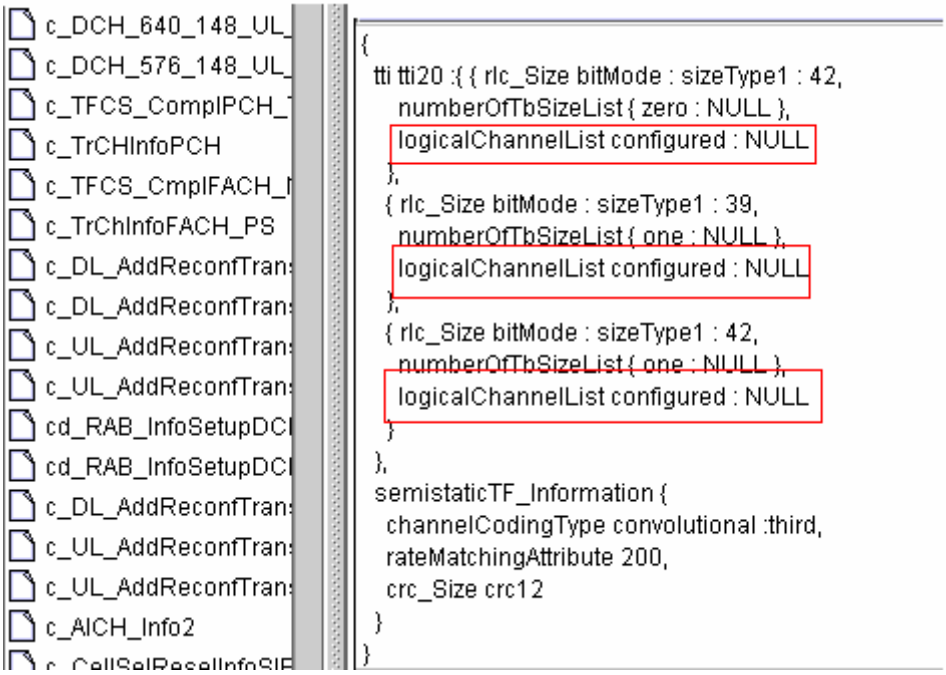


4.6 Change 5

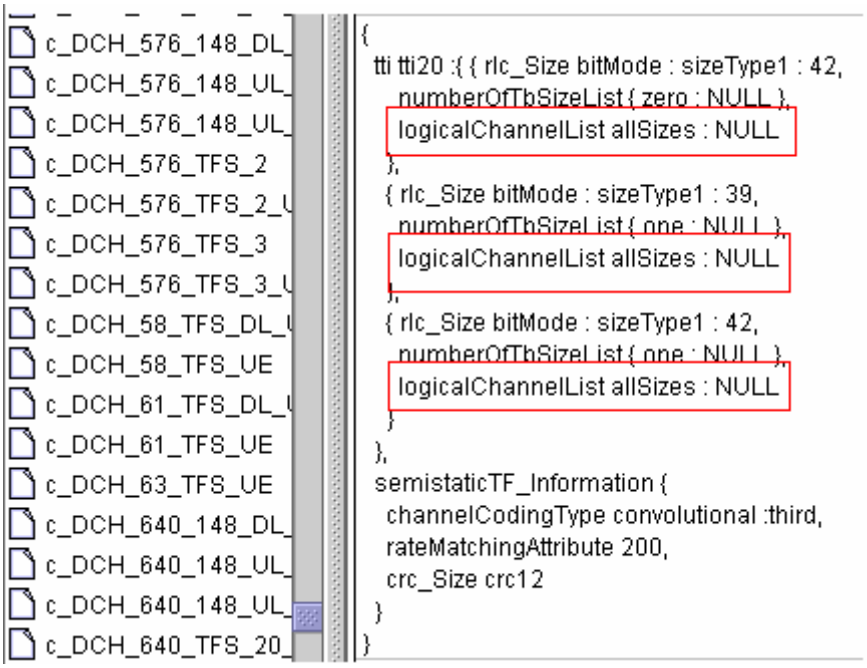
Constraint	c_DCH_55_TFS_UE, c_DCH_63_TFS_UE, c_DCH_55_TFS_DL_UE,
Reason for change	In the transport format set constraints mentioned above, the parameter “logicalChannelList” is set as “configured”. However as per 34.108 section 9.1.1default content for Radio Bearer Setup Message, this parameter should be

	"allSizes." Note: Changes below are shown only for c_DCH_55_TFS_UE. Similar changes are required for c_DCH_63_TFS_UE and c_DCH_55_TFS_DL_UE
Summary of change	For the above constraints, the parameter "logicalChannelList" is corrected to "allSizes" from "configured"
Source of change	New change

Before:



After:



4.7 Change 6

Constraint	ts_3DCH_ModifySpeech
Reason for change	The parameter for the "transport channe info" IE for the MAC configuration in the DL is wrong. This corresponds to the UL one.

Summary of change	Corrected error: used “p_DchTFS1_DL” instead of “p_DchTFS1” in the CMAC configuration.
Source of change	New change

Before:

6			CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf(p_CellId, tsc_DL_DPCH1)		
7			CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfo(tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoDL_3_Speech (p_DchTFS5 , p_DchTFS1 , p_DchTFS2), c_TrLogMappingDL_3_Speech,p_ActTime)		3.
8			CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated, tsc_DL_DPCH1)		

After:

6			CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf(p_CellId, tsc_DL_DPCH1)		
7			CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfo(tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoDL_3_Speech (p_DchTFS5 , p_DchTFS1_DL , p_DchTFS2), c_TrLogMappingDL_3_Speech,p_ActTime)		3.
8			CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated, tsc_DL_DPCH1)		

Branches executed in test case 14.2.9

The test case 14_2_9 implementation executed both the CS and PS branches with integrity enabled and ciphering disabled.

5 Execution Log Files

5.1 Nokia 6630

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

- **Test Case Execution log file tc_14_2_9_Nokia-log.txt:**

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

5.2 Sony Ericsson Z1010

The Sony Ericsson Z1010 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Test Case Execution log file tc_14_2_9_SonyEricsson-log.txt:**

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

6 References

[1] **T1s050024**: This archive comprises text format execution log file and the TTCN MP file.

3GPP TSG-T1 E-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050010

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1196 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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 WI 12 test case 14.2.34.1 to RAB ATS V3.8.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	14/01/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI 12 RAB test case 14.2.34.1 to the approved RAB ATS V3.8.0
Summary of change:	⌘	No Changes are required in the wk51 TTCN.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	

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

Other comments: ⌘

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

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

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

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

3GPP TSG-T1 E-Mail 2005 **T1s050010**
01 Jan - 31 Dec 2005

Title:	**Changes to test case 14.2.34.1 required for approval**
Source:	Anite
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Philip Rose

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

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 14.2.34.1, which is part of the RAB test suite.

With no changes applied the test case can be demonstrated to run with more than one 3G UEs

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_14_2_34_1
Test Group:	CombinationOnDPCH/Interactive_Background
ATS Version:	iWD-TVB2003-03_D04wk51
System Simulator used:	**Anite 3G U-SAT**
UE used:	Qualcomm TM6250, Sony Ericsson Z1010
Verification Status:	PASS

4 Branches executed in test case 14.2.34.1

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

5 Execution Log Files

5.1 Qualcomm TM6250

The Qualcomm TM6250 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Test Case Execution log file tc_14_2_34_1_Qualcomm-log.txt:**

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

5.2 Sony Ericsson Z1010

The Sony Ericsson Z1010 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Test Case Execution log file tc_14_2_34_1_SonyEricsson-log.txt:**

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

6 References

[1] **T1s050011**: This archive comprises text format execution log file and the TTCN MP file.

3GPP TSG-T1 E-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050008

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1197 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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 WI 12 test case 14.2.28 to RAB ATS V3.8.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	14/01/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF WI 12 RAB test case 14.2.28 to the approved RAB ATS V3.8.0
Summary of change:	⌘	No Changes are required in the wk51 TTCN.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	

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

Other comments: ⌘

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

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

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

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

3GPP TSG-T1 E-Mail 2005 **T1s050008**
01 Jan - 31 Dec 2005

Title:	**Changes to test case 14.2.28 required for approval**
Source:	Anite
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Philip Rose

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Tel. +44 1252 775200

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 14.2.28, which is part of the RAB test suite.

With no changes applied the test case can be demonstrated to run with more than one 3G UEs

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_14_2_28
Test Group:	CombinationOnDPCH/Interactive_Background
ATS Version:	iWD-TVB2003-03_D04wk51
System Simulator used:	**Anite 3G U-SAT**
UE used:	Nokia 6630, Sony Ericsson Z1010
Verification Status:	PASS

4 Branches executed in test case 14.2.28

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

5 Execution Log Files

5.1 Nokia 6630

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

- **Test Case Execution log file tc_14_2_28_Nokia-log.txt:**

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

5.2 Sony Ericsson Z1010

The Sony Ericsson Z1010 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Test Case Execution log file tc_14_2_28_SonyEricsson-log.txt:**

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

6 References

[1] **T1s050009**: This archive comprises text format execution log file and the TTCN MP file.

3GPP T1#1-TTCN e-Mail 2005
01 Jan - 31 Dec 2005

Tdoc ⌘T1s050001

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1198 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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:	⌘	Changes to GCF package 4 IR_U test case 8.3.11.4 required for approval.
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	11/01/05
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 IR_U test case 8.3.11.4 to the approved IR_U ATS V3.8.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.11.4 required for approval.
Consequences if not approved:	⌘	The Test case will not be added to the ATS.

Clauses affected:	⌘	N/A

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	3GPP TS 34.123-1
	X		Test specifications	
		X	O&M Specifications	

Other comments:	⌘	The specific message contents in 8.3.11.4.4 of 3GPP TS 34.123-1 for the Cell Update Confirm message must be modified to contain DL information common for all radio links.

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

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

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

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

Title: **Changes to test case 8.3.11.4 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

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1 Overview

This document is a CR on test case 8.3.11.4. It lists all the changes needed to correct detected problems in the TTCN implementation of test case 8.3.11.4 which is part of the IR_U test suite.

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

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_3_11_4

Test Group: CellChangeOrderUTRAN_ToGSM/

ATS Version: IR_U_wk51.mp

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

UEs used: Nokia UE 6630

Verification Status: PASS

4 Corrections required for test case 8.3.11.4

4.1 Introduction

This CR presents corrections on CellChangeOrderUTRAN_ToGSM test case tc_8_3_11_4 required for approval.

The ATS enclosed in T1s050002.zip [1] contains the modifications of test case tc_8_3_11_4 described in this document.

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

a) There are new TTCN objects proposed (marked 'New' in the ATS Reference in Annex A).

b) All other changes on existing objects are explicitly described in this CR.

Annex A contains a table listing all change label/affected object combinations applicable to tc_8_3_11_4.

4.2 Presentation of the modifications

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

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

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

Table 1: Example Change Table

TTCN object	*tc_8_3_11_4*
Reference ATS	***IR_U_wk51.mp [2]***
Change Label	*WA#2G3RRC0110*
Reason for change	*<Textual description of change reason>.*
Summary of change	*<Textual description of performed changes>*
Other affected objects	*<GOTO fields to other change descriptions>* (optional)
ETSI comment	
R&S conclusion	

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

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

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

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

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

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

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

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

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

4.3 Modifications inside the tc_8_3_11_4 behaviour table

4.3.1 tc_8_3_11_4

TTCN object	tc_8_3_11_4
Reference ATS	IR_U_wk51.mp [2]
Change Label	WA#2G3RRC0500
Reason for change	The cellupdate confirm message in step 9 (lt_SubTest) is not conforming to the test prose. It is also not internally consistent and correct (element 'default dpch frame offset' and actual 'dpch frame offset' do not conform to the requirements of 3GPP TS 25.331). Moreover the Secondary Scrambling Code is 1 (tsc_DL_DPCH1_2ndScrC) and not 2 as required in the prose.
Summary of change	In step 9 (lt_SubTest), cas_RRC_CellUpdateCnf, replace the actual parameters for dl_CommonInformation and dl_InformationPerRL_List by new constraints c_DL_CommonInformation_83114 and c_DL_InformationPerRL_8_3_11_4. Note: It is left to MCC160 whether a new constant is defined and used for Secondary Scrambling Code value 2.
Other affected objects	c_DL_CommonInformation_83114 , c_DL_InformationPerRL_8_3_11_4
ETSI comment	
Change Label	WA#2G3RRC0502
Reason for change	A delay is needed after the transmission of the CellUpdateConf message, to be sure that this message is has been completely transmitted to the UE before the reconfiguration is initiated in the SS.
Summary of change	In lt_SubTest insert a delay of 50 ms after step 9.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0503
Reason for change	In lt_SubTest the RLC size is not reconfigured before reconfiguring from FACH to DCH.
Summary of change	Insert new line +ts_CRLC_ReconfRLC_Size(FALSE) after step 9.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0504
Reason for change	In lt_SubTest line +ts_CMAC_New_RNTI_Reconf (FALSE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI) is added AFTER reconfiguring from FACH to DCH.
Summary of change	Remove this line. Note: The 'New_RNTI_Reconf' is functionally replaced by WA#2G3RRC0503.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0512
Reason for change	The reconfiguration FACH_TO_DCH in step 10 of tc_8_3_11_4 is not consistent with the DL_DPCH_Info sent in the CellUpdateConfirm message.
Summary of change	Define new test steps ts_SS_ReconfFACH_ToDCH_PS_83114 and ts_SS_ConfigFACH_ToDCH_PS_83114 and apply ts_SS_ReconfFACH_ToDCH_PS_83114 in step 10 of tc_8_3_11_4 instead of ts_SS_ReconfFACH_ToDCH_CS_PS.
Other affected objects	ts_SS_ConfigFACH_ToDCH_PS_83114 , ts_SS_ReconfFACH_ToDCH_PS_83114
ETSI comment	
Change Label	WA#2G3RRC0521
Reason for change	To allow the AM signalling for Activate PDP Context procedure to complete before the UE receives the Cell Change Order from UTRAN message, a delay is necessary.
Summary of change	In lt_LocalTest add a delay before lt_SubTest, to enable the completion of the Activate PDP Context procedure in the UE.
Other affected objects	
ETSI comment	

R&S conclusion	

Test Case

Test Case Id:	tc_8_3_11_4
Test Group Reference:	CellChangeOrderUTRAN_ToGSM/
Purpose:	To verify that when UE received CELL CHANGE ORDER FROM UTRAN message in CELL_DCH state and if the establishment of the connection to the other RAT failed due to other reasons e.g. (random) access failure, rejection due to lack of resources: a. revert back to the UTRA configuration; b. if the UE does not succeed in establishing the UTRA physical channel(s): perform a cell update procedure with cause "Radio link failure"; c. when the cell update procedure is completed successfully, it transmits the CELL CHANGE ORDER FROM UTRAN FAILURE message and set the IE "Inter-RAT change failure" to "physical channel failure".
Configuration:	
Defaults:	IntersystemGPRS
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	V...	Comments
1		START t_Guard			
...					
lt_LocalTest					
15		+ts_AT_InitConnection (tsc_CellA)			
16		+ ts_RRC_ConnEstPS_MO_P5_P6 (tsc_CellA)			
17		+ ts_RRC_NAS_SessionActPS_MO_P9_P10 (tsc_CellA)			
18		+ ts_RRC_RAB_EstPS_MO_P13_P14 (tsc_CellA)			
19		+ts_RRC_Delay (2000)			WA#2G3RRC0521
20		+lt_SubTest			
...					
lt_SubTest					
27		AM ! RLC_AM_DATA_REQ	cas_CellChangeOrderFromUTRANCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_CellChangeOrderFromUTRAN_GSM (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, c_InterRAT_TargetCellDescription(c_BSIC(o_OctToInt(o_BitToOct(tcv_G_CellConfigInfo.ncc)), o_OctToInt(o_BitToOct(tcv_G_CellConfigInfo.bcc))), tcv_G_CellConfigInfo.bandIndicatorAsn1, o_OctToInt(o_BitToOct(tcv_G_CellConfigInfo.bCCH_Freq)), OMIT)))		Send the Cell Change Order From UTRAN
28		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated , tsc_RB2, tsc_Mui)		
29		+ts_SS_ReconfDCH_ToFACH_CS_PS (tsc_CellA)			Step 7 SS removes the DPCH allocated to the mobile.
30		+ts_Send_ImmediateAssignmentReject(tsc_GSM_CellA)			step 6 SS sends Immediate Assignment Reject
31		+ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI , radioLinkFailure) ,tsc_CellUpdateTimer)			step 8
32		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, OMIT)			
33		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfDCCH_FreqInfo (tcv_CellIndInfo.dl_IntegrityCheckInfo,tcv_RRC_Ti, tcv_CellInfoA.uRNTI, OMIT, cell_DCH,tcv_CellInfoA.frequencyInfo, ul_DPCH_Info : (cb_UL_DPCH_Info(tsc_UL_DPDCH_SF_64k_PS , pl0_96 , tcv_CellInfoA.ul_ScramblingCode)), c_DL_CommonInformation_83114(tsc_DL_DPCH1_SFP_64k_PS), c_DL_InformationPerRL_8_3_11_4 (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_64k_PS, 2)))		step 9 WA#2G3RRC0500
34		+ts_RRC_Delay (50)			WA#2G3RRC0502
35		+ts_CRLC_ReconfRLC_Size (FALSE)			WA#2G3RRC0503
36		+ts_SS_ReconfFACH_ToDCH_PS_83114(tsc_CellA, OMIT)			step 10 Configure the dedicated physical channel WA#2G3RRC0504 WA#2G3RRC0512
37		+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA,tcv_RRC_RAB_Type)			step 11
...					

4.4 Other modifications relevant for tc_8_3_11_4

4.4.1 c_DL_CommonInformation_83114

TTCN object	c_DL_CommonInformation_83114
Reference ATS	New
Change Label	WA#2G3RRC0500
Reason for change	The cellupdate confirm message in step 9 (lt_SubTest) requires DL Common information, although this is not indicated in the test prose (see 34.123-1 8.3.11.4.4, specific message contents). The reason is that the DL information per RL sets the DPCH frame offset to 0 and 3GPP TS 25.331 requires in subclause 8.6.6.14 that UTRAN should observe a relation between the 'DPCH frame offset' and the 'default DPCH frame offset', which is provided in the DL common information. The original constraint c_DL_CommonInformationRB_SetUp_8244 however is not appropriate, since it specifies 'cfnHandling = maintain', which is not consistent with the subsequent local configuration of the SS ('cfnHandling = initialise').
Summary of change	Define new constraint c_DL_CommonInformation_83114 and pass it as a parameter to cas_RRC_CellUpdateCnf in step 9 of tc_8_3_11_4, instead of c_DL_CommonInformationRB_SetUp_8244.
Other affected objects	tc_8_3_11_4 , c_DL_InformationPerRL_8_3_11_4
ETSI comment	
R&S conclusion	

ASN.1 Type Constraint Declaration

Constraint Name:	c_DL_CommonInformation_83114 (p_Sf: SF512_AndPilot)
Group:	
Type Name:	DL_CommonInformation
Derivation Path:	
Encoding Variation:	
Comments:	DL_CommonInformation specific for tc_8_3_11_4 WA#2G3RRC0500

Constraint Value

```
{
 dl_DPCH_InfoCommon{
  cfnHandling initialise : {
   cfntargetsfnframeoffset OMIT
  },
  modeSpecificInfo fdd:{
   dl_DPCH_PowerControlInfo {
    modeSpecificInfo fdd:{
     dpc_Mode singleTPC
    }
   },
   powerOffsetPilot_pdpdch tsc_DPCH_PowerOffsetPILOT,
   dl_rate_matching_restriction OMIT,
   spreadingFactorAndPilot p_Sf,
   positionFixedOrFlexible flexible,
   tfci_Existence TRUE
  }
 },
 modeSpecificInfo fdd:{
  defaultDPCH_OffsetValue 0,
  dpch_CompressedModeInfo OMIT,
  tx_DiversityMode noDiversity,
  ssdt_Information OMIT
 }
}
```

4.4.2 c_DL_InformationPerRL_8_3_11_4

TTCN object	c_DL_InformationPerRL_8_3_11_4
Reference ATS	New
Change Label	WA#2G3RRC0500
Reason for change	The existing constraint for dl_InformationPerRL_List does not satisfy the prose requirements for tc_8_3_11_4 (the 'DPCH frame offset' is not 0).
Summary of change	Define new constraint c_DL_InformationPerRL_8_3_11_4, and pass it as actual parameter to cas_RRC_CellUpdateCnf in lt_SubTest of tc_8_3_11_4, instead of c_DL_InformationPerRL.
Other affected objects	tc_8_3_11_4 , c_DL_CommonInformation_83114
ETSI comment	
R&S conclusion	

ASN.1 Type Constraint Declaration

Constraint Name:	c_DL_InformationPerRL_8_3_11_4 (p_ScrmbCode: PrimaryScramblingCode; p_Sf: SF512_AndCodeNumber; p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variation:	
Comments:	WA#2G3RRC0500

Constraint Value

```
{{
  modeSpecificInfo fdd :{
    primaryCPICH_Info { primaryScramblingCode p_ScrmbCode },
    pdsch_SHO_DCH_info OMIT,
    pdsch_CodeMapping OMIT
  },
  dl_DPCH_InfoPerRL fdd : {
    pCPICH_UsageForChannelEst mayBeUsed,
    dpch_FrameOffset (0),
    -- 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 OMIT
    }},
    tpc_CombinationIndex tsc_TPC_CombinationIndex,
    ssdt_CellIdentity OMIT,
    closedLoopTimingAdjMode OMIT
  },
  sccpch_InfoforFACH OMIT
}}
```

4.4.3 c_SI2quaterMeasParams3G_ISHO

TTCN object	c_SI2quaterMeasParams3G_ISHO
Reference ATS	IR_U_wk51.mp [2]
Change Label	WA#2G3RRC0470
Reason for change	This constraint is also used in TC 60.4, where the UE is required to make measurements on the other system, but the parameter fDD_MULTIRAT_REPORTING in the SI2quater is set to '00'B.
Summary of change	In constraint c_SI2quaterMeasParams3G_ISHO set fDD_MULTIRAT_REPORTING = '01'B. Note: It is left to MCC160 to decide whether a new constraint is used for tc_60_4 or c_SI2quaterMeasParams3G_ISHO is modified as required here.
Other affected objects	
ETSI comment	
R&S conclusion	

Structured Type Constraint Declaration

Constraint Name:	c_SI2quaterMeasParams3G_ISHO
Group:	
Type Name:	SI2quaterRO_MeasParamDescr3G
Derivation Path:	
Encoding Variation:	
Comments:	

Element Name	Element Value	Type Encoding	Comments
qsearsh_I	'0111'B		
qsearch_C_initial	'0'B		
fDDMask	'1'B		
fDD_Qoffset	'1000'B		not present if fDDMask = 0
fDD_REP_QUANT	'0'B		not present if fDDMask = 0
fDD_MULTIRAT_REPORTING	'01'B		not present if fDDMask = 0 WA#2G3RRC0470
fDD_Qmin	'000'B		not present if fDDMask = 0
tDDMask	'0'B		
tDD_Qoffset	-		not present if fDDMask = 0
tDD_MULTIRAT_REPORTING	-		not present if fDDMask = 0

4.4.4 IntersystemDef

TTCN object	IntersystemDef
Reference ATS	IR_U_wk51.mp [2]
Change Label	WA#2G3RRC0483
Reason for change	The Suspension Message is optional under certain circumstances and happens to be actually received, while it is not recognized in the actual test step or test case.
Summary of change	The Suspension Message is recognized in the default.
Other affected objects	
ETSI comment	
R&S conclusion	

Default

Default Id:	IntersystemDef
Default Group Ref:	InterSystem'
Objective:	
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	V...	Comments
1	DFF1	CRLC?CRLC_Integrity_Failure_IND	car_CRLC_IntegrityFail	(F)	
2		RETURN			

...

32		G_L2 ? G_L2_DATA_IND CANCEL t_Wait8	cr_G_L2_DATA_IND (tsc_GSM_CellA, 0, ?, ?, ?, ?, cr_GPRS_SUSPENSIONREQ(?,?,?))		to Receive Suspension Msg WA#2G3RRC0483
33		RETURN			WA#2G3RRC0483

4.4.5 ts_Send_ImmediateAssignmentReject

TTCN object	ts_Send_ImmediateAssignmentReject
Reference ATS	IR_U_wk51.mp [2]
Change Label	WA#2G3RRC0453
Reason for change	A field of metatype PDU is received by a wildcard '?'. Subsequently the received value is assigned to a TC Variable. Because a TTCN compiler cannot be aware of the data type of the field at reception it will not correctly handle the subsequent assignment.
Summary of change	In line 1 in constraint for reception of G_L2_ACCESS_IND replace last '?' by cr_ChanReqOnePhase.
Other affected objects	
ETSI comment	
R&S conclusion	

Test Step

Test Step Id:	ts_Send_ImmediateAssignmentReject(p_CellId : CellId)
Test Step Group Ref:	GPRS_Specific/
Objective:	
Defaults:	IntersystemDef
Comments:	

..	Label	Behaviour Description	Constraint Ref	..	Comments
1		START t_CampResponseTimer(30)			Start 33 secs timer for camping.
2		G_L2 ? G_L2_ACCESS_IND (tcv_RR_RFN := G_L2_ACCESS_IND.rfn , tcv_ChRequest := G_L2_ACCESS_IND.burst) CANCEL t_CampResponseTimer	cabr_G_L2_ACCESS_IND (p_CellId , tsc_PhyCh0 , 1 , ? , ? , cr_ChanReqOnePhase)		Receive CHANNEL REQUEST message WA#2G3RRC0453
3		(tcv_RR_RA = BIT_TO_INT (tcv_ChRequest.estCauRandomRef))			
4		G_L2 ! G_L2_UNITDATA_REQ	cas_G_L2_UNITDATA_REQ (p_CellId, tsc_PhyCh0, tsc_AGCH, 15, c_G_RFN_Omit, cs_ImmediateAssignmentReject(tcv_RR_RA , tcv_RR_RFN , '00'H, (tcv_RR_RA +1)))		Send immediate assignment reject message
5	TSF1	G_L2 ? OTHERWISE CANCEL t_CampResponseTimer		(F)	

4.4.6 ts_SS_ConfigFACH_ToDCH_PS_83114

TTCN object	ts_SS_ConfigFACH_ToDCH_PS_83114
Reference ATS	New
Change Label	WA#2G3RRC0512
Reason for change	The reconfiguration FACH_TO_DCH in step 10 of tc_8_3_11_4 is not consistent with the DL_DPCH_Info sent in the CellUpdateConfirm message.
Summary of change	Define new test step ts_SS_ConfigFACH_ToDCH_PS_83114 and apply it in ts_SS_ReconfFACH_ToDCH_PS_83114.
Other affected objects	tc_8_3_11_4 , ts_SS_ReconfFACH_ToDCH_PS_83114
ETSI comment	
R&S conclusion	

Test Step

Test Step Id:	ts_SS_ConfigFACH_ToDCH_PS_83114 (p_CellId:INTEGER)
Test Step Group Ref:	RRCM_SS_Steps/
Objective:	To Configure Physical channel DPCH1 and connect DCH5 to the physical channel, then SRBs in SS. Initially the SS was in CELL_FACH configuration. The DL DL_DPCHInfo is selected to fit to the CellUpdateConfirm message of tc_8_3_11_4.
Defaults:	SS_Def
Comments:	WA#2G3RRC0512

Nr	...	Behaviour Description	Constraint Ref	...	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		CPHY!CPHY_RL_Setup_REQ	ca_DL_DPCH_Info (p_CellId , tsc_DL_DPCH1, cb_DL_DPCH_64K_PS_83114 (c_DL_CommonInformation_83114 (tsc_DL_DPCH1_SFP_64k_PS), 2))		WA#2G3RRC0512
3		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId , tsc_DL_DPCH1)		
4		CPHY!CPHY_TrCH_Config_REQ	ca_TrChCfgInfo (p_CellId , tsc_DL_DPCH1, c_TrChConfigTypeDCH_NoSHO,c_DCH_336_148_DL_InfoActNow)		
5		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId , tsc_DL_DPCH1)		
6		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_DL_DPCH1, c_UE_Info(OMIT, OMIT), cb_TrChInfoDL_336_148, cb_TrLogMappingDL_4DCCH_1DTCH_PS)		4. U-RNTI and C-RNTI are not needed on DPCH
7		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_DL_DPCH1)		
8		CPHY!CPHY_RL_Setup_REQ	ca_UL_DPCH_Info (p_CellId , tsc_UL_DPCH1, cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS, pl0_96, tcv_TmpCellInfo.uL_ScramblingCode))		
9		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId , tsc_UL_DPCH1)		
10		CPHY!CPHY_TrCH_Config_REQ	ca_TrChCfgInfo (p_CellId , tsc_UL_DPCH1, c_TrChConfigTypeDCH_NoSHO,c_DCH_336_148_UL_InfoActNow)		
11		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId , tsc_UL_DPCH1)		
12		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_UL_DPCH1, c_UE_Info(OMIT, OMIT), cb_TrChInfoUL_336_148, cb_TrLogMappingUL_4DCCH_1DTCH_PS)		4. U-RNTI and C-RNTI are not needed on DPCH
13		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_UL_DPCH1)		

4.4.7 ts_SS_ReconfFACH_ToDCH_PS_83114

TTCN object	ts_SS_ReconfFACH_ToDCH_PS_83114
Reference ATS	New
Change Label	WA#2G3RRC0512
Reason for change	The reconfiguration FACH_TO_DCH in step 10 of tc_8_3_11_4 is not consistent with the DL_DPCH_Info sent in the CellUpdateConfirm message.
Summary of change	Define new test step ts_SS_ReconfFACH_ToDCH_PS_83114 and apply it in step 10 of tc_8_3_11_4 instead of ts_SS_ReconfFACH_ToDCH_CS_PS.
Other affected objects	tc_8_3_11_4 , ts_SS_ConfigFACH_ToDCH_PS_83114
ETSI comment	
R&S conclusion	

Test Step

Test Step Id:	ts_SS_ReconfFACH_ToDCH_PS_83114 (p_CellId : INTEGER; p_C_RNTI : BIT8TRING)
Test Step Group Ref:	RRCM_SS_Steps/
Objective:	To reconfigure SS from CELL_FACH to CELL_DCH state: 1▸ reconfigure CMAC : CMAC-reconfig (cellId) 2▸ create DPCH: CPHY-RL-Setup (cellId), CPHY-TrCh-config (cellId), CMAC-config (cell-1)
Defaults:	SS_Def
Comments:	WA#2G3RRC0512

...	...	Behaviour Description	Constraint Ref	...	Comments
1		+ts_SetTmpCellInfo (p_CellId)			
2		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_S_CCPCH1, c_UE_Info (OMIT, p_C_RNTI), c_TrChInfoPCH_FACH, c_TrLogMappingPCH_FACH_CellDCH)		map PCCH to PCH + Map CCCH to FACH
3		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId, tsc_S_CCPCH1)		
4		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow(p_CellId, tsc_PRACH1, c_UE_Info (OMIT, p_C_RNTI), cb_TrChInfoRACH1, cb_TrLogMappingRACH2)		mapping CCCH to RACH
5		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId, tsc_PRACH1)		
6		+ts_SS_ConfigFACH_ToDCH_PS_83114 (p_CellId)			

4.5 Changes referred to from previous CRs

N/A.

5 Branches executed in test case 8.3.11.4

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

6 Supplementary information

6.1 ATS

The TTCN ATS containing modified test case tc_8_3_11_4 is IR_U_8_3_11_4.mp.

6.2 Nokia 3G UE 6630 log files

The Nokia 3G UE 6630 passed this test case in Combined Attach (CSPS) mode, automatic attach switched on, on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G, for the 900 MHz band. The documentation below is enclosed as evidence of the successful test case run (see T1s050002.zip [1]):

a) **Execution log files 8-3-11-4-Nokia-CSPS-AAON-900-PASS-html-logs\Index.html**
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch, automatic attach switched on, executed for the 900 MHz band, in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

b) **PICS/PIXIT file TC_8_3_11_4_Nokia_CSPS_AutoAttachOn_900_Pics_Pixit.txt**
Text file containing all PICS/PIXIT parameters used for a).

7 References

[1]	T1s050002.zip Archive comprising the TTCN MP file for the current CR (supplementary information).
[2]	IR_U_wk51.mp ETSI InterRat UTRAN ATS, version week 51 (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#2G3RRC0453	ts_Send_ImmediateAssignmentReject	IR_U_wk51.mp [2]
WA#2G3RRC0470	c_SI2quaterMeasParams3G_ISHO	IR_U_wk51.mp [2]
WA#2G3RRC0483	IntersystemDef	IR_U_wk51.mp [2]
WA#2G3RRC0500	tc_8_3_11_4	IR_U_wk51.mp [2]
WA#2G3RRC0500	c_DL_InformationPerRL_8_3_11_4	New
WA#2G3RRC0500	c_DL_CommonInformation_83114	New
WA#2G3RRC0502	tc_8_3_11_4	IR_U_wk51.mp [2]
WA#2G3RRC0503	tc_8_3_11_4	IR_U_wk51.mp [2]
WA#2G3RRC0504	tc_8_3_11_4	IR_U_wk51.mp [2]
WA#2G3RRC0512	tc_8_3_11_4	IR_U_wk51.mp [2]
WA#2G3RRC0512	ts_SS_ConfigFACH_ToDCH_PS_83114	New
WA#2G3RRC0512	ts_SS_ReconfFACH_ToDCH_PS_83114	New
WA#2G3RRC0521	tc_8_3_11_4	IR_U_wk51.mp [2]

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1199** ⌘ **rev** ⌘ Current version: **3.8.0** ⌘

*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 P4 test case 8.1.3.9 to RRC ATS V3.8.0 (Revision of CR – T1s040799)
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	14/01/2005
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 RRC test case 8.1.3.9 to the approved RRC ATS V3.8.0
Summary of change:	⌘	This document lists all changes applied to test case 8.1.3.9 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:	⌘	**Y**	**N**		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

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

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

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

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

3GPP TSG-T1 E-Mail 2005 ***T1s050006***
01 Jan - 31 Dec 2005

Title: **Changes to test case 8.1.3.9 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 8.1.3.9 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_8_1_3_9
Test Group:	RRC/RRC_ConnRelease
ATS Version:	iWD-TVB2003-03_D04wk47 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 6630
Verification Status:	PASS

4 Corrections required for test case 8.1.3.9

4.1 Introduction

This section describes the changes required to make test case 8.1.3.9 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_wk47.mp which is part of the iWD-TVB2003-03_D04wk47 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

4.2 lt_TestBody : ts_CalculateActTime (WA#RRC4722)

Test step name	lt_TestBody : ts_CalculateActTime
Reason for change	The activation time to be used in +ts_SS_ReleaseDCH_ToDCH has not been calculated.
Summary of change	Added +ts_CalculateActTime in line 25 of the testcase inside lt_TestBody
Source of change	New change
Label	WA#RRC4722

22		+ lt_AuhenticationFailure			Steps 4 and 5
23		+ts_RRC_Delay (15000)			Step 5, wait for T3326 or T332 0 timers 15 seconds
24		+ts_SHO_ReleaseDL_DPCH (tsc_CellB)			Remove DL DPCH on cell B
25		+ ts_CalculateActTime (tsc_CellA)			WA#RRC4722
26		+lt_BringCell_A_ToInitState			

lt_BringCell_A_ToInitState					
45		[tcv_RRC_RAB_Type = cell_DCH_Speech]			
46		+ts_SS_ReleaseDCH_ToDCH_CS_Speech (tsc_CellA,tcv_ActTime)			
47		[(tcv_RRC_RAB_Type = cell_DCH_64kCS_RAB_SRB) OR (tcv_RRC_RAB_Type = cell_DCH_57_6kCS_RAB_SRB)]			
48		+ts_SS_ReleaseDCH_ToDCH (tsc_CellA,tsc_RB10,tcv_ActTime)			
49		[tcv_RRC_RAB_Type = cell_DCH_64kPS_RAB_SRB]			
50		+ts_SS_ReleaseDCH_ToDCH (tsc_CellA, tsc_RB20,tcv_ActTime)			
51	TBI	[TRUE]		I	

4.3 lt_TestBody (WA#RRC4723)

Test step name	lt_TestBody
Reason for change	The status of cell configuration is not updated after releasing radio bearer in +ts_SS_ReleaseDCH_ToDCH_CS_Speech and +ts_SS_ReleaseDCH_ToDCH inside +lt_BringCell_A_ToInitState
Summary of change	Added (tcv_CellInfoA.cellConfig := cell_DCH_StandAloneSRB_NoConn) in line 27 of the testcase inside lt_TestBody
Source of change	New change
Label	WA#RRC4723

24		+ts_SHO_ReleaseDL_DPCH (tsc_CellB)			Remove DL DPCH on cell B
25		+ ts_CalculateActTime (tsc_CellA)			WA#RRC4722
26		+lt_BringCell_A_ToInitState			
27		(tcv_CellInfoA.cellConfig := cell_DCH_StandAloneSRB_NoConn)			WA#RRC4723

lt_BringCell_A_ToInitState					
45		[tcv_RRC_RAB_Type = cell_DCH_Speech]			
46		+ts_SS_ReleaseDCH_ToDCH_CS_Speech (tsc_CellA,tcv_ActTime)			
47		[(tcv_RRC_RAB_Type = cell_DCH_64kCS_RAB_SRB) OR (tcv_RRC_RAB_Type = cell_DCH_57_6kCS_RAB_SRB)]			
48		+ts_SS_ReleaseDCH_ToDCH (tsc_CellA,tsc_RB10,tcv_ActTime)			
49		[tcv_RRC_RAB_Type = cell_DCH_64kPS_RAB_SRB]			
50		+ts_SS_ReleaseDCH_ToDCH (tsc_CellA, tsc_RB20,tcv_ActTime)			
51	TBI	[TRUE]		I	

4.4 lt_TestBody : ts_CRLC_RelReconfSRB (WA#RRC4726)

Test step name	ts_CRLC_RelReconfSRB
Reason for change	The sequence number in RLC need to be reset on SS side after reconfiguration of signalling radio bearers
Summary of change	Added +ts_CRLC_RelReconfSRB at line 28 of the testcase inside lt_TestBody
Source of change	New change
Label	WA#RRC4726

28		+ ts_CRLC_RelReconfSRB (tsc_CellA)			WA#RRC4726
29		+ts_RRC_Delay (5000)			Step 6, wait for 5 seconds
30		+ lt_CheckUE_CampOnCell_C			steps 7 to 9
31		+ts_RRC_Delay (1320000)			step 10 wait 22 minutes
32		+ ts_C1_CheckIdleMode (tsc_CellA)			step 11

4.5 tc_8_1_3_9 (WA#RRC4727)

Test step name	tc_8_1_3_9
Reason for change	Teststep +ts_SHO_ReleaseDL_DPCH (tsc_CellB) to remove DL DPCH for cell B is called twice
Summary of change	Deleted +ts_SHO_ReleaseDL_DPCH (tsc_CellB) from line 10 in the testcase
Source of change	New change
Label	WA#RRC4727

4.6 lt_ReceiveMeasurementReportCellB_e1a (WA#RRC4728)

Test step name	tc_8_1_3_9
Test step name	lt_ReceiveMeasurementReportCellB_e1a
Reason for change	To use the value of Tm for Cell B received in the Measurement Report for DPCH frame offset calculation in the Active Set Update message
Summary of change	Used dot notation on the received ASP to store the value of Tm
Source of change	New change
Label	WA#RRC4728

lt_ReceiveMeasurementReportCellB_e1a					
35	TBPS1	AM ? RLC_AM_DATA_IND (tcv_Tm := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport. measuredResults.intraFreqMeasuredResultsList.[0].cellSynchronisationInfo.modeSpecificInfo.fdd.tm) CANCEL t_WaitMS	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_108_MeasReportIntraFreqPeriodic3cell_e1a (1, tcv_CellInfoA.priScrmCode, OMIT, tcv_CellInfoB.priScrmCode,c_CellSynchronisationInformation, tcv_CellInfoC.priScrmCode, c_CellSynchronisationInformation, tcv_CellInfoB.priScrmCode))	(P)	WA#RRC4728
36	TBF1	? TIMEOUT t_WaitMS		(F)	Wait for 13 secs

5 Branches executed in test case 8.1.3.9

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

6 Execution Log Files

6.1 Nokia 6630 3G UE

The Nokia 6630 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_1_3_9_PS_Logs-Nokia\Index.html**
- **Execution log files 8_1_3_9_CS_Logs-Nokia\Index.html**
  These execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 8_1_3_9_PS-pics-pixit-Nokia.html**
- **PICS/PIXIT file 8_1_3_9_CS-pics-pixit-Nokia.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS and CS mode

7 References

[1] **T1s050007**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

Tdoc ⌘T1s040798

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1200 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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 P4 test case 8.3.7.12 to IR_U ATS v3.8.0 (Revision of T1s040775)
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	17/12/04
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 IR_U test case 8.3.7.12 to the approved IR_U ATS V3.8.0 Note: The changed mentioned in this document are same as the changes mentioned in T1s040775. In wk51 TTCN these changes are implemented incorrectly.
Summary of change:	⌘	This document lists all changes applied to test case 8.3.7.12 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	

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

Other comments:	⌘	

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

3GPP TSG-T1 E-Mail 2004 **T1s040798**
01 Jan - 31 Dec 2004

Title: **Changes to test case 8.3.7.12 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case case 8.3.7.12, which are part of the IR_U test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_3_7_12

Test Group: IR_U/ISHO_UTRAN_ToGSM

ATS Version: iWD-TVB2003-03_D04wk51 + essential modifications

System Simulator used: **Anite MultiRAT CT**

UE used: Nokia 6630

Verification Status: PASS

4 Corrections required for test case 8.3.7.12

4.1 Introduction

This section describes the changes required to make test case 8.3.7.12 run correctly with a 3G UE. The ATS version used as basis was IR_U_wk51.mp, which is part of the iWD-TVB2003-03_D04wk51 release.

4.2 Change 1

Local Tree and Test step	lt_SubTest
Reason for change	1) After Handover Command message reconfigure 3G from DCH to FACH before receive GSM Handover access burst and reduce the GSM cell power level. This is required to ensure that 3G DPCH are released before UE tries to recover the old UTRAN connection. Failure to do so UE might be able to revert back to the old UTRAN configuration and gain sync with the UTRAN and transmit Handover Failure before lose sync again and cause the Cell Update procedure to be triggered from this (instead of from failure to revert back to old 3G configuration) and Handover Failure will then be received before Physical Channel Reconfiguration message. 2) In test step ts_SS_ReconfigSpeechToFACH both UL and DL mapping for DCH to DCCH is released before mapping for DCH to FACH is given. We feel that when both UL and DL mapping is released at that time there is no mapping for the RLC entity so we suggest to use the following sequence instead: - release DL DCH to DCCH mapping - configure DL DCH to FACH - release UL DCH to DCCH mapping - configure UL DCH to FACH The above sequence is also used in all RRC test cases. The new test step ts_SS_ReconfDCH_ToFACH_CS_8_3_7_12 uses the above sequence. 3) After configure from cell FACH to DCH set the cell state to cell_DCH_Speech state this is required to ensure the cell is in the correct state when doing RRC connection release at postamble.
Summary of change	1) After Handover Command message add RRC delay to ensure the Handover command message reaches to UE and then call the new test step ts_SS_ReconfDCH_ToFACH_CS_8_3_7_12 to reconfigure DCH to FACH. 2) Use test step ts_SS_ReconfDCH_ToFACH_CS_8_3_7_12 instead of ts_SS_ReconfigSpeechToFACH. 3) Set cell state to cell_DCH_Speech state after test step ts_CRLC_ReconfRLC_Size
Source of change	New change.

Before:

It_SubTest				
34		AM ! RLC_HandoverReq	cabs_RLC_HandoverReq(tsc_CellDedicated, tsc_RB2, cs_G_HandoverFromUTRAN_CommandGSM (o_HO_PER_Encoding(cbs_InterSystemHandoverToGSM (tcv_CellIndInfo.dl_IntegrityCheckInfo, cb_HandoverFromUTRANCommand_GSM (tcv_RRC_Ti , c_RAB_Info, tcv_FreqBand))) , o_TTCN_HO_CommandToBitstring (tcv_GSM_HO_Cmd)))	
35		G_L2 ?G_L2_ACCESS_IND	cabr_G_L2_ACCESS_IND(tsc_GSM_CellA ,tsc_G_TrchId1 ,9,15 ,?,?)	
36		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_G_TrchId 1, tsc_ChPwrLvl_Low)		
37		+ts_SS_ReconfigSpeechToFACH (tsc_CellA)		
38	TSP1	+ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI , radiolinkFailure) , 5000)		
39		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, OMIT)		
40		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellA, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo,tcv_RRC_Ti, tcv_CellInfoA.uRNTI, OMIT, cell_DCH, c_UL_ChReqDPCH_InfoDCH_Speech (tcv_CellInfoA.uL_ScramblingCode), cd_DL_CommonInformationDCH_DPCH_Offset (tsc_DL_DPCH1_SFP_Speech), c_DL_InfoPerRL_DPCH_Offset(tcv_CellInfoA.priScrmCode, tsc_SecScrmbCode_2, tsc_Sfc128)))	
41		+ts_RRC_Delay(200)		
42		+ts_SS_ReconfigFACH_ToSpeech (tsc_CellA)		
43		+ts_CRLC_ReconfRLC_Size(FALSE)		
44		+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA,tcv_RRC_RAB_Type)		
45	TBP1	AM ?RLC_AM_DATA_IND	car_InterSystemHandoverFailure (tsc_CellDedicated, tsc_RB2, cbr_InterSystemHandoverFailure (tcv_RRC_Ti , physicalChannelFailure : NULL))	(P)

After:

It_SubTest				
34		AM ! RLC_HandoverReq	cabs_RLC_HandoverReq(tsc_CellDedicated, tsc_RB2, cs_G_HandoverFromUTRAN_CommandGSM (o_HO_PER_Encoding(cbs_InterSystemHandoverToGSM (tcv_CellIndInfo.dl_IntegrityCheckInfo, cb_HandoverFromUTRANCommand_GSM (tcv_RRC_Ti , c_RAB_Info, tcv_FreqBand))) , o_TTCN_HO_CommandToBitstring (tcv_GSM_HO_Cmd)))	
35		+ts_RRC_Delay(150)		
36		+ts_SS_ReconfDCH_ToFACH_CS_8_3_7_12(tsc_CellA)		
37		G_L2 ?G_L2_ACCESS_IND	cabr_G_L2_ACCESS_IND(tsc_GSM_CellA ,tsc_G_TrchId1 ,9,15 ,?,?)	
38		+ts_GSM_SetCellPowerLevel2Ch(tsc_GSM_CellA, tsc_PhyCh0 , tsc_G_TrchId1, tsc_ChPwrLvl_Low)		
39	TSP1	+ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI , radiolinkFailure) , 5000)		
40		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, OMIT)		

41		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellA, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheck Info,tcv_RRC_Ti, tcv_CellInfoA.uRNTI, OMIT, cell_DCH, c_UL_ChReqDPCH_InfoDCH_S peech (tcv_CellInfoA.uL_Scram blingCode), cd_DL_CommonInformationDC H_DPCH_Offset (tsc_DL_DPC H1_SFP_Speech), c_DL_InfoPerRL_DPCH_Offset(tcv_CellInfoA.priScrmCode, tsc_SecScrmbCode_2, tsc_Sfc1 28)))	
42		+ts_RRC_Delay(200)		
43		+ts_SS_ReconfigFACH_ToSpeech (tsc_CellA)		
44		+ts_CRLC_ReconfRLC_Size(FALS E)		
45		(tcv_CellInfoA.cellConfig := cell_D CH_Speech)		
46		+ts_RRC_ReceivePhyChReconfC mpl (tsc_CellA,tcv_RRC_RAB_Type)		
47	TBP1	AM ?RLC_AM_DATA_IND	car_InterSystemHandoverFailur e (tsc_CellDedicated, tsc_RB2, cbr_InterSystemHando verFailure (tcv_RRC_Ti , physica lChannelFailure : NULL))	(P)

New test step:

Test Step	
Test Step Id:	ts_SS_ReconfDCH_ToFACH_CS_8_3_7_12 (p_CellId : INTEGER)
Test Step Group Ref:	UMTS_Specific/
Objective:	Switch SS configuration from CELL_DCH state to CELL_FACH state
Defaults:	SS_Def
Comments:	@sic OG 10/08/04 ER1932 sic@

Ind	Label	Behaviour Description	Constraint Ref	Verdict
0		+ts_SetTmpCellInfo (p_CellId)		
1		+ts_CRLC_Rel (tsc_CellDedicated, tsc_RB10)		
2		+ts_CRLC_Rel (tsc_CellDedicated, tsc_RB11)		
3		+ts_CRLC_Rel (tsc_CellDedicated, tsc_RB12)		
4		+ ts_CMAC_Rel (tsc_CellDedicated , tsc_DL_DPCH1)		
5		+ts_CPHY_TrChRelDCH_NoSHO (p_CellId, tsc_DL_DPCH1)		
6		+ts_SS_StopRL (p_CellId, tsc_DL_DPCH1)		
7		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_S_CCPCH1, c_UE_Info(tcv_TmpCellInfo.uRNTI, tcv_TmpCellInfo.cRNTI), c_TrChInfoPCH_FACH_PS, c_TrLogMappingPCH_FACH_PS)	
8		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(p_CellId, tsc_S_CCPCH1)	
9		+ ts_CMAC_Rel (tsc_CellDedicated , tsc_UL_DPCH1)		
10		+ ts_CPHY_TrChRelDCH_NoSHO (p_CellId, tsc_UL_DPCH1)		
11		+ ts_SS_StopRL (p_CellId, tsc_UL_DPCH1)		
12		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_PRACH1, c_UE_Info(tcv_TmpCellInfo.uRNTI, tcv_TmpCellInfo.cRNTI), cb_TrChInfoRACH1, c_TrLogMappingRACH_DTCH)	
13		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId, tsc_PRACH1)	
14		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)		
15		+ts_SS_RB20_AM_PS_Cfg (320)		
16		+ts_SetCellCfg (p_CellId, cell_FACH_PS)		

4.3 Change 2

Local Tree and Test step	ts_SS_ReconfigFACH_ToSpeech
Reason for change	1) Channelization code number is not as per 34.123-1 message specific content for Cell Update Confirm message. 2) “defaultDPCH_OffsetValue” used to configure at SS side is not as per 34.123-1 message specific content for Cell Update Confirm message. 3) The secondary scrambling code configured at SS side is not as per 34.123-1 message specific content for Cell Update Confirm message. 4) No Need to wait for RB Setup Complete message, as this message is expected from the UE.
Summary of change	1) At line 6 use new constraint cb_DL_DPCH_122_AMR_ChC_sf128_127 instead of cb_DL_DPCH_122_AMR 2) At line 6 use constraint cd_DL_CommonInformationDCH_DPCH_Offset instead of c_DL_CommonInformationRB_SetUpSpeech. 3) At line 6 use constant "tsc_SecScrmbCode_2" instead of

	"tcv_TmpCellInfo.dl_DPCH_2ndScrCode 4) Remove line 19 "ts_RRC_ReceiveRB_SetupCmpl"
Source of change	New change.

Before:

Test Step	
Test Step Id:	ts_SS_ReconfigFACH_ToSpeech (p_CellId:INTEGER)
Test Step Group Ref:	UMTS_Specific/
Objective:	To Configure the cell from cell FACH state to Cell_DCH_DTCH in speech
Defaults:	SS_Def
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict
1		+ ts_SetTmpCellInfo (p_CellId)		
2		+ts_CRLC_Rel(tsc_CellDedicated, tsc_RB20)		
3		+ts_CRLC_Rel(p_CellId, tsc_RB_BCCH_FACH)		
4		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_S_CCPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoPCH_FACH, c_TrLogMappingPCH_FACH_CellDCH)	
5		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId , tsc_S_CCPCH1)	
6		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_PRACH1, c_UE_Info (OMIT, OMIT), cb_TrChInfoRACH1, cb_TrLogMappingRACH2)	
7		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId, tsc_PRACH1)	
8		CPHY!CPHY_RL_Setup_REQ	ca_DL_DPCH_Info (p_CellId , tsc_DL_DPCH1, cb_DL_DPCH_122_AMR_ChC_sf128_127 (cd_DL_CommonInformationDCH_DPCH_Offset (tsc_DL_DPCH1_SFP_Speech), tsc_SecScrmbCode_2))	
9		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId , tsc_DL_DPCH1)	
10		CPHY!CPHY_TrCH_Config_REQ	ca_4DCH_DL_InfoActNow (p_CellId , tsc_DL_DPCH1,c_TrChConfigTypeDCH_NoSHO)	
11		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId , tsc_DL_DPCH1)	

12		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoDL_122_AMR, c_TrLogMappingDL_4DCCH_3DTCH)	
13		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_DL_DPCH1)	
14		CPHY!CPHY_RL_Setup_REQ	ca_UL_DPCH_Info (p_CellId , tsc_UL_DPCH1, cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84, tcv_TmpCellInfo.uL_ScramblingCode))	
15		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId , tsc_UL_DPCH1)	
16		CPHY!CPHY_TrCH_Config_REQ	ca_4DCH_UL_InfoActNow (p_CellId , tsc_UL_DPCH1,c_TrChConfigTypeDCH_NoSHO)	
17		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId , tsc_UL_DPCH1)	
18		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo (tsc_CellDedicated, tsc_UL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoUL_122_AMR, c_TrLogMappingUL_4DCCH_3DTCH)	
19		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_UL_DPCH1)	
20		+ts_SS_RB10_ToRB12_TM_Cfg		
21		+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId , cell_DCH_Speech)		

After:

Test Step	
Test Step Id:	ts_SS_ReconfigFACH_ToSpeech (p_CellId:INTEGER)
Test Step Group Ref:	RRCM_SS_Steps/
Objective:	To Configure the cell from cell FACH state to Cell_DCH_DTCH in speech
Defaults:	SS_Def
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict
1		+ ts_SetTmpCellInfo (p_CellId)		
2		+ts_CRLC_Rel(tsc_CellDedicated, tsc_RB20)		
3		+ts_CRLC_Rel(p_CellId, tsc_RB_BCCH_FACH)		
4		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_S_CCPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoPCH_FACH, c_TrLogMappingPCH_FACH_CellDCH)	
5		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId , tsc_S_CCPCH1)	
6		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_PRACH1, c_UE_Info (OMIT, OMIT), cb_TrChInfoRACH1, cb_TrLogMappingRACH2)	
7		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId, tsc_PRACH1)	
8		CPHY!CPHY_RL_Setup_REQ	ca_DL_DPCH_Info (p_CellId , tsc_DL_DPCH1, cb_DL_DPCH_122_AMR_ChC_sf128_127 (cd_DL_CommonInformationDCH_DPCH_Offset (tsc_DL_DPCH1_SFP_Speech), tsc_SecScrmbCode_2))	
9		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId , tsc_DL_DPCH1)	

10		CPHY!CPHY_TrCH_Config_REQ	ca_4DCH_DL_InfoActNow (p_CellId , tsc_DL_DPCH1,c_TrChConfigTypeDCH_NoSHO)	
11		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId , tsc_DL_DPCH1)	
12		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoDL_122_AMR, c_TrLogMappingDL_4DCCH_3DTCH)	
13		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_DL_DPCH1)	
14		CPHY!CPHY_RL_Setup_REQ	ca_UL_DPCH_Info (p_CellId , tsc_UL_DPCH1, cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84, tcv_TmpCellInfo.uL_ScramblingCode))	
15		CPHY?CPHY_RL_Setup_CNF	ca_RL_SetupCnf (p_CellId , tsc_UL_DPCH1)	
16		CPHY!CPHY_TrCH_Config_REQ	ca_4DCH_UL_InfoActNow (p_CellId , tsc_UL_DPCH1,c_TrChConfigTypeDCH_NoSHO)	
17		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf (p_CellId , tsc_UL_DPCH1)	
18		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo (tsc_CellDedicated, tsc_UL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoUL_122_AMR, c_TrLogMappingUL_4DCCH_3DTCH)	
19		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_UL_DPCH1)	
20		+ts_SS_RB10_ToRB12_TM_Cfg		

New Constarint:

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_DL_DPCH_122_AMR_ChC_sf128_127 (p_DL_CommonInformation : DL_CommonInformation; p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_DPCHInfo
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value

```
{
 dl_CommonInformation p_DL_CommonInformation,
 dl_DPCH_InfoPerRL fdd : {
  pCPICH_UsageForChannelEst mayBeUsed,
  dpch_FrameOffset (( (tsc_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 ,
  dl_ChannelisationCodeList { { secondaryScramblingCode p_SecondaryScramblingCode,
    sf_AndCodeNumber tsc_Sfc128
  } },
  tpc_CombinationIndex 0
 },
 powerOffsetOfTFCI_PO1 tsc_DPCH_PowerOffsetTFCI,
 powerOffsetOfTPC_PO2 tsc_DPCH_PowerOffsetTPC,
 powerOffsetOfPILOT_PO3 tsc_DPCH_PowerOffsetPILOT,
 dl_TxPower tsc_DL_TxPower_DPCH,
 dl_TxPowerMax 15,
 dl_TxPowerMin -35
}
```

5 Branches executed in test case 8.3.7.12

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 6630

The Nokia 6630 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] This archive comprises text format execution log file and the TTCN MP file.

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1201** ⌘ **rev** **-** ⌘ Current version: **3.8.0** ⌘

*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 Idlemode test case 6.1.2.9 to RRC ATS V3.7.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	03/12/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 Idlemode test case 6.1.2.9 to the approved RRC ATS V3.7.0
Summary of change:	⌘	This document lists all changes applied to test case 6.1.2.9 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:	⌘	**Y**	**N**		
			X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

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

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

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

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

Tdoc ⌘T1s040794

Title: **Changes to test case 6.1.2.9 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 6.1.2.9 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_6_1_2_9
Test Group:	RRC_Measurements.
ATS Version:	iWD-TVB2003-03_D04wk47 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 6630
Verification Status:	PASS

4 Corrections required for test case 6.1.2.9

4.1 Introduction

This section describes the changes required to make test case 6.1.2.9 run correctly with a 3G UE. All modifications are marked with label "**WA#IDLE<number>**" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC_wk47.mp which is part of the iWD-TVB2003-03_D04wk47 release. This ATS, provided by MCC160 contains GCF package 1 to 4 test cases.

4.2 cd_SIB11_Freq2Multi (WA#IDLE3035)

Constraint name	cd_SIB11_Freq2Multi
Reason for change	Calculated value for accuracy256 is out of range and should be in a range of 256
Summary of change	Changes made for all calculations of accuracy256
Source of change	New Change
Label	WA#IDLE3035

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_SIB11_Freq2Multi (p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3, p_InterCellInfo4, p_InterCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 : CellInfoCfg)
Group:	
Type Name:	SysInfoType11
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP Default system information block type 11. To be used by cell D,E,F: - 3 intra cells frequency of the same frequency - 5 inter cell frequency of the same frequency. **WA#IDLE3035** (accuracy256)

Constraint Value

```
{
 sib12indicator TRUE,
 measurementControlSysInfo  {
    use_of_HCS hcs_not_used :  {
       cellSelectQualityMeasure cpich_RSCP :  {
          intraFreqMeasurementSysInfo  {
            intraFreqMeasurementID OMIT, -- default value
            intraFreqCellInfoSI_List  {
            .........
```

```
          },
          interFreqMeasurementSysInfo
            {
            interFreqCellInfoSI_List  {
            removedInterFreqCellList OMIT,
            newInterFreqCellList  {
            {
            interFreqCellID p_InterCellInfo4.cellId,
            frequencyInfo p_InterCellInfo4.frequencyInfo,
            cellInfo  {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo4.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo4.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            },
            {
            interFreqCellID p_InterCellInfo5.cellId,
            frequencyInfo OMIT,
            cellInfo  {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo5.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo5.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            },
            {
            interFreqCellID p_InterCellInfo6.cellId,
            frequencyInfo OMIT,
            cellInfo  {
            cellIndividualOffset OMIT, -- dafault value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo6.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo6.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            },
            {
            interFreqCellID p_InterCellInfo7.cellId,
            frequencyInfo OMIT,
            cellInfo  {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo7.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo7.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            },
            {
            interFreqCellID p_InterCellInfo8.cellId,
            frequencyInfo OMIT,
            cellInfo  {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo8.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo8.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            }
          } }}
  }}},
  nonCriticalExtensions OMIT -- @sic ER 1497 sic@
}
```

Detailed Comment:

4.3 cb_SIB12_Freq2Multi (WA#IDLE3036)

Constraint name	cb_SIB12_Freq2Multi
Reason for change	Calculated value for accuracy256 is out of range and should be in a range of 256
Summary of change	Changes made for all calculations of accuracy256
Source of change	New Change
Label	WA#IDLE3036

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_SIB12_Freq2Multi (p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3, p_InterCellInfo4, p_InterCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 : CellInfoCfg)
Group:	
Type Name:	SysInfoType12
Derivation Path:	
Encoding Variation:	
Comments:	Default system information block type 12, used in connected mode. To be used by cell D,E,F: - 3 intra cells frequency of the same frequency - 5 inter cell frequency of the same frequency. **WA#IDLE3036** (accuracy256)

Constraint Value

```
{
 measurementControlSysInfo  {
    use_of_HCS hcs_not_used :  {
       cellSelectQualityMeasure cpich_RSCP :  {
          intraFreqMeasurementSysInfo  {
            intraFreqMeasurementID OMIT, -- default value
            intraFreqCellInfoSI_List  {
            .........
          },
          interFreqMeasurementSysInfo
            {
            interFreqCellInfoSI_List  {
            removedInterFreqCellList OMIT,
            newInterFreqCellList  {
            {
            interFreqCellID p_InterCellInfo4.cellId,
            frequencyInfo p_InterCellInfo4.frequencyInfo,
            cellInfo  {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo4.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo4.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            },
            {
            interFreqCellID p_InterCellInfo5.cellId,
            frequencyInfo OMIT,
            cellInfo  {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo5.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo5.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            },
            {
            interFreqCellID p_InterCellInfo6.cellId,
            frequencyInfo OMIT,
            cellInfo  {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo6.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo6.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            },
```

```
            {
            interFreqCellID p_InterCellInfo7.cellId,
            frequencyInfo OMIT,
            cellInfo  {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo7.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo7.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            },
            {
            interFreqCellID p_InterCellInfo8.cellId,
            frequencyInfo OMIT,
            cellInfo  {
            cellIndividualOffset OMIT,
            referenceTimeDifferenceToCell accuracy256 :  ( ( ( p_InterCellInfo8.tCell - p_ActiveCellInfo.tCell +
38400 ) MOD 38400)/256),
            modeSpecificInfo fdd :  {
            primaryCPICH_Info  { primaryScramblingCode p_InterCellInfo8.priScrmCode },
            readSFN_Indicator TRUE,
            tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
            }
            }
          } }}
  }}},
  nonCriticalExtensions OMIT -- @sic ER 1497 sic@
}
```

Detailed Comment:	Similar to c_SIB11_def except that "detectedSetReportingQuantities" is not present and "timeToTrigger" = 0

4.4 tc_6_1_2_9 : (WA#IDLE3037)

Test step name	tc_6_1_2_9 : line 5,9,11
Reason for change	According to 34.123-1, chap. 6.1.2.9.4 the value for q_Rxlevmin should be set to -42 in Sib3/4 and in Sib11/12. The values in Sib11/12 are not set correctly
Summary of change	Use test step ts_SendDefSysInfo_6_1_2_9 instead of ts_SendDefSysInfo_6_1_2_And6_2_2 to set the correct of q_Rxlevmin to -42 in Sib11/12
Source of change	New Change
Label	WA#IDLE3037

See table from WA#IDLE3046

4.5 tc_6_1_2_9 : (WA#IDLE3046)

Test step name	tc_6_1_2_9 : line 1
Reason for change	Test case is running between 40 – 60 minutes
Summary of change	Increase t_Guard timer to 3600 seconds
Source of change	New Change
Label	WA#IDLE3046

Test Case	
Test Case Id:	tc_6_1_2_9
Test Group Reference:	Idle_Mode/
Purpose:	1. To verify that when cell status is indicated as "not barred", "not reserved" for operator use and "reserved" for future extension (Cell Reservation Extension), - UEs behave as if cell status "barred" is indicated using the value "not allowed" in the IE "Intra-frequency cell re-selection indicator" and the maximum value for Tbarred. 2. To verify that when cell status is indicated as "not barred" and "reserved" for operator use, - UEs assigned to Access Class 11 or 15 may select/re-select this cell if in the home PLMN. - UEs assigned to an Access Class in the range 0 to 9 and 12 to 14 shall behave as if cell

		status "barred" is indicated using the value "not allowed" in the IE "Intra-frequency cell re-selection indicator" and the maximum value for Tbarred.			
Configuration:					
Defaults:		RRC_Def1_Idle			
Comments:		@SIC_NAPP			
Nr	**Label**	**Behaviour Description**	**Constraint Ref**	**Verdict**	**Comments**
1		START t_Guard (3600)			**WA#IDLE3046**
2		[px_RAT = fdd]			FDD specific behaviour
3		+lt_InitVariables			
4		+ts_SS_CreateCellFACH (tsc_CellA)			Configure lower tester
5		+ts_SendDefSysInfo_6_1_2_9 (tsc_CellA)			Sends the default system information in CellA **WA#IDLE3037**
6		+ts_MMI_Cmd ("Please insert the USIM card, with Type A EFACC")			
7		+ts_IdleUpdated (tsc_CellA)			The test flow do not specify this Step as requirement, but this has been included so as to assure that the USIM is in in the idle uopdated state in the default location area with TMSI/P-TMSI assigned. *The UE is switched on in this step.
8		+ts_SS_CreateCellFACH (tsc_CellB)			Configure lower tester cell 2
9		+ts_SendDefSysInfo_6_1_2_9 (tsc_CellB)			Sends the default system information in CellB **WA#IDLE3037**
10		+ts_SS_CreateCellFACH (tsc_CellD)			Configure lower tester
11		+ts_SendDefSysInfo_6_1_2_9 (tsc_CellD)			Sends the default system information in CellD **WA#IDLE3037**

4.6 ts_SendDefSysInfo_6_1_2_9 (WA#IDLE3038)

Test step name ts_SendDefSysInfo_6_1_2_9

Reason for change According to 34.123-1, chap. 6.1.2.9.4 the value for q_Rxlevmin should be set to -42 in Sib3/4 and in Sib11/12. The values in Sib11/12 are not set correctly

Summary of change Create test step ts_SendDefSysInfo_6_1_2_9 based on ts_SendDefSysInfo_6_1_2_And6_2_2 using consistent settings for Sib11/12 to set the value of q_Rxlevmin to -42

Source of change New Change

Label WA#IDLE3038

Test Step					
Test Step Id:		ts_SendDefSysInfo_6_1_2_9 (p_CellId: INTEGER)			
Test Step Group Ref:		SysInfo/IdleModeSpecific/			
Objective:		To broadcast default system infomation.			
Defaults:		InitOtherwiseFail			
Comments:		@SIC_NAPP **WA#IDLE3038**			
Nr	**Label**	**Behaviour Description**	**Constraint Ref**	**Verdict**	**Comments**
1		+ ts_SetTmpCellInfo (p_CellId)			Fetch record corresponding

					to current cell
2		+ ts_UTRAN_GERAN_ParaInit (p_CellId)			
3		+ts_CellDependentPara (p_CellId)			
4		+ts_InitializeSIB2AndSIB18 (tcv_TmpCellInfo)			
5		+ts_ModifiedRegionalParaInit6_1_2 (p_CellId)			
6		+ts_InitializeSIB11_12_SIB12_Idle_**6_1_2_9** (p_CellId)			
7		(tcv_MIB := c_MIB_DefLongNeighCellInfo (tcv_TmpCellInfo) , tcv_SB1 := c_SB1_DefLongNeighCellInfo)			
8		[px_RAT = fdd]			
9		+ts_SendSIB1_LongNeighCellInfo (c_SIB1_Diff (tcv_TmpCellInfo , m60 , s20), p_CellId, tsc_Now)			
10		+ts_SendSIB2_LongNeighCellInfo (c_SIB2_Def (tcv_TmpCellInfo), p_CellId, tsc_Now)			
11		+ts_SendSIB3_LongNeighCellInfo (tcv_SIB3, p_CellId, tsc_Now)			
12		+ts_SendSIB4_LongNeighCellInfo (tcv_SIB4, p_CellId, tsc_Now)			
13		+ts_SendSIB5_LongNeighCellInfo (cb_SIB5_Def (tcv_TmpCellInfo), p_CellId, tsc_Now)			
14		+ts_SendSIB6_LongNeighCellInfo (cb_SIB6_Def (tcv_TmpCellInfo), p_CellId, tsc_Now)			
15		+ts_SendSIB7_LongNeighCellInfo (c_SIB7_Def, p_CellId, tsc_Now)			
16		+ts_SendSIB11_LongNeighCellInfo (tcv_SIB11, p_CellId, tsc_Now)			
17		+ts_SendSIB12_LongNeighCellInfo (tcv_SIB12, p_CellId, tsc_Now)			
18		+ts_SendSIB18_LongNeighCellInfo (c_SIB18_Def (tcv_TmpCellInfo), p_CellId, tsc_Now)			
19		+ts_SendSB1_LongNeighCellInfo (tcv_SB1, p_CellId, tsc_Now)			
20		+ts_SendMIB (tcv_MIB, p_CellId, tsc_Now)			
21		+ts_SendPage1_ModifySI (p_CellId, tcv_MIB.mib_ValueTag)			
22		+ ts_SaveBackMIB_SB1 (p_CellId)			
23	ERR1	[px_RAT = tdd]		I	
24	ERR2	[TRUE]		I	
Detailed Comment:					

4.7 ts_InitializeSIB11_12_SIB12_Idle_6_1_2_9 (WA#IDLE3039)

Test step name ts_InitializeSIB11_12_SIB12_Idle_6_1_2_9

Reason for change According to 34.123-1, chap. 6.1.2.9.4 the value for q_Rxlevmin should be set to -42 in Sib3/4 and in Sib11/12. The values in Sib11/12 are not set correctly

Summary of change Create new teststep ts_InitializeSIB11_12_SIB12_Idle_6_1_2_9 based on ts ts_InitializeSIB11_12_SIB12_Idle using new constraints cd_SIB11_RxlevMin_6_1_2_9, cd_SIB12_RxlevMin_6_1_2_9, cd_SIB11_RxlevMin_Freq2_6_1_2_9 and cd_SIB12_RxlevMin_Freq2_6_1_2_9

Source of change New Change

Label WA#IDLE3039

Test Step					
Test Step Id:	ts_InitializeSIB11_12_SIB12_Idle_6_1_2_9 (p_CellID : INTEGER)				
Test Step Group Ref:	SysInfo/IdleModeSpecific/				
Objective:	To assign tcv_SIB11 and tcv_SIB12				
Defaults:	InitOtherwiseFail				
Comments:	@SIC_NAPP **WA#IDLE3039**				
Nr	**Label**	**Behaviour Description**	**Constraint Ref**	**Verdict**	**Comments**
1		+ ts_SetTmpCellInfo (p_CellID)			
2		[p_CellID = tsc_CellA]			

3		(tcv_SIB11 := cd_SIB11_RxlevMin_6_1_2_9 (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF), tcv_SIB12 := cd_SIB12_RxlevMin_6_1_2_9 (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF))			
4		[p_CellID = tsc_CellB]			
5		(tcv_SIB11 := cd_SIB11_RxlevMin_6_1_2_9 (tcv_CellInfoB, tcv_CellInfoA, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF), tcv_SIB12 := cd_SIB12_RxlevMin_6_1_2_9 (tcv_CellInfoB, tcv_CellInfoA, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF))			
6		[p_CellID = tsc_CellC]			
7		(tcv_SIB11 := cd_SIB11_RxlevMin_6_1_2_9 (tcv_CellInfoC, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF), tcv_SIB12 := cd_SIB12_RxlevMin_6_1_2_9 (tcv_CellInfoC, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF))			
8		[p_CellID = tsc_CellD]			
9		(tcv_SIB11 := cd_SIB11_RxlevMin_Freq2_6_1_2_9 (tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH), tcv_SIB12 := cd_SIB12_RxlevMin_Freq2_6_1_2_9 (tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH))			
10		[p_CellID = tsc_CellE]			
11		(tcv_SIB11 := cd_SIB11_RxlevMin_Freq2_6_1_2_9 (tcv_CellInfoE, tcv_CellInfoD, tcv_CellInfoF, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH), tcv_SIB12 := cd_SIB12_RxlevMin_Freq2_6_1_2_9 (tcv_CellInfoE, tcv_CellInfoD, tcv_CellInfoF, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH))			
12		[p_CellID = tsc_CellF]			
13		(tcv_SIB11 := cd_SIB11_RxlevMin_Freq2_6_1_2_9 (tcv_CellInfoF, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH), tcv_SIB12 := cd_SIB12_RxlevMin_Freq2_6_1_2_9 (tcv_CellInfoF, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH))			
14		[p_CellID = tsc_CellG]			
15		(tcv_SIB11 := cd_SIB11_RxlevMin_6_1_2_9 (tcv_CellInfoG, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF), tcv_SIB12 := cd_SIB12_RxlevMin_6_1_2_9 (tcv_CellInfoG, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF))			
16		[p_CellID = tsc_CellH]			
17		(tcv_SIB11 := cd_SIB11_RxlevMin_6_1_2_9 (tcv_CellInfoH, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF), tcv_SIB12 := cd_SIB12_RxlevMin_6_1_2_9 (tcv_CellInfoH, tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF))			
18		[TRUE]		I	no such cell
Detailed Comment:					

4.8 cd_SIB11_RxlevMin_6_1_2_9 (WA#IDLE3040)

Constraint name	cd_SIB11_RxlevMin_6_1_2_9
Reason for change	According to 34.123-1, chap. 6.1.2.9.4 the value for q_Rxlevmin should be set to -42 in Sib3/4 and in Sib11/12. The values in Sib11/12 are not set correctly
Summary of change	Create new constraint cd_SIB11_RxlevMin_6_1_2_9 using constraint c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9 to set the value for q_Rxlevmin to -42
Source of change	New Change
Label	WA#IDLE3040

ASN.1 Type Constraint Declaration	
Constraint Name:	cd_SIB11_RxlevMin_6_1_2_9 (p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3,

	p_IntraCellInfo4, p_IntraCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 : CellInfoCfg)
Group:	
Type Name:	SysInfoType11
Derivation Path:	cb_SIB11_Def.
Encoding Variation:	
Comments:	@SIC_NAPP **WA#IDLE3040**

Constraint Value

```
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP.
intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList.
[1].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9,
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP.
intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList.
[2].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9,
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP.
intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList.
[3].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9,
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP.
intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList.
[4].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9,
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP.
interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList.
[0].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9,
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP.
interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList.
[1].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9,
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP.
interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList.
[2].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9
```

Detailed Comment:	

4.9 c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9 (WA#IDLE3041)

Constraint name	c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9
Reason for change	According to 34.123-1, chap. 6.1.2.9.4 the value for q_Rxlevmin should be set to -42 in Sib3/4 and in Sib11/12. The values in Sib11/12 are not set correctly. With q_Qualmin = -24 the Cell Reselection criteria is not fullfilled and the UE will not reselect any neighbour cell
Summary of change	Create new constraint c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9 based on c_CellSelReselInfoSIB11_12_RSCP_Idle to change the values for q_RxlevMin and q_QualMin
Source of change	New Change
Label	WA#IDLE3041

ASN.1 Type Constraint Declaration

Constraint Name:	c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9
Group:	
Type Name:	CellSelectReselectInfoSIB_11_12_RSCP
Derivation Path:	
Encoding Variation:	
Comments:	**WA#IDLE3041**

Constraint Value

```
{
  q_OffsetS_N 0,
  maxAllowedUL_TX_Power 21,
  modeSpecificInfo fdd :
    {
      q_QualMin -16 ,
      q_RxlevMin -42 -- IE*2+1 = -83
  }
}
```

Detailed Comment:	

4.10 cd_SIB12_RxlevMin_6_1_2_9 (WA#IDLE3042)

Constraint name	cd_SIB12_RxlevMin_6_1_2_9
Reason for change	According to 34.123-1, chap. 6.1.2.9.4 the value for q_Rxlevmin should be set to -42 in Sib3/4 and in Sib11/12. The values in Sib11/12 are not set correctly
Summary of change	Create new constraint cd_SIB12_RxlevMin_6_1_2_9 using constraint c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9 to set the value for q_Rxlevmin to -42
Source of change	New Change
Label	WA#IDLE3042

ASN.1 Type Constraint Declaration	
Constraint Name:	cd_SIB12_RxlevMin_6_1_2_9 (p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3, p_IntraCellInfo4, p_IntraCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 : CellInfoCfg)
Group:	
Type Name:	SysInfoType12
Derivation Path:	cb_SIB12_DefMulti.
Encoding Variation:	
Comments:	**WA#IDLE3042**
Constraint Value	
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList. [0].cellInfo.cellSelectionReselectionInfo BY **c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9**, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList. [1].cellInfo.cellSelectionReselectionInfo BY **c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9**, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList. [2].cellInfo.cellSelectionReselectionInfo BY **c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9**, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList. [3].cellInfo.cellSelectionReselectionInfo BY **c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9**, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [0].cellInfo.cellSelectionReselectionInfo BY **c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9**, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [1].cellInfo.cellSelectionReselectionInfo BY **c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9**, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [2].cellInfo.cellSelectionReselectionInfo BY **c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9**	
Detailed Comment:	

4.11 cd_SIB11_RxlevMin_Freq2_6_1_2_9 (WA#IDLE3043)

Constraint name	cd_SIB11_RxlevMin_Freq2_6_1_2_9
Reason for change	According to 34.123-1, chap. 6.1.2.9.4 the value for q_Rxlevmin should be set to -42 in Sib3/4 and in Sib11/12. The values in Sib11/12 are not set correctly
Summary of change	Create new constraint cd_SIB11_RxlevMin_Freq2_6_1_2_9 using constraint c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9 to set the value for q_Rxlevmin to -42
Source of change	New Change
Label	WA#IDLE3043

ASN.1 Type Constraint Declaration	
Constraint Name:	cd_SIB11_RxlevMin_Freq2_6_1_2_9 (p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3, p_InterCellInfo4, p_InterCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 : CellInfoCfg)
Group:	
Type Name:	SysInfoType11
Derivation Path:	cb_SIB11_Freq2Multi.
Encoding Variation:	
Comments:	@SIC_NAPP **WA#IDLE3043**
Constraint Value	
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP.	

intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList. [1].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList. [2].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [0].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [1].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [2].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [3].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [4].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9
Detailed Comment:

4.12 cd_SIB12_RxlevMin_Freq2_6_1_2_9 (WA#IDLE3044)

Constraint name	cd_SIB12_RxlevMin_Freq2_6_1_2_9
Reason for change	According to 34.123-1, chap. 6.1.2.9.4 the value for q_Rxlevmin should be set to -42 in Sib3/4 and in Sib11/12. The values in Sib11/12 are not set correctly
Summary of change	Create new constraint cd_SIB12_RxlevMin_Freq2_6_1_2_9 using constraint c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9 to set the value for q_Rxlevmin to -42
Source of change	New Change
Label	WA#IDLE3044

ASN.1 Type Constraint Declaration	
Constraint Name:	cd_SIB12_RxlevMin_Freq2_6_1_2_9 (p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3, p_InterCellInfo4, p_InterCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 : CellInfoCfg)
Group:	
Type Name:	SysInfoType12
Derivation Path:	cb_SIB12_Freq2Multi.
Encoding Variation:	
Comments:	**WA#IDLE3044**
Constraint Value	
REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList. [0].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. intraFreqMeasurementSysInfo.intraFreqCellInfoSI_List.newIntraFreqCellList. [1].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [0].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [1].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [2].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [3].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9, REPLACE measurementControlSysInfo.use_of_HCS.hcs_not_used.cellSelectQualityMeasure.cpich_RSCP. interFreqMeasurementSysInfo.interFreqCellInfoSI_List.newInterFreqCellList. [4].cellInfo.cellSelectionReselectionInfo BY c_CellSelReselInfoSIB11_12_RSCP_Idle_6_1_2_9	
Detailed Comment:	

4.13 tc_6_1_2_9: lt_InitVariables, line 3,4,5 (WA#IDLE3045)

Test step name tc_6_1_2_9: lt_InitVariables, line 3,4,5

Reason for change With q_Qualmin = -24 the Cell Reselection criteria is not fullfilled and the UE will not reselect any neighbour cell

Summary of change Insert

Source of change New Change

Label WA#IDLE3045

Test Case	
Test Case Id:	tc_6_1_2_9
Test Group Reference:	Idle_Mode/
Purpose:	1. To verify that when cell status is indicated as "not barred", "not reserved" for operator use and "reserved" for future extension (Cell Reservation Extension), - UEs behave as if cell status "barred" is indicated using the value "not allowed" in the IE "Intra-frequency cell re-selection indicator" and the maximum value for Tbarred. 2. To verify that when cell status is indicated as "not barred" and "reserved" for operator use, - UEs assigned to Access Class 11 or 15 may select/re-select this cell if in the home PLMN. - UEs assigned to an Access Class in the range 0 to 9 and 12 to 14 shall behave as if cell status "barred" is indicated using the value "not allowed" in the IE "Intra-frequency cell re-selection indicator" and the maximum value for Tbarred.
Configuration:	
Defaults:	RRC_Def1_Idle
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
lt_InitVariables					
16		+ts_RRC_InitVariables (cell_FACH)			
17		+lt_ITU_BandSpecificInitializing			
18		(tcv_CellInfoA.mcc := tsc_MCC_PLMN1, tcv_CellInfoA.mnc := tsc_MNC_PLMN1, tcv_CellInfoA.lac := tsc_LAC_PLMN1, tcv_CellInfoA.rac := tsc_RAC_PLMN1, tcv_CellInfoA.attenuationLevel := tcv_CellInfoA.powerpCPICH+58, tcv_IdleSIB3_CellA.cellSelectReselectInfo.modeSpecificInfo.fdd.q_QualMin := -16, tcv_IdleSIB4_CellA.cellSelectReselectInfo.modeSpecificInfo.fdd.q_QualMin := -16, tcv_IdleSIB3_CellA.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -42, tcv_IdleSIB4_CellA.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -42, tcv_CellInfoA.attFlag := tsc_AttOn)			Initialize CELL A Variable as the test case demands, **WA#IDLE3045**
19		(tcv_CellInfoB.mcc := tsc_MCC_PLMN1, tcv_CellInfoB.mnc := tsc_MNC_PLMN1, tcv_CellInfoB.lac := tsc_LAC_PLMN1, tcv_CellInfoB.rac := tsc_RAC_PLMN1, tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH+68, tcv_IdleSIB3_CellB.cellSelectReselectInfo.modeSpecificInfo.fdd.q_QualMin := -16, tcv_IdleSIB4_CellB.cellSelectReselectInfo.modeSpecificInfo.fdd.q_QualMin := -16, tcv_IdleSIB3_CellB.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -42, tcv_IdleSIB4_CellB.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -42, tcv_CellInfoB.attFlag := tsc_AttOn)			Initialize CELL B Variable as the test case demands, **WA#IDLE3045**
20		(tcv_CellInfoD.mcc := tsc_MCC_PLMN1, tcv_CellInfoD.mnc := tsc_MNC_PLMN1, tcv_CellInfoD.lac := tsc_LAC_PLMN1, tcv_CellInfoD.rac := tsc_RAC_PLMN1, tcv_CellInfoD.attenuationLevel := tcv_CellInfoD.powerpCPICH+78, tcv_IdleSIB3_CellD.cellSelectReselectInfo.modeSpecificInfo.fdd.q_QualMin := -16, tcv_IdleSIB4_CellD.cellSelectReselectInfo.modeSpecificInfo.fdd.q_QualMin := -16, tcv_IdleSIB3_CellD.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -42, tcv_IdleSIB4_CellD.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -42, tcv_CellInfoD.attFlag := tsc_AttOn)			Initialize CELL D Variable as the test case demands, **WA#IDLE3045**

4.14 tc_6_1_2_9: lt_LocalTestLoop2, line 1 (WA#IDLE3047)

Test step name tc_6_1_2_9: lt_LocalTestLoop2, line 1

Reason for change With ts_MMI_Cmd ("Please switch off the UE") the variable tcv_UE_SwitchedOn is not set to the correct status

Summary of change replace ts_MMI_Cmd ("Please switch off the UE") with ts_MMI_UE_SwitchOff to use a common teststep,which set the

	tcv_UE_SwitchedOn to the right status value
Source of change	New Change
Label	WA#IDLE3047

Test Case					
Test Case Id:	tc_6_1_2_9				
Test Group Reference:	Idle_Mode/				
Purpose:	1. To verify that when cell status is indicated as "not barred", "not reserved" for operator use and "reserved" for future extension (Cell Reservation Extension), - UEs behave as if cell status "barred" is indicated using the value "not allowed" in the IE "Intra-frequency cell re-selection indicator" and the maximum value for Tbarred. 2. To verify that when cell status is indicated as "not barred" and "reserved" for operator use, - UEs assigned to Access Class 11 or 15 may select/re-select this cell if in the home PLMN. - UEs assigned to an Access Class in the range 0 to 9 and 12 to 14 shall behave as if cell status "barred" is indicated using the value "not allowed" in the IE "Intra-frequency cell re-selection indicator" and the maximum value for Tbarred.				
Configuration:					
Defaults:	RRC_Def1_Idle				
Comments:	@SIC_NAPP				
Nr	**Label**	**Behaviour Description**	**Constraint Ref**	**Verdict**	**Comments**
lt_LocalTestLoop2					
137		+ts_MMI_UE_SwitchOff			Request to switch off the mobile . (TEST STEP H) **WA#IDLE3047**

5 Branches executed in test case 6.1.2.9

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

6 Execution Log Files

6.1 Nokia 6630 3G UE

The Nokia 6630 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 6_1_2_9-Logs\NokiaS\Index.html**

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

- **6_1_2_9-pics-pixit_Nokia.html**

  HTML file containing all PICS/PIXIT parameters used for testing

7 References

[1] **T1s04795**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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Tdoc ⌘T1s040796

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1202 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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 8.1.2.10 to RRC ATS v3.7.0 (Revision of CR T1s040777)
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	16/12/04
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 3 RRC test cases 8.1.2.10 to the approved RRC ATS V3.7.0.
Summary of change:	⌘	This document lists all changes applied to test cases 8.1.2.10 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG-T1 E-Mail 2004 ***T1s040796***
01 Jan - 31 Dec 2004

Title: **Changes to test case 8.1.2.10 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.1.2.10, 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).

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_8_1_2_10
Test Group:	RRC_ConnMgmt
ATS Version:	iWD-TVB2003-03_D04wk49 + essential modifications
System Simulator used:	**Anite 3G CT**
UE used:	Nokia 6630 and Motorola E1000
Verification Status:	PASS

4 Corrections required for test case 8.1.2.10

This section describes the changes required to make test case 8.1.2.10 run correctly with a 3G UE. The ATS version used as basis was RRC_wk49.mp, which is part of the iWD-TVB2003-03_D04wk49 release.

4.1 Change 1

Constraint	tc_8_1_2_10
Reason for change	The constraint c_SIB11_1_CellInfoRACH passed to the test step ts_SendDefSysInfoWithoutSIB12_ModifiedSIB11 implements the specific message contents exceptions defined in 34.123-1 correctly, but the implementation of the other default IE are not as per the 34.108.
Summary of change	Created a new constraint cb_SIB11_1_CellInfoRACH and the same is used in place of c_SIB11_1_CellInfoRACH at row 5.
Source of change	New change

Before:

Test Case

Test Case Id:	tc_8_1_2_10
Test Group Reference:	RRC/RRC_ConnMgmt/
Purpose:	To confirm that the UE manages to establish an RRC CONNECTION on another frequency when so required by SS in the RRC CONNECTION SETUP message.
Configuration:	
Defaults:	RRC_DefConnEst
Comments:	@SIC_NAPP

Ind	Label	Behaviour Description	Constraint Ref	Verdict	Comments
0		START t_Guard			
1		[px_RAT=fdd]			FDD specific behaviour
2		+ts_RRC_InitVariables (cell_DCH)			
3		+ts_SS_CreateCellDCH (tsc_CellA)			
4		+ ts_SendDefSysInfoWithoutSIB12_ModifiedSIB11(tsc_CellA, c_SIB11_1_CellInfoRACH (tcv_CellInfoA))			@sic VB draft TTCN CR sic@
5		+ts_IdleUpdated (tsc_CellA)			
6		+ts_SS_CreateCellDCH (tsc_CellD)			
7		(tcv_SB1 := c_SB1_Def)			@sic VB draft TTCN CR sic@
8		+ts_SendDefSysInfo (tsc_CellD)			
9	TBS	(tcv_TestBody:=TRUE)			
10		+lt_TestBody			

After:

Test Case	
Test Case Id:	tc_8_1_2_10
Test Group Reference:	RRC/RRC_ConnMgmt/
Purpose:	To confirm that the UE manages to establish an RRC CONNECTION on another frequency when so required by SS in the RRC CONNECTION SETUP message.
Configuration:	
Defaults:	RRC_DefConnEst
Comments:	@SIC_NAPP

Ind	Label	Behaviour Description	Constraint Ref	Verdict	Comments
0		START t_Guard			
1		[px_RAT=fdd]			FDD specific behaviour
2		+ts_RRC_InitVariables (cell_DCH)			
3		+ts_SS_CreateCellDCH (tsc_CellA)			
4		+ts_SendDefSysInfoWithoutSIB12_ModifiedSIB11(tsc_CellA, cb_SIB11_1_CellInfoRACH (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF))			@sic VB draft TTCN CR sic@
5		+ts_IdleUpdated (tsc_CellA)			
6		+ts_SS_CreateCellDCH (tsc_CellD)			
7		(tcv_SB1 := c_SB1_Def)			@sic VB draft TTCN CR sic@
8		+ts_SendDefSysInfo (tsc_CellD)			
9	TBS	(tcv_TestBody:=TRUE)			
10		+lt_TestBody			
11	TBE	(tcv_TestBody:=FALSE)			

New Constraint:

ASN.1 Type Constraint Declaration	
Constraint Name:	cb_SIB11_1_CellInfoRACH (p_ActiveCellInfo, p_IntraCellInfo2, p_IntraCellInfo3, p_IntraCellInfo4, p_IntraCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCellInfo8 : CellInfoCfg)
Group:	
Type Name:	SysInfoType11
Derivation Path:	
Encoding Variation:	
Comments:	Default system information block type 11. To be used by cell A,B,C,G and H: - 5 intra cells frequency of the same frequency - 3 inter cell frequency of the same frequency.

Constraint Value

```
{
 sib12indicator FALSE,
 measurementControlSysInfo {
  use_of_HCS hcs_not_used : {
   cellSelectQualityMeasure cpich_Ec_N0 : {
    intraFreqMeasurementSysInfo {
     intraFreqMeasurementID OMIT, -- default value
     intraFreqCellInfoSI_List {
      removedIntraFreqCellList OMIT, -- removedIntraFreqCellList in SIB11 is not used and ignored by the UE
      newIntraFreqCellList {{
        intraFreqCellID p_ActiveCellInfo.cellId,
        cellInfo {
         cellIndividualOffset OMIT, -- default value
         referenceTimeDifferenceToCell OMIT,
         modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_ActiveCellInfo.priScrmCode },
          readSFN_Indicator FALSE,
          tx_DiversityIndicator FALSE
         },
         cellSelectionReselectionInfo OMIT
        }
       },
       {
        intraFreqCellID p_IntraCellInfo2.cellId,
        cellInfo {
         cellIndividualOffset OMIT, -- default value
         referenceTimeDifferenceToCell OMIT,
         modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo2.priScrmCode },
          readSFN_Indicator TRUE,
          tx_DiversityIndicator FALSE
```

```
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo2.priScrmCode },
          readSFN_Indicator TRUE,
          tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo OMIT -- value same as the serving cell
       }
      },
      {
       intraFreqCellID p_IntraCellInfo3.cellId,
       cellInfo {
        cellIndividualOffset OMIT, -- default value
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo3.priScrmCode },
          readSFN_Indicator TRUE,
          tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo OMIT -- value same as the serving cell
       }
      },
      {
       intraFreqCellID p_IntraCellInfo4.cellId,
       cellInfo {
        cellIndividualOffset OMIT, -- default value
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo4.priScrmCode },
          readSFN_Indicator TRUE,
          tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo OMIT -- value same as the serving cell
       }
      },
      {
       intraFreqCellID p_IntraCellInfo5.cellId,
       cellInfo {
        cellIndividualOffset OMIT, -- default value
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo5.priScrmCode },
          readSFN_Indicator TRUE,
        cellIndividualOffset OMIT, -- default value
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo5.priScrmCode },
          readSFN_Indicator TRUE,
          tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo OMIT -- value same as the serving cell
       }
     }}
    },
    intraFreqMeasQuantity {
     filterCoefficient OMIT, -- default value
     modeSpecificInfo fdd : {
      intraFreqMeasQuantity_FDD cpich_RSCP
     }
    },
    intraFreqReportingQuantityForRACH {
     sfn_SFN_OTD_Type noReport,
     modeSpecificInfo fdd : {
      intraFreqRepQuantityRACH_FDD cpich_EcN0
     }
    },
    maxReportedCellsOnRACH currentCell,
    reportingInfoForCellDCH OMIT
   },
   interFreqMeasurementSysInfo
   {
    interFreqCellInfoSI_List {
     removedInterFreqCellList OMIT, -- removedInterFreqCellList in SIB11 is not used and ignored by the UE
     newInterFreqCellList { {
       interFreqCellID p_InterCellInfo6.cellId,
       frequencyInfo p_InterCellInfo6.frequencyInfo,
       cellInfo {
        cellIndividualOffset OMIT, -- default value
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_InterCellInfo6.priScrmCode },
          readSFN_Indicator FALSE,
          tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo OMIT -- value same as the serving cell
       }
```

```
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell OMIT,
            modeSpecificInfo fdd : {
              primaryCPICH_Info { primaryScramblingCode p_InterCellInfo6.priScrmCode },
              readSFN_Indicator FALSE,
              tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
          }
        },
        {
          interFreqCellID p_InterCellInfo7.cellId,
          frequencyInfo OMIT,
          cellInfo {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell OMIT,
            modeSpecificInfo fdd : {
              primaryCPICH_Info { primaryScramblingCode p_InterCellInfo7.priScrmCode },
              readSFN_Indicator FALSE,
              tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
          }
        },
        {
          interFreqCellID p_InterCellInfo8.cellId,
          frequencyInfo OMIT,
          cellInfo {
            cellIndividualOffset OMIT, -- default value
            referenceTimeDifferenceToCell OMIT,
            modeSpecificInfo fdd : {
              primaryCPICH_Info { primaryScramblingCode p_InterCellInfo8.priScrmCode },
              readSFN_Indicator FALSE,
              tx_DiversityIndicator FALSE
            },
            cellSelectionReselectionInfo OMIT -- value same as the serving cell
          }
        }
      } }
    }},
    nonCriticalExtensions OMIT --@sic T1s-040086 sic@
  }
  Detailed Comment:
```

4.2 Change 2

Constraint	cds_RRC_ConnSetupDCH_FrequencyInfoCellD
Reason for change	As per specific message content for the RRC CONNECTION SETUP message, IE UARFCN uplink(Nu) should be “Not present“. However in the constraint cds_RRC_ConnSetupDCH_FrequencyInfoCellD the value for the IE is set as “px_UARFCN_D_High – 950”
Summary of change	Changed the value for IE UARFCN uplink(Nu) to OMIT.
Source of change	New change

Before:

ASN.1 PDU Constraint Declaration	
Constraint Name:	cds_RRC_ConnSetupDCH_FrequencyInfoCellD (p_InitUEId : InitialUE_Identity; p_RRC_Ti : RRC_TransactionIdentifier; p_PrmbScrmCode : PrimaryScramblingCode; p_U_RNTI_New : U_RNTI; p_UL_ScramblingCode : UL_ScramblingCode)
Group:	
PDU Name:	DL_CCCH_Message
Derivation Path:	cbs_108_RRC_ConnSetupDCH.
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP

Constraint Value
REPLACE message.rrcConnectionSetup.r3.rrcConnectionSetup_r3.frequencyInfo BY c_FreqInfo (px_UARFCN_D_High - 950 , px_UARFCN_D_High)

After:

ASN.1 PDU Constraint Declaration	
Constraint Name:	cds_RRC_ConnSetupDCH_FrequencyInfoCellD (p_InitUEId : InitialUE_Identity; p_RRC_Ti : RRC_TransactionIdentifier; p_PrmbScrmCode : PrimaryScramblingCode; p_U_RNTI_New : U_RNTI; p_UL_ScramblingCode : UL_ScramblingCode)
Group:	
PDU Name:	DL_CCCH_Message
Derivation Path:	cbs_108_RRC_ConnSetupDCH.
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP

Constraint Value
REPLACE message.rrcConnectionSetup.r3.rrcConnectionSetup_r3.frequencyInfo BY c_FreqInfo (OMIT , px_UARFCN_D_High)

Branches executed in test case 8.1.2.10

The test case 8_1_2_10 implementation executed both the CS and PS branches with integrity enabled and ciphering disabled.

5 Execution Log Files

5.1 Nokia 3G UE 6630

The Nokia 6630 passed this test case on the Anite 3G CT system.

5.2 Motorola 3G UE E1000

The Motorola E1000 passed this test case on the Anite 3G CT system.

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Tdoc ⌘T1s040755

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1203** ⌘ **rev** **-** ⌘ Current version: **3.8.0** ⌘

*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 7.1.2.3.1 to MAC ATS v3.7.0
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	30/11/2004
Category:	⌘	**B**
Release:	⌘	Rel-99

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

Use one of the following releases:

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

Reason for change:	⌘	To add the GCF package 1 MAC test case 7.1.2.3.1 to the approved MAC ATS V3.7.0
Summary of change:	⌘	This document lists all the changes applied to the test case 7.1.2.3.1 required for approval. See detailed change description for further information..
Consequences if not approved:	⌘	Test case will not be added to the ATS

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

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

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

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

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

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

Title:	**Changes to test case 7.1.2.3.1 required for approval**
Source:	Racal Instruments Wireless Solutions, an Aeroflex Company
Document for:	Email Approval
Contact:	**Kundan Sehmbey** kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 7.1.2.3.1, which is part of MAC iWD_wk42 test suite. Please see section 6 for log information. Changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_7_1_2_3_1

Test Group: MAC

ATS Version: iWD_wk42

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

UE used: Nokia 3G UE 6630

Verification Status: PASS

4 Corrections required for test case 7.1.2.3.1

4.1 Introduction

The TTCN ATS used is MAC iWD_wk42.mp which is part of the iWD-TVB2003-03_D04wk42 release. Branches executed in test case 7.1.2.3.1

Test case was executed with pc_CS=TRUE, pc_PS=TRUE.

4.2 Change 1 - tc_7_1_2_3_1

Reason for change tcv_RRC_EstCauMT should be used to check the Establishment cause in RRC connection request instead of 'terminatingConversationalCall'

Summary of change Changed line 40 and 41 to use tcv_RRC_EstCauMT instead of 'terminatingConversationalCall' in the constraint.

Test Case

Test Case Id:	tc_7_1_2_3_1
Test Group Reference:	MAC/CorrectSelectionOfRACH_Parameters/
Purpose:	A1 the UE, initially: - determines the ASC for the given Access Class (AC). - derives the available uplink access slots, in the next full access slot set, for the set of available RACH sub-channels within the given ASC with the help of TS 25.214, subclauses 6.1.1. and 6.1.2. and randomly select one access slot among the ones previously determined. - randomly select a new signature from the set of available signatures within the given ASC. A2 the UE, when not receiving any reply from UTRAN: - selects the next available access slot in the set of available RACH sub-channels within the given ASC. - randomly select a new signature from the set of available signatures within the given ASC. - does not transmit on the PRACH resources specified in the BCH message SIB 5 after that the physical random access procedure is terminated. A3 the UE, when detecting a negative acquisition indicator: - does not transmit on the PRACH resources specified in the BCH message SIB 5 after that the physical random access procedure is terminated. A4 the UE, when detecting a positive acquisition indicator: - transmits the random access message three or four uplink access slots after the uplink access slot of the last transmitted preamble depending on the AICH transmission timing parameter. - terminates the random access procedure
Configuration:	
Defaults:	MAC_Default

Comments:	Correct Selection of RACH parameters

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard (300)			
2		[px_CipheringOnOff = FALSE]			
3		[px_RAT =fdd]			
4		+ ts_MMI_USIM_InsertTypeB			
5		+ts_RRC_InitVariables (cell_FACH)			
6		+ts_SS_CreateCellFACH (tsc_DefaultCellId)			
7		+ ts_SetTmpCellInfo (tsc_DefaultCellId)			
8		+ts_SendDefSysInfo (tsc_DefaultCellId)			
9		+ts_MAC_ModifySIB1_SIB5_And7 (tsc_DefaultCellId, cd_SIB1_Def_N300 (tcv_CellInfoA), cd_SIB5_MAC (tcv_CellInfoA), cd_SIB7_MAC_SIB5_DPL_1, tsc_Now)			@sic RASH T1-041117 sic@
10		+ts_IdleUpdated (tsc_DefaultCellId)			
11		+lt_TestBody			
12		+ ts_SetPRACH_MeasurementmodeInDefaultCell (stopMeas)			To Stop PRACH Measurements
13		+po_ConnectionAndSS_Rel (tsc_DefaultCellId)			
14	TSE1	[px_RAT = tdd]		I	
15	TSE2	[TRUE]		I	
16	TSE3	[TRUE]		I	
lt_TestBody					
17	TBS	(tcv_TestBody := TRUE)			
18		+ ts_SetPRACH_MeasurementmodeInDefaultCell (startMeas)			To enable PRACH MeasureMent Mode
19		+ts_Set_AICH_ACKModeInDefaultCell (noAck)			To configure AICH for No Ack transfer
20	TS1	+ts_RRC_PagType1_DefMAC (tsc_DefaultCellId)			Step 1
21	TS2	+ ts_GetPRACH_PreambleMeasuremntReportInDefaultCell			Step 2
22		[(0 <= tcv_PRACH_PreambleSigUsed) AND (tcv_PRACH_PreambleSigUsed <= 7) AND ((tcv_PRACH_AccessSlotUsed = 0) OR (tcv_PRACH_AccessSlotUsed = 3) OR (tcv_PRACH_AccessSlotUsed = 6) OR (tcv_PRACH_AccessSlotUsed = 9) OR (tcv_PRACH_AccessSlotUsed = 12))]			
23		(tcv_PRACH_ExpAccessSlot := ((tcv_PRACH_AccessSlotUsed + 3) MOD 15), tcv_K :=4)			
24	TS3to6	REPEAT lt_GetPreambleMeasurement UNTIL [tcv_K = 0]			Step 3-6
25	TS7	START t_WaitS (tsc_WaitNoRACHTransmission)			Step 7
26		? TIMEOUT t_WaitS		(P)	
27	TS10	+ts_Set_AICH_ACKModeInDefaultCell (negACK)			Configure AICH for Negative Ack
28	TS8	+ts_RRC_PagType1_DefMAC (tsc_DefaultCellId)			Step 8

29	TS9	+ ts_GetPRACH_PreambleMeasuremntReportInDefaultCell			Step 9
30		[(0 <= tcv_PRACH_PreambleSigUsed) AND (tcv_PRACH_PreambleSigUsed <= 7) AND ((tcv_PRACH_AccessSlotUsed = 0) OR (tcv_PRACH_AccessSlotUsed = 3) OR (tcv_PRACH_AccessSlotUsed = 6) OR (tcv_PRACH_AccessSlotUsed = 9) OR (tcv_PRACH_AccessSlotUsed = 12))]			
31	TS11	START t_WaitS (tsc_WaitNoRACHTransmission)			Step 11
32		? TIMEOUT t_WaitS		(P)	
33	TS14	+ts_Set_AICH_ACKModeInDefaultCell (normal)			configure AICH for normal operation
34	TS12	+ts_RRC_PagType1_DefMAC (tsc_DefaultCellId)			Step 12
35	TS13	+ ts_GetPRACH_PreambleMeasuremntReportInDefaultCell			Step 13
36		[(0 <= tcv_PRACH_PreambleSigUsed) AND (tcv_PRACH_PreambleSigUsed <= 7) AND ((tcv_PRACH_AccessSlotUsed = 0) OR (tcv_PRACH_AccessSlotUsed = 3) OR (tcv_PRACH_AccessSlotUsed = 6) OR (tcv_PRACH_AccessSlotUsed = 9) OR (tcv_PRACH_AccessSlotUsed = 12))]			
37		(tcv_PRACH_ExpAccessSlot := ((tcv_PRACH_AccessSlotUsed + 3) MOD 15), tcv_K := tcv_K -1)			
38		CPHY ? CPHY_PRACH_Measurement_Report_IND (tcv_PRACH_AccessSlotUsed :=CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot)	car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, ?)		
39		[(tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]		(P)	
40		TM ? RLC_TR_DATA_IND	car_RRC_ConnReq (tsc_DefaultCellId, tsc_RB0, cbr_108_RRC_ConnReq (~~terminatingConversationalCall~~ tcv_RRC_EstCauMT))		Step 15
41		TM ? RLC_TR_DATA_IND	car_RRC_ConnReq (tsc_DefaultCellId, tsc_RB0, cbr_108_RRC_ConnReq (~~terminatingConversationalCall~~ tcv_RRC_EstCauMT))		If RACH dta comes ahead of PRACH Report Step 15
42		CPHY ? CPHY_PRACH_Measurement_Report_IND (tcv_PRACH_AccessSlotUsed :=CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot)	car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, ?)		
43		[(tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]		(P)	
44		START t_WaitS (tsc_WaitNoRACHTransmission)			Step 16
45		? TIMEOUT t_WaitS		(P)	
46		+ ts_GetPRACH_MeasuremntReportInDefaultCellWithOrWithoutSig			
47		CANCEL t_WaitS		F	If preamble received Test Case fails
48		[TRUE]		F	If signature or Access slot used is diferent from allowed to use FAIL
49		+ ts_GetPRACH_MeasuremntReportInDefaultCellWithOrWithoutSig			
50		CANCEL t_WaitS		F	If preamble received Test Case fails
51		[TRUE]		F	If signature or Access slot used is diferent from allowed to use FAIL
52		+ ts_GetPRACH_MeasuremntReportInDefaultCellWithOrWithoutSig			
53		CANCEL t_WaitS		F	If preamble received Test Case fails

54		[TRUE]		F	If signature or Access slot used is diferent from allowed to use FAIL
lt_GetPreambleMeasurement					
55		+ ts_GetPRACH_PreambleMeasuremntReportInDefaultCell			
56		[(0 <= tcv_PRACH_PreambleSigUsed) AND (tcv_PRACH_PreambleSigUsed <= 7) AND (tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]			
57		(tcv_PRACH_ExpAccessSlot := ((tcv_PRACH_AccessSlotUsed + 3) MOD 15), tcv_K := tcv_K -1)			
58		[TRUE]		F	

5 Branches executed in test case 7.1.2.3.1

Test case was executed with pc_CS=TRUE, pc_PS=TRUE in the CS and PS domain.

6 Execution Log Files

The Nokia 3G UE 6630 has been used and test case passed on the Racal Instruments Wireless Solution 6401 AIME/CT Test platform. Log of the successful test case execution is enclosed in T1s040756[2].

7 References

[1]	MAC iWD_wk42.mp
[2]	T1s040756[2].zip Attachment containing the successful log.

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1204** ⌘ **rev** **-** ⌘ Current version: **3.8.0** ⌘

*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 8.4.1.41 to RRC ATS V3.7.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	14/12/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 RRC test case 8.4.1.41 to the approved RRC ATS V3.7.0
Summary of change:	⌘	This document lists all changes applied to test case 8.4.1.41 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

Tdoc ⌘T1s040791

Title: **Changes to test case 8.4.1.41 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 8.4.1.41 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case: TC_8_4_1_41

Test Group: RRC_Measurements.

ATS Version: iWD-TVB2003-03_D04wk47 + essential modifications

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

UE used: Nokia 6630

Verification Status: PASS

4 Corrections required for test case 8.4.1.41

4.1 Introduction

This section describes the changes required to make test case 8.4.1.41 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_wk47.mp which is part of the iWD-TVB2003-03_D04wk47 release. This ATS, provided by MCC160 contains GCF package 1 to 4 test cases.

4.2 Tc_8_4_1_41:lt_TestBody (WA#RRC4606)

Test step name	Tc_8_4_1_41:lt_TestBody
Reason for change	The UE is already brought to 16dBm at the beginning of the test body and requires another 5dBm more to reach 21.Therefore the delta value must be 5
Summary of change	Changed the delta value to 5.
Source of change	New change
Label	WA#RRC4606

8	TBP2	? TIMEOUT t_LowerBound		(P)	
9	TBF2	? TIMEOUT t_UpperBound		(F)	
9	TBP3	AM ?RLC_AM_DATA_IND (tcv_checkUETxPower := RLC_AM_DATA_IND.aM_message. uL_DCCH_Message.message.measurementReport.additionalMeasuredResults.[0].ue_InternalMeasuredResults.modeSpecificInfo.fdd.ue_TransmittedPowerFDD) CANCEL t_UpperBound	car_MeasurementReport (tsc_CellDedicated , tsc_RB2, cr_MeasReportIntraFreqPeriodicAddMeasResults (1, OMIT, tcv_CellInfoA.priScrmCode, c_additionalMeasuredResults (?)))	(P)	Step 5 in prose
10		+lt_CheckUE_Power			
11		CPHY!CPHY_UL_PowerModify_REQ	ca_UL_PowerModify_REQ (tsc_CellA, tsc_DL_DPCH1, tsc_UL_DPCH1, delta: 5)		Step 6 in Prose (set UE UL DPCH transmission power above 18 dBm) WA#RRC4606
12		CPHY?CPHY_UL_PowerModify_CNF	ca_UL_PowerModify_CNF (tsc_CellA, tsc_DL_DPCH1)		

5 Branches executed in test case 8.4.1.41

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

6 Execution Log Files

6.1 Nokia 6630 3G UE

The Nokia 6630 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_4_1_41_Logs-Nokia-PS\Index.html**
- **Execution log files 8_4_1_41_Logs-Nokia-CS\Index.html**

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

- **PICS/PIXIT file 8_4_1_41-pics-pixit-Nokia-PS.html**
- **PICS/PIXIT file 8_4_1_41-pics-pixit-Nokia-CS.html**

  HTML file containing all PICS/PIXIT parameters used for testing the CS & PS mode

7 References

[1] **T1s040792**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1205 ⌘ **rev** ⌘ Current version: **3.8.0** ⌘

*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 P4 test case 12.2.1.5d ATS V3.7.0
Source:	⌘	Anritsu Ltd
Work item code:	⌘	N/A
Date:	⌘	07/12/2004
Category:	⌘	**B**
Release:	⌘	R99

Use one of the following categories:
- ***F*** *(correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(addition of feature),*
- ***C*** *(functional modification of feature)*
- ***D*** *(editorial modification)*

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Use one of the following releases:

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

Reason for change:	⌘	To introduce test case 12.2.1.5d ATS V3.7.0
Summary of change:	⌘	table modified in iWD-TVB2003-03_D04w49 for details see below
Consequences if not approved:	⌘	Test case will not be introduced

Clauses affected:	⌘	N/A

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

Other comments:	⌘	

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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.

TSG-T WG 1 E-Mail 2004 T1s040779

01 Jan - 31 Dec 2004

Title	Introducing test case 12.2.1.5d ATS V3.7.0
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

This document details the changes needed to introduce test case 12.2.1.5d ATS V3.7.0 With these changes applied the test case can be demonstrated to run on at least one independent UE implementations. 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 5.8.0 TS34.108 version 5.1.0
Referenced CRs	None
Based ATS suite	iWD-TVB2003-03_D04wk49
Integrity	Enabled
Ciphering	Disabled
Path tested	PS

2 Tables added to iWD-TVB2003-03_D04wk49

2.1 car_PS_InitDirectTransfer_12215d

Reason for Change: As the UE will ReAttach on same RRC Connection UE will OMIT the start Value.

Summary of Change: Defined New Constraint “car_PS_InitDirectTransfer_12215d” with Start Vaule changed from “?” to “*”.

ASP Constraint Declaration	
Constraint Name:	car_PS_InitDirectTransfer_12215d (p_CellId: INTEGER; p_Rb :SS_RB_Identity; p_Pdu : PDU)
Group:	
ASP Name:	RRC_DataInd
Derivation Path:	
Comments:	The ASP is used to indicate the receipt of the NAS PDU message using acknowledged operation (NAS <- RRC).

Parameter Name	Element Value	Comments
cellId	p_CellId	
rB_Id	p_Rb	
ch	-	GERAN only
sapId	-	GERAN only
cN_Domain	tsc_SS_PS_Domain	
start	*	Was ?
msg	p_Pdu	

3 Tables Modifed to iWD-TVB2003-03_D04wk49

3.1 tc_12_2_1_5d

Reason for Change: As per TS 34.123-1 support for UE in UE Operation ModeA and for UE is UE Operation ModeC is needed for this test case.

Summary of Change: Removed Line No. 4 (ts_MMI_SetOpModeA) and added line 10 to 18.

tc_12_2_1_5d	
Test Group Reference:	GMM/Attach_procedures/PS_only_attach/
Purpose:	To test the behaviour of the UE if the network rejects the PS attach procedure of the UE with cause 'PS service not allowed in this PLMN'
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	@SIC_NAPP Initial conditions - SS : Two cells operating in network operation mode II - UE : The UE has a valid P-TMSI-1, P-TMSI-1 signature and RAI-1 and Equivalent PLMN (MCC=2,MNC=1) Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell B - Cell C -> Cell D @sic VB T1-040044 sic@

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard (300)			
2		+ts_InitVariables			
3		(tcv_NumOfPLMN := 2, tcv_CellInfoA.nmo := tsc_NMO_II, tcv_CellInfoB.attenuationLevel := tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoB.nmo := tsc_NMO_II, tcv_CellInfoB.rac := tsc_RAC_2, tcv_CellInfoD.attenuationLevel := tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoD.nmo := tsc_NMO_II, tcv_CellInfoD.rac := tsc_RAC_2, tcv_CellInfoD.mcc := tsc_MCC_2)			Test case specific cell settings
4		~~+ts_MMI_SetOpModeA~~			
5		[TRUE]			+ts_MMI_SetOpModeA
6		+ts_GMM_Config_CellA_CellB_CellD			Configure cell A, cell B and cell D
7		+lt_ChangeSIB3and4			@SIC EW ER1955 SIC@
8		+ts_IdleUpdated (tsc_CellA)			Turn on UE and assign a valid P-TMSI-1, P-TMSI-1 signature and RAI-1.
9		+ts_GMM_DetachOnSwitchOff (tsc_CellA)			Turn off and detach
10		[pc_SupportOpModeC AND (NOT pc_SupportOpModeA)]			If operation mode C supported
11		+ts_MMI_SetOpModeC			Set UE in

					operation mode C
12		+lt_TestBody			
13		+po_ConnectionAndSS_Rels			
14		[pc_SupportOpModeA]			If operation mode C is not supported but operation mode A is supported
15		+ts_MMI_SetOpModeA			Set UE in operation mode A
16		+lt_TestBody			
17		+po_ConnectionAndSS_Rels			
18		[TRUE]			

3.2 lt_TestBody

Reason for Change : TTCN Expecting “Attach Req” without prompting user to Switch on the UE.

Summary of change : Added “ts_MMI_UE_SwitchOn” as below.

lt_TestBody					
19		(tcv_TestBody := TRUE)		(P)	
20		+ ts_MMI_UE_SwitchOn			
21		+lt_AttachDetachSteps4_To8			@sic VB Handle Attach req during CS registration sic@
22		–+lt_ChangePowerstep9			
23		–+lt_Steps_10To11			ATTACH REQUEST (on cell A) ATTACH REJECT (inluding GMM cause 'Location Area Not

3.3 lt_TestBody

Reason for Change : Please Refer to attached Prose CR (T1-050021), Reason for Change 1.Implemented change 12a and 12b as per prose CR.

Summary of change : Added Local Tree Header “lt_ChangePowerstep12b” .

lt_TestBody					
19		(tcv_TestBody := TRUE)		(P)	
20		+ ts_MMI_UE_SwitchOn			
21		+lt_AttachDetachSteps4_To8			@sic VB Handle Attach req during CS registration sic@
22		+lt_ChangePowerstep9			
23		+lt_Steps_10To11			ATTACH REQUEST (on cell A) ATTACH REJECT (inluding GMM cause 'Location Area Not Allowed')
24		[pc_SupportOpModeA AND (NOT pc_SupportOpModeC)]			UE in Operation Mode A, Performs Cell Reselection
25		+It_ChangePowerstep12b			Step 12b Configure Power such that CellC > Cell B = cell A
26		+lt_Steps_13To18			ATTACH REQUEST (on cell D) ATTACH ACCEPT ATTACH COMPLETE
27		+ ts_CC_InitTCV_MT (px_CC_Serv)			@sic VB T1-040528 sic@
28		+ts_CS_Paging_TMSI (tsc_CellD,tcv_PagingCau)			Step 19
29		+ ts_CS_PagingResp (tsc_CellD, tcv_EstCause)			Steps 21 to 26 @sic VB T1-040528 sic@
30		+ts_GMM_DetachOnSwitchOff(tsc_CellD)			Step 27 and 28. Turn off and detach
31		[pc_SupportOpModeC]			Step 12a UE in Operation Mode C, Performs PLMN selection
32		+lt_Steps_13To18			ATTACH REQUEST (on cell D) ATTACH ACCEPT ATTACH COMPLETE
33		+ ts_CC_InitTCV_MT (px_CC_Serv)			@sic VB T1-040528 sic@
34		+ts_CS_Paging_TMSI (tsc_CellD, tcv_PagingCau)			Step 19
35		+ ts_CS_PagingResp (tsc_CellD, tcv_EstCause)			Steps 21 to 26 @sic VB T1-040528 sic@
36		+ts_GMM_DetachOnSwitchOff(tsc_CellD)			Step 27 and 28. Turn off and detach

3.4 It_ChangePowerstep12b

Reason for Change: Please Refer Prose CR ,Implementation of Step 12b in Prose CR.

Summary of change: Introduced Locat tree header “It_ChangePowerstep12b”

It_ChangePowerstep12b					
70		+ts_SS_IncrementCellPowerLevel (tsc_CellD, tsc_AttenuationSuitableNeighbourCell - tsc_AttenuationServingCell)			Set cell D to "Serving cell"
71		+ts_SS_DecrementCellPowerLevel (tsc_CellA, tsc_AttenuationSuitableNeighbourCell - tsc_AttenuationServingCell)			Set cell A to "Suitable neighbour cell"

3.5 lt_AttachDetachSteps4_To8

Reason for Change: As per 34.123-1 v5.9.0 caluse 12.2.1.5d.4, expected Sequence Step 5a,5b.5c were missing in TTCN Implementation.

Summary of change: Added "ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellA)" as below

lt_AttachDetachSteps4_To8					
33		+ ts_MM_RegistrationHandleAttachReqP_TMSI (tsc_CellA, px_PTMSI_Def)			Step 4-5. CS registration If UE Operation mode A. Handle the receipt of ATTACH REQ @sic VB Handle Attach req during CS registration sic@
34		+ ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellA)			
35		–Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef, tcv_AssignedTMSI := px_TMSI_Def)			

3.6 lt_AttachDetachSteps4_To8

Reason for Change: In ATTACH ACCEPT at Step 6 ,UE has being assigned with PTMSI-1, hence there should be ATTACH COMPLETE followed by ATTACH ACCEPT.A prose change has being raised for this please refer prose CR (T1-050021).

Summary of change: Added Line number 36 (ATTACH Complete) As below.

lt_AttachDetachSteps4_To8					
33		+ ts_MM_RegistrationHandleAttachReqP_TMSI (tsc_CellA, px_PTMSI_Def)			Step 4-5.
34		+ ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellA)			
35		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef, tcv_AssignedTMSI := px_TMSI_Def)	ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_AttachAcc6 (c_GMM_AttachResultPS_Only, c_RAI_Def_v, c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), c_GMM_MobileIdTMSI (px_TMSI_Def), c_EquivalentPLMN (tcv_CellInfoD.mcc, tcv_CellInfoD.mnc)))		Step 6. ATTACH ACCEPT @sic VB e PLMN sic@
36		Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachComplete)		ATTACH COMPLETE

3.7 lt_AttachDetachSteps4_To8 and lt_Steps_10To11

Reason for Change: Since the Detach Type at Setp 8 is ReAttach, UE will ReAttach on same RRC Connection

Summary of change: Removed Line Number 24 and Line number 25 as below

lt_AttachDetachSteps4_To8					
20		+ ts_MM_RegistrationHandleAttachReqP_TMSI (tsc_CellA, px_PTMSI_Def)			Step 4-5. CS registration If UE Operation mode A. Handle the receipt of ATTACH REQ @sic VB Handle Attach req during CS registration sic@
21		Dc ! RRC_DataReq	ca_PS_DataReq (		Step 6. ATTACH ACCEPT

		(tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef, tcv_AssignedTMSI := px_TMSI_Def)	tsc_CellDedicated, tsc_RB3, cs_AttachAcc6 (c_GMM_AttachResultPS_Only , c_RAI_Def_v, c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), c_GMM_MobileIdTMSI (px_TMSI_Def), c_EquivalentPLMN (tcv_CellInfoD.mcc, tcv_CellInfoD.mnc)))		@sic VB e-PLMN sic@
22		Dc ! RRC_DataReq	ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_DetachReqMT (c_DetachTypeReAttRequired))		Step 7. DETACH REQUEST
23		Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_DetachAcc)		Step 8. DETACH ACCEPT
24		~~+ts_RRC_ConnRel(tsc_CellA, cell_Dch)~~			
24		[TRUE]			
lt_Steps_10To11					
25		~~+ts_RRC_ConnEst(tsc_CellA, est_Req, registration)~~			
25		[TRUE]			

3.8 lt_Steps_10To11

Reason for Change: Used Newly defined constraint “car_PS_InitDirectTransfer_12215d”.

Summary of change: Replaced “car_PS_InitDirectTransfer” with “car_PS_InitDirectTransfer_12215d”.

lt_Steps_10To11					
25		[TRUE]			
26		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	~~car_PS_InitDirectTransfer(~~ car_PS_InitDirectTransfer_12215d(tsc_CellDedicated, tsc_RB3, cr_AttachReq (		Step 10. ATTACH REQUEST

			c_GMM_AttachTypePS_Only, c_MobileIdPTMSI_lv_Def, c_RAI_Def_v, tcv_PS_KeySeq))		- Attach type is 'PS attach' - MobileId P-TMSI-1 - RAI-1 - PTMSI-1 signature

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CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1206** ⌘ **rev** **-** ⌘ Current version: **3.8.0** ⌘

*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 P1test case 7.1.2.4a to the MAC ATS v3.7.0
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	30/11/2004
Category:	⌘	**B**
Release:	⌘	Rel-99

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

Use one of the following releases:

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

Reason for change:	⌘	To add the GCF package 1 MAC test case 7.1.2.4a to the approved MAC ATS v3.7.0
Summary of change:	⌘	This document lists all the changes applied to the test case 7.1.2.4a required for approval. See detailed change description for further information..
Consequences if not approved:	⌘	Test case will not be added to the ATS

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

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

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

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

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

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

Title:	**Changes to test case 7.1.2.4a required for approval**
Source:	Racal Instruments Wireless Solutions, an Aeroflex Company
Document for:	Email Approval
Contact:	**Kundan Sehmbey** kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 7.1.2.4a, which is part of MAC iWD_wk42 test suite. Please see section 6 for log information. Changes are made so that it can be executed with one or more 3G UE.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_7_1_2_4a

Test Group: MAC

ATS Version: iWD_wk42

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

UE used: Nokia 3G UE 6630

Verification Status: PASS

4 Corrections required for test case 7.1.2.4a

4.1 Introduction

The TTCN ATS used is MAC iWD_wk42.mp which is part of the iWD-TVB2003-03_D04wk42 release.

4.2 Change 1 - cs_RB_ReconfigFACH_PS_MAC

Reason for change As per prose, expected Sequence step 7, RB reconfiguration should be sent with RB MLP = 1.

Summary of change Created new constraint c_RB_InfoReconfigList20_MAC_priority1, same as constraint c_RB_InfoReconfigList20_MAC but the MAC_LogicalChannelPriority has been changed to 1. Constraint cs_RB_ReconfigFACH_PS_MAC has been modified to use the new constraint.

ASN.1 PDU Constraint Declaration

Constraint Name:

```
cs_RB_ReconfigFACH_PS_MAC (
p_IntegrityInfo : IntegrityCheckInfo ;
p_RRC_Ti: RRC_TransactionIdentifier;
p_Activetime: ActivationTime;
p_FreqInfo: FrequencyInfo;
p_PrimaryScramblingCode : PrimaryScramblingCode
)
```

Group:

PDU Name:

DL_DCCH_Message

Derivation Path:

Encoding Rule Name:

Encoding Variation:

Comments:

Defined in TS 34.123-1 annex A condition A.6 with MAC Priority for RAB assignd as 1.

Constraint Value

```
{
    integrityCheckInfo p_IntegrityInfo,
    message radioBearerReconfiguration : r3 : {
       radioBearerReconfiguration_r3{
             rrc_TransactionIdentifier p_RRC_Ti,
           integrityProtectionModeInfo OMIT,
           cipheringModeInfo OMIT,
           activationTime p_Activetime,
           new_U_RNTI OMIT,
           new_C_RNTI OMIT,
           rrc_StateIndicator cell_FACH,
           utran_DRX_CycleLengthCoeff OMIT,
           cn_InformationInfo OMIT,
           ura_Identity OMIT,
           rab_InformationReconfigList OMIT,
           rb_InformationReconfigList c_RB_InfoReconfigList20_MAC,
           c_RB_InfoReconfigList20_MAC_priority1,
           rb_InformationAffectedList OMIT,
           ul_CommonTransChInfo OMIT,
           ul_deletedTransChInfoList OMIT,
           ul_AddReconfTransChInfoList OMIT,
           modeSpecificTransChInfo fdd:{
               cpch_SetID OMIT,
               addReconfTransChDRAC_Info OMIT
           },
           dl_CommonTransChInfo OMIT,
           dl_DeletedTransChInfoList OMIT,
           dl_AddReconfTransChInfoList OMIT,
           frequencyInfo p_FreqInfo,
           maxAllowedUL_TX_Power tsc_MaxAllowPwr,
           ul_ChannelRequirement OMIT,
           modeSpecificPhysChInfo fdd:{
```

```
                dl_PDSCH_Information OMIT
            },
            dl_CommonInformation OMIT,
            dl_InformationPerRL_List c_DL_InfoPerRL_DCH_OrFACH_ToFACH_PS_MAC(p_PrimaryScramblingCode )
        }
    }
}
```

4.3 Change 2 - c_RB_InfoReconfigList20_MAC_priority1

Reason for change As per prose, expected Sequence step 7, RB reconfiguration should be sent with RB MLP = 1.

Summary of change Created new constraint c_RB_InfoReconfigList20_MAC_priority1, same as constraint c_RB_InfoReconfigList20_MAC but the MAC_LogicalChannelPriority has been changed to 1.

ASN.1 Type Constraint Declaration

Constraint Name:

c_RB_InfoReconfigList20_MAC_priority1

Group:

Type Name:

RB_InformationReconfigList

Derivation Path:

Encoding Variation:

Comments:

SRB1 to SRB4 and RB20 With MLP for RAB mapped on RACH reconfigured to 1

Constraint Value

```
{
   {
      rb_Identity tsc_RB1,
      pdcp_Info OMIT,
      pdcp_SN_Info OMIT,
      rlc_Info OMIT,
      rb_MappingInfo OMIT,
      rb_StopContinue OMIT
   },
   {
      rb_Identity tsc_RB2,
      pdcp_Info OMIT,
      pdcp_SN_Info OMIT,
      rlc_Info OMIT,
      rb_MappingInfo OMIT,
      rb_StopContinue OMIT
   },
   {
      rb_Identity tsc_RB3,
      pdcp_Info OMIT,
      pdcp_SN_Info OMIT,
      rlc_Info OMIT,
      rb_MappingInfo OMIT,
      rb_StopContinue OMIT
   },
   {
      rb_Identity tsc_RB4,
      pdcp_Info OMIT,
      pdcp_SN_Info OMIT,
      rlc_Info OMIT,
      rb_MappingInfo OMIT,
      rb_StopContinue OMIT
   },
   {
      rb_Identity tsc_RB20,
      pdcp_Info OMIT,
      pdcp_SN_Info OMIT,
      rlc_Info OMIT,
      rb_MappingInfo --@sic Draft CR sic@
                     {
                     { --RB_MappingInfo
                       ul_LogicalChannelMappings oneLogicalChannel:{ --UL_LogicalChannelMapping,
                         ul_TransportChannelType dch : tsc_UL_DCH1,
                         logicalChannelIdentity OMIT,
                         rlc_SizeList configured : NULL,
                         mac_LogicalChannelPriority 1
                       } ,
                       dl_LogicalChannelMappingList {{
```

```
                dl_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 1
            } ,
            dl_LogicalChannelMappingList {{
                dl_TransportChannelType fach : NULL,
                logicalChannelIdentity tsc_DL_DTCH1
            }}
          }
}
}
}
```

4.4 Change 3 - ts_ReceiveLoopBackDataAndCheckASC

Reason for change

1. RLC_AM_TestDataInd should be received on Cell Dedicated (-1) instead of default Cell (0).
2. A small delay (200 ms) has been introduced to handle the CPHY_PRACH_Measurement_Report_IND received due to the RLC control PDUs on RACH. Not having this delay will make the CPHY_PRACH_Measurement_Report_IND received in the main test case table and test case will fail as it is not expected in the default there.

Summary of change

1. Changed cell Id to tsc_CellDedicated instead of tsc_DefaultCellId at all instance of constraint car_RLC_AM_DataInd in test step ts_ReceiveLoopBackDataAndCheckASC.
2. Introduced a delay of 200 ms at the end of all local execution paths of the test step ts_ReceiveLoopBackDataAndCheckASC.

Test Step

Test Step Id:

ts_ReceiveLoopBackDataAndCheckASC (p_RBId : INTEGER; p_ASC : BITSTRING; p_Data1, p_Data2 : PDU)

Test Step Group Ref:

General/

Objective:

To Receive the Loopbacked User Data by the Ue and check the validity of the Access slot and hence the ASC selected by the UE.

Defaults:

MAC_PRACH_MeasRecDef,MAC_Default

Comments:

Nr

Label

Behaviour Description

Constraint Ref

Verdict

Comments

1

[p_ASC = '0010'B]

2

+ ts_GetPRACH_PreambleMeasuremntReportInDefaultCell

3

[(0 <= tcv_PRACH_PreambleSigUsed) AND (tcv_PRACH_PreambleSigUsed <= 7) AND
((tcv_PRACH_AccessSlotUsed = 1) OR (tcv_PRACH_AccessSlotUsed = 4) OR (tcv_PRACH_AccessSlotUsed = 7) OR (tcv_PRACH_AccessSlotUsed = 10) OR
(tcv_PRACH_AccessSlotUsed = 13))]

4

(tcv_PRACH_ExpAccessSlot := ((tcv_PRACH_AccessSlotUsed + 3) MOD 15))

5

CPHY ? CPHY_PRACH_Measurement_Report_IND
(tcv_PRACH_AccessSlotUsed := CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot)

car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, cs_PRACH_MsgMeasRep)

6

[(tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]

7

AM ? RLC_AM_TestDataInd

car_RLC_AM_DataInd (~~tsc_DefaultCellId,~~ tsc_CellDedicated, p_RBId, p_Data1)

8

START t_Dly(200)

9

?TIMEOUT t_Dly

10

[TRUE]

(F)

If incorrect ACCESS class used

11

AM ? RLC_AM_TestDataInd

car_RLC_AM_DataInd (~~tsc_DefaultCellId,~~ tsc_CellDedicated, p_RBId, p_Data1)

12

CPHY ? CPHY_PRACH_Measurement_Report_IND
(tcv_PRACH_AccessSlotUsed := CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot)

car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, cs_PRACH_MsgMeasRep)

13

[(tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]

14

START t_Dly(200)

15

?TIMEOUT t_Dly

16

[TRUE]

(F)

If incorrect ACCESS class used

17

[TRUE]

(F)

If incorrect ACCESS class used

18

[p_ASC = '0001'B]

19

+ ts_GetPRACH_PreambleMeasuremntReportInDefaultCell

Preamble measeremnt received first.

20

[(0 <= tcv_PRACH_PreambleSigUsed) AND (tcv_PRACH_PreambleSigUsed <= 7) AND
((tcv_PRACH_AccessSlotUsed = 0) OR (tcv_PRACH_AccessSlotUsed = 3) OR (tcv_PRACH_AccessSlotUsed = 6) OR (tcv_PRACH_AccessSlotUsed = 9) OR
(tcv_PRACH_AccessSlotUsed = 12))]

21

(tcv_PRACH_ExpAccessSlot := ((tcv_PRACH_AccessSlotUsed + 3) MOD 15))

22

CPHY ? CPHY_PRACH_Measurement_Report_IND
(tcv_PRACH_AccessSlotUsed := CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot)

car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, cs_PRACH_MsgMeasRep)

Data1, dat2 and Message measurement any order but data1 will come before data 2 due to insequence delivery

23

[(tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]

24

AM ? RLC_AM_TestDataInd

car_RLC_AM_DataInd (~~tsc_DefaultCellId,~~ tsc_CellDedicated, p_RBId, p_Data1)

25

AM ? RLC_AM_TestDataInd

car_RLC_AM_DataInd (~~tsc_DefaultCellId,~~ tsc_CellDedicated, p_RBId, p_Data2)

26

START t_Dly(200)

27

?TIMEOUT t_Dly

28

[TRUE]

(F)

If incorrect ACCESS class used

29

AM ? RLC_AM_TestDataInd

car_RLC_AM_DataInd (~~tsc_DefaultCellId,~~ tsc_CellDedicated, p_RBId, p_Data1)

30

CPHY ? CPHY_PRACH_Measurement_Report_IND
(tcv_PRACH_AccessSlotUsed := CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot)

car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, cs_PRACH_MsgMeasRep)

31

[(tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]

32

AM ? RLC_AM_TestDataInd

car_RLC_AM_DataInd (~~tsc_DefaultCellId,~~ tsc_CellDedicated, p_RBId, p_Data2)

33

START t_Dly(200)

34

?TIMEOUT t_Dly

35

[TRUE]

(F)

If incorrect ACCESS class used

36

AM ? RLC_AM_TestDataInd

car_RLC_AM_DataInd (~~tsc_DefaultCellId,~~ tsc_CellDedicated, p_RBId, p_Data2)

37

CPHY ? CPHY_PRACH_Measurement_Report_IND
(tcv_PRACH_AccessSlotUsed := CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot)

car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, cs_PRACH_MsgMeasRep)

38

[(tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]

39

START t_Dly(200)

40

?TIMEOUT t_Dly

41

[TRUE]

(F)

If incorrect ACCESS class used

42

[TRUE]

(F)

If incorrect ACCESS class used

43

[TRUE]

(I)

4.5 Change 4 - MAC_PRACH_MeasRecDef

Reason for change Test step should also handle the PRACH Measurements for Access Service Class ‘0001’. Currenty default will result in fail verdict for this case.

Summary of change Introduced relevant checks for ASC = ‘0001’ case in default step MAC_PRACH_MeasRecDef.

Default

Default Id:

MAC_PRACH_MeasRecDef

Default Group Ref:

Objective:

Comments:

Nr

Label

Behaviour Description

Constraint Ref

Verdict

Comments
1 CPHY ? CPHY_PRACH_Measurement_Report_IND (tcv_PRACH_PreambleSigUsed :=CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_Signature , tcv_PRACH_AccessSlotUsed :=CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot) car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, cs_PRACH_PreamMeasRep)
2 [(0 <= tcv_PRACH_PreambleSigUsed) AND (tcv_PRACH_PreambleSigUsed <= 7) AND ((tcv_PRACH_AccessSlotUsed = 1) OR (tcv_PRACH_AccessSlotUsed = 4) OR (tcv_PRACH_AccessSlotUsed = 7) OR (tcv_PRACH_AccessSlotUsed = 10) OR (tcv_PRACH_AccessSlotUsed = 13))]
3 (tcv_PRACH_ExpAccessSlot := ((tcv_PRACH_AccessSlotUsed + 3) MOD 15))
4 RETURN
5 [(0 <= tcv_PRACH_PreambleSigUsed) AND (tcv_PRACH_PreambleSigUsed <= 7) AND ((tcv_PRACH_AccessSlotUsed = 0) OR (tcv_PRACH_AccessSlotUsed = 3) OR (tcv_PRACH_AccessSlotUsed = 6) OR (tcv_PRACH_AccessSlotUsed = 9) OR (tcv_PRACH_AccessSlotUsed = 12))]
6 (tcv_PRACH_ExpAccessSlot := ((tcv_PRACH_AccessSlotUsed + 3) MOD 15))
7

RETURN

8

CPHY ? CPHY_PRACH_Measurement_Report_IND
(tcv_PRACH_AccessSlotUsed := CPHY_PRACH_Measurement_Report_IND.measurementReport.usedPRACH_AcessSlot)

car_PRACH_Measurement_Report_IND (tsc_DefaultCellId, tsc_PRACH1, cs_PRACH_MsgMeasRep)

9

[(tcv_PRACH_AccessSlotUsed = tcv_PRACH_ExpAccessSlot)]

(P)

Difference of 3 access slot match

10

RETURN

11

[TRUE]

(F)

The Difference of 3 access slot does not match

12

RETURN

5 Branches executed in test case 7.1.2.4a

Test case was executed with pc_CS=TRUE, pc_PS=TRUE in the CS and PS domain.

6 Execution Log Files

The Nokia 3G UE 6630 has been used and test case passed on the Racal Instruments Wireless Solution 6401 AIME/CT Test platform. Log of the successful test case execution is enclosed in T1s040759[2].

7 References

[1]	MAC iWD_wk42.mp
[2]	T1s040759 [2].zip Attachment containing the successful log.

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Tdoc ⌘T1s040746

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1207 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

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

Title:	⌘	Addition of GCF P2 test cases 6.2.1.7 to IR_U ATS v3.7.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	26/11/04
Category:	⌘	**B**
Release:	⌘	R99

Use one of the following categories:
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D *(editorial modification)*
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Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 IR_U test case 6.2.1.7 to the approved IR_U ATS V3.7.0
Summary of change:	⌘	This document lists all changes applied to test case 6.2.1.7 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG-T1 E-Mail 2004 **T1s040746**
01 Jan - 31 Dec 2004

Title: **Changes to test case 6.2.1.7 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case case 6.2.1.7, which are part of the IR_U test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case: tc_6_2_1_7

Test Group: IR_U/DualIdleMode

ATS Version: iWD-TVB2003-03_D04wk47 + essential modifications

System Simulator used: **Anite MultiRAT CT**

UE used: Nokia 6630, Qualcomm 6250

Verification Status: PASS

4 Corrections required for test case 6.2.1.7

4.1 Introduction

This section describes the changes required to make test case 6.2.1.7 run correctly with a 3G UE. The ATS version used as basis was IR_U_wk47.mp, which is part of the iWD-TVB2003-03_D04wk47 release.

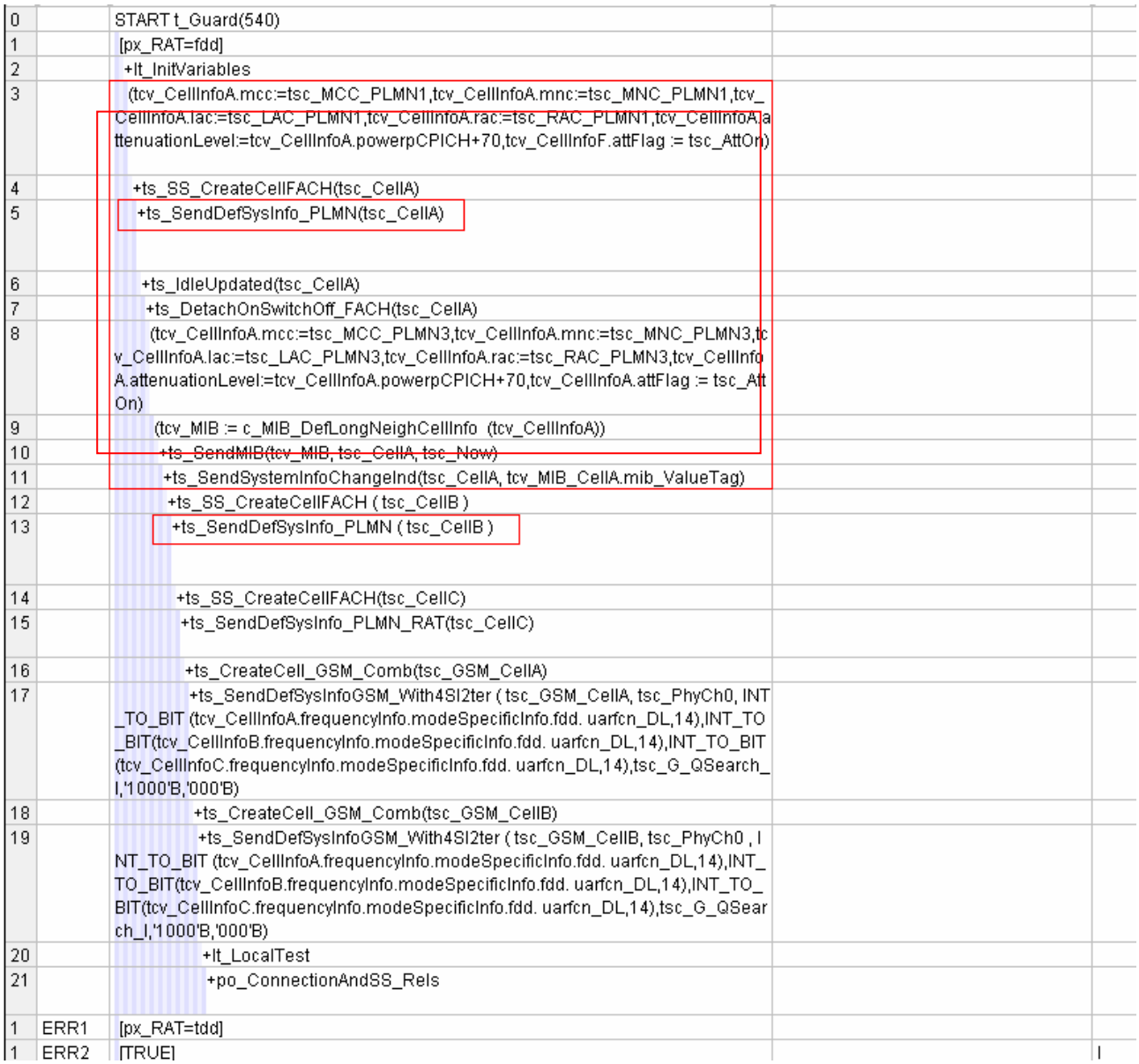
4.2 Change 1

Local Tree and Test step	Preamble
Reason for change	1) For automation purposes and to ensure that the test case is run according to prose, a initial step is introduced to ensure that the EF-LOCI field of the USIM is updated to PLMN1 before running the test body. 2) According to prose, the neighbouring cell list should not contain any other cell belonging to the same PLMN. However, Sib11 of Cell1 indicates Cell2 on interRATCellInfoList and Sib11 of Cell3 indicates Cell4 on interRATCellInfoList.
Summary of change	1) During preamble, a UTRAN Cell is created using PLMN1 parameters. The UE is switched on and goes on to IDLE UPDATED state on that cell. Then the UE is switched off and the cell created changes its MCC-MNC-LA-RA parameters to those of PLMN3. 2) Use existing test step for UTRAN only idle mode test cases ts_SendDefSysInfo_PLMN instead of ts_SendDefSysInfo_PLMN_RAT.
Source of change	New change.

Before:

...	La...	Behaviour Description	Constraint Ref	...
1		START t_Guard(540)		
2		[px_RAT=fdd]		
3		+lt_InitVariables		
4		+ts_SS_CreateCellFACH(tsc_CellA)		
5		+ts_SendDefSysInfo_PLMN_RAT(tsc_CellA)		
6		+ts_SS_CreateCellFACH (tsc_CellB)		
7		+ts_SendDefSysInfo_PLMN_RAT (tsc_CellB)		
8		+ts_SS_CreateCellFACH(tsc_CellC)		
9		+ts_SendDefSysInfo_PLMN_RAT(tsc_CellC)		
10		+ts_CreateCell_GSM_Comb(tsc_GSM_CellA)		
11		+ts_SendDefSysInfoGSM_With4SI2ter (tsc_GSM_CellA, tsc_PhyCh0, INT_TO_BIT (tcv_CellInfoA.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoB.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoC.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),tsc_G_QSearch_I,'1000'B,'000'B)		
12		+ts_CreateCell_GSM_Comb(tsc_GSM_CellB)		
13		+ts_SendDefSysInfoGSM_With4SI2ter (tsc_GSM_CellB, tsc_PhyCh0 , INT_TO_BIT (tcv_CellInfoA.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoB.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoC.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),tsc_G_QSearch_I,'1000'B,'000'B)		
14		+lt_LocalTest		
15		+po_ConnectionAndSS_Rels		
16	ERR1	[px_RAT=tdd]		
17	ERR2	[TRUE]		

After:



0		START t_Guard(540)
1		[px_RAT=fdd]
2		+lt_InitVariables
3		(tcv_CellInfoA.mcc:=tsc_MCC_PLMN1,tcv_CellInfoA.mnc:=tsc_MNC_PLMN1,tcv_CellInfoA.lac:=tsc_LAC_PLMN1,tcv_CellInfoA.rac:=tsc_RAC_PLMN1,tcv_CellInfoA.attenuationLevel:=tcv_CellInfoA.powerpCPICH+70,tcv_CellInfoF.attFlag := tsc_AttOn)
4		+ts_SS_CreateCellFACH(tsc_CellA)
5		+ts_SendDefSysInfo_PLMN(tsc_CellA)
6		+ts_IdleUpdated(tsc_CellA)
7		+ts_DetachOnSwitchOff_FACH(tsc_CellA)
8		(tcv_CellInfoA.mcc:=tsc_MCC_PLMN3,tcv_CellInfoA.mnc:=tsc_MNC_PLMN3,tcv_CellInfoA.lac:=tsc_LAC_PLMN3,tcv_CellInfoA.rac:=tsc_RAC_PLMN3,tcv_CellInfoA.attenuationLevel:=tcv_CellInfoA.powerpCPICH+70,tcv_CellInfoA.attFlag := tsc_AttOn)
9		(tcv_MIB := c_MIB_DefLongNeighCellInfo (tcv_CellInfoA))
10		+ts_SendMIB(tcv_MIB, tsc_CellA, tsc_Now)
11		+ts_SendSystemInfoChangeInd(tsc_CellA, tcv_MIB_CellA.mib_ValueTag)
12		+ts_SS_CreateCellFACH (tsc_CellB)
13		+ts_SendDefSysInfo_PLMN (tsc_CellB)
14		+ts_SS_CreateCellFACH(tsc_CellC)
15		+ts_SendDefSysInfo_PLMN_RAT(tsc_CellC)
16		+ts_CreateCell_GSM_Comb(tsc_GSM_CellA)
17		+ts_SendDefSysInfoGSM_With4SI2ter (tsc_GSM_CellA, tsc_PhyCh0, INT_TO_BIT (tcv_CellInfoA.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoB.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT (tcv_CellInfoC.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),tsc_G_QSearch_I,'1000'B,'000'B)
18		+ts_CreateCell_GSM_Comb(tsc_GSM_CellB)
19		+ts_SendDefSysInfoGSM_With4SI2ter (tsc_GSM_CellB, tsc_PhyCh0 , INT_TO_BIT (tcv_CellInfoA.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoB.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoC.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),tsc_G_QSearch_I,'1000'B,'000'B)
20		+lt_LocalTest
21		+po_ConnectionAndSS_Rels
1	ERR1	[px_RAT=tdd]
1	ERR2	[TRUE]

4.3 Change 2

Local Tree and Test step	ts_G_LocationUpdate
Reason for change	The GPRS Suspension Request message may optionally be sent by the UE, but is not expected in ts_G_LocationUpdate.
Summary of change	Created new test step ts_G_ReceiveOptSuspend_mod and the same is after line 2 in ts_G_LocationUpdate. Note: Ts_G_ReceiveOptSuspend only supports the reception of the GPRS suspend message on GSM Cell A. The new test step is a modification where the cell Id where this message is expected is passed as a parameter.
Source of change	Similar to T1s040536 change label WA#2G3RRC0337.

Before:

...	Label	Behaviour Description	Constraint Ref	V...
0		+ts_G_SetTmpCellConfigInfo (p_CellId)		
1		+ts_G_RR_Con_Est (p_CellId)		
2		+ts_G_Loc_UpdatingRequest (p_CellId)		
3		+ts_G_Authentication (p_CellId)		
4		+ts_G_Ciphering_Mode_Setting (p_CellId, tsc_PhyCh0)		
5		+ts_G_Loc_UpdatingAccept (p_CellId)		
6		+ts_G_ChannelRelease (p_CellId, tsc_PhyCh0)		

After:

...	Label	Behaviour Description	Constraint Ref	V...
0		+ts_G_SetTmpCellConfigInfo (p_CellId)		
1		+ts_G_RR_Con_Est (p_CellId)		
2		+ts_G_Loc_UpdatingRequest (p_CellId)		
3		+ts_G_ReceiveOptSuspend_mod(p_CellId, tsc_PhyCh0, 4)		
4		+ts_G_Authentication (p_CellId)		
5		+ts_G_Ciphering_Mode_Setting (p_CellId, tsc_PhyCh0)		
6		+ts_G_Loc_UpdatingAccept (p_CellId)		
7		+ts_G_ChannelRelease (p_CellId, tsc_PhyCh0)		

New Test Step:

Test Step	
Test Step Id:	ts_G_ReceiveOptSuspend_mod(p_CellId : CellId ; p_PhyId :PhysicalChId ; p_LogType :G_LogicChType)
Test Step Group Ref:	M_RAT_HO_GSM_Specific/
Objective:	This step waits for some time to receive the Suspend Message from UE
Defaults:	IntersystemGPRS
Comments:	@sic T1s040638 sic@

...	Label	Behaviour Description	Constraint Ref	V...
0		START t_WaitS(5)		
1	TBP1	G_L2 ? G_L2_DATA_IND CANCEL t_WaitS	cr_G_L2_DATA_IND (p_CellId, 0, p_PhyId, p_LogType ,?, ? , cr_GPRS_SUSPENSIONREQ(?,?,?))	(P)
1		? TIMEOUT t_WaitS		(P)

Branches executed in test case 6.2.1.7

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

5 Execution Log Files

5.1 Nokia 3G UE 6630

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

5.2 Qualcomm 3G UE 6250

The Qualcomm 6250 passed this test case on the Anite MultiRAT CT system. The documentation below is enclosed as evidence of the successful test case run [2]:

6 References

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

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

Tdoc ⌘T1s040748

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1208 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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 cases 6.2.1.8 to IR_U ATS v3.7.0
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	26/11/04
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 IR_U test case 6.2.1.8 to the approved IR_U ATS V3.7.0
Summary of change:	⌘	This document lists all changes applied to test case 6.2.1.8 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG-T1 E-Mail 2004 **T1s040748**
01 Jan - 31 Dec 2004

Title: **Changes to test case 6.2.1.8 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case case 6.2.1.8, which are part of the IR_U test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case: tc_6_2_1_8

Test Group: IR_U/DualIdleMode

ATS Version: iWD-TVB2003-03_D04wk47 + essential modifications

System Simulator used: **Anite MultiRAT CT**

UE used: Nokia 6630, Qualcomm 6250

Verification Status: PASS

4 Corrections required for test case 6.2.1.8

4.1 Introduction

This section describes the changes required to make test case 6.2.1.8 run correctly with a 3G UE. The ATS version used as basis was IR_U_wk47.mp, which is part of the iWD-TVB2003-03_D04wk47 release.

4.2 Change 1

Local Tree and Test step	Preamble
Reason for change	1) For automation purposes and to ensure that the test case is run according to prose, a initial step is introduced to ensure that the EF-LOCI field of the USIM is updated to PLMN1 before running the test body. 2) The previous changes makes necessary increasing the guard timer. 3) According to prose, the neighbouring cell list should not contain any other cell belonging to the same PLMN. However, Sib11 of Cell1 indicates Cell2 on interRATCellInfoList and Sib11 of Cell3 indicates Cell4 on interRATCellInfoList.
Summary of change	1) During preamble, a UTRAN Cell is created using PLMN1 parameters. The UE is switched on and goes on to IDLE UPDATED state on that cell. Then the UE is switched off and the cell created changes its MCC-MNC-LA-RA parameters to those of PLMN3. 2) Increase the guard timer to 540 seconds. 3) Use existing test step for UTRAN only idle mode test cases ts_SendDefSysInfo_PLMN instead of ts_SendDefSysInfo_PLMN_RAT.
Source of change	New change.

Before:

...	La...	Behaviour Description	Constraint Ref	...
1		START t_Guard		
2		[px_RAT=fdd]		
3		+lt_InitVariables		
4		+ts_SS_CreateCellFACH(tsc_CellA)		
5		+ts_SendDefSysInfo_PLMN_RAT(tsc_CellA)		
6		+ts_SS_CreateCellFACH(tsc_CellB)		
7		+ts_SendDefSysInfo_PLMN_RAT(tsc_CellB)		
8		+ts_SS_CreateCellFACH(tsc_CellC)		
9		+ts_SendDefSysInfo_PLMN_RAT(tsc_CellC)		
10		+ts_CreateCell_GSM_Comb(tsc_GSM_CellA)		
11		+ts_SendDefSysInfoGSM_With4SI2ter(tsc_GSM_CellA,tsc_PhyCh0, INT_TO_BIT (tcv_CellInfoA.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoB.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoC.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),tsc_G_QSearch_I,'1000'B,'000'B)		
12		+ts_CreateCell_GSM_Comb(tsc_GSM_CellB)		
13		+ts_SendDefSysInfoGSM_With4SI2ter(tsc_GSM_CellB,tsc_PhyCh0, INT_TO_BIT (tcv_CellInfoA.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoB.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoC.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),tsc_G_QSearch_I,'1000'B,'000'B)		
14		+lt_LocalTest		
15		+po_ConnectionAndSS_Rels		
16	ERR1	[px_RAT=tdd]		
17	ERR2	[TRUE]		

After:

...	Label	Behaviour Description	Constraint Ref	V...
0		START t_Guard(540)		
1		[px_RAT=fdd]		
2		+lt_InitVariables		
3		(tcv_CellInfoA.mcc:=tsc_MCC_PLMN1,tcv_CellInfoA.mnc:=tsc_MNC_PLMN1,tcv_CellInfoA.lac:=tsc_LAC_PLMN1,tcv_CellInfoA.rac:=tsc_RAC_PLMN1,tcv_CellInfoA.attenuationLevel:=tcv_CellInfoA.powerpCPICH+70,tcv_CellInfoF.attFlag := tsc_AttOn)		
4		+ts_SS_CreateCellFACH(tsc_CellA)		
5		+ts_SendDefSysInfo_PLMN(tsc_CellA)		
6		+ts_IdleUpdated(tsc_CellA)		
7		+ts_DetachOnSwitchOff_FACH(tsc_CellA)		
8		(tcv_CellInfoA.mcc:=tsc_MCC_PLMN5,tcv_CellInfoA.mnc:=tsc_MNC_PLMN5,tcv_CellInfoA.lac:=tsc_LAC_PLMN5,tcv_CellInfoA.rac:=tsc_RAC_PLMN5,tcv_CellInfoA.attenuationLevel:=tcv_CellInfoA.powerpCPICH+70,tcv_CellInfoA.attFlag := tsc_AttOn)		
9		(tcv_MIB := c_MIB_DefLongNeighCellInfo (tcv_CellInfoA))		
10		+ts_SendMIB(tcv_MIB, tsc_CellA, tsc_Now)		
11		+ts_SendSystemInfoChangeInd(tsc_CellA, tcv_MIB_CellA.mib_ValueTag)		
12		+ts_SS_CreateCellFACH(tsc_CellB)		
13		+ts_SendDefSysInfo_PLMN (tsc_CellB)		
14		+ts_SS_CreateCellFACH(tsc_CellC)		
15		+ts_SendDefSysInfo_PLMN_RAT(tsc_CellC)		
16		+ts_CreateCell_GSM_Comb(tsc_GSM_CellA)		
17		+ts_SendDefSysInfoGSM_With4SI2ter(tsc_GSM_CellA,tsc_PhyCh0, INT_TO_BIT (tcv_CellInfoA.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoB.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoC.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),tsc_G_QSearch_I,'1000'B,'000'B)		
18		+ts_CreateCell_GSM_Comb(tsc_GSM_CellB)		
19		+ts_SendDefSysInfoGSM_With4SI2ter(tsc_GSM_CellB,tsc_PhyCh0, INT_TO_BIT (tcv_CellInfoA.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoB.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),INT_TO_BIT(tcv_CellInfoC.frequencyInfo.modeSpecificInfo.fdd. uarfcn_DL,14),tsc_G_QSearch_I,'1000'B,'000'B)		
20		+lt_LocalTest		
21		+po_ConnectionAndSS_Rels		
1	ERR1	[px_RAT=tdd]		
1	ERR2	[TRUE]		I

4.3 Change 2

Local Tree and Test step	ts_G_LocationUpdate
Reason for change	The GPRS Suspension Request message may optionally be sent by the UE, but is not expected in ts_G_LocationUpdate.
Summary of change	Created new test step ts_G_ReceiveOptSuspend_mod and the same is after line 2 in ts_G_LocationUpdate. Note: Ts_G_ReceiveOptSuspend only supports the reception of the GPRS suspend message on GSM Cell A. The new test step is a modification where the cell Id where this message is expected is passed as a parameter.
Source of change	Similar to T1s040536 change label WA#2G3RRC0337.

Before:

...	Label	Behaviour Description	Constraint Ref	V...
0		+ts_G_SetTmpCellConfigInfo (p_CellId)		
1		+ts_G_RR_Con_Est (p_CellId)		
2		+ts_G_Loc_UpdatingRequest (p_CellId)		
3		+ts_G_Authentication (p_CellId)		
4		+ts_G_Ciphering_Mode_Setting (p_CellId, tsc_PhyCh0)		
5		+ts_G_Loc_UpdatingAccept (p_CellId)		
6		+ts_G_ChannelRelease (p_CellId, tsc_PhyCh0)		

After:

...	Label	Behaviour Description	Constraint Ref	V...
0		+ts_G_SetTmpCellConfigInfo (p_CellId)		
1		+ts_G_RR_Con_Est (p_CellId)		
2		+ts_G_Loc_UpdatingRequest (p_CellId)		
3		+ts_G_ReceiveOptSuspend_mod(p_CellId, tsc_PhyCh0, 4)		
4		+ts_G_Authentication (p_CellId)		
5		+ts_G_Ciphering_Mode_Setting (p_CellId, tsc_PhyCh0)		
6		+ts_G_Loc_UpdatingAccept (p_CellId)		
7		+ts_G_ChannelRelease (p_CellId, tsc_PhyCh0)		

New Test Step:

Test Step	
Test Step Id:	ts_G_ReceiveOptSuspend_mod(p_CellId : CellId ; p_PhyId :PhysicalChId ; p_LogType :G_LogicChType)
Test Step Group Ref:	M_RAT_HO_GSM_Specific/
Objective:	This step waits for some time to receive the Suspend Message from UE
Defaults:	IntersystemGPRS
Comments:	@sic T1s040638 sic@

...	Label	Behaviour Description	Constraint Ref	V...
0		START t_WaitS(5)		
1	TBP1	G_L2 ? G_L2_DATA_IND CANCEL t_WaitS	cr_G_L2_DATA_IND (p_CellId, 0, p_PhyId, p_LogType ,?, ? , cr_GPRS_SUSPENSIONREQ(?,?,?))	(P)
1		? TIMEOUT t_WaitS		(P)

5 Branches executed in test case 6.2.1.8

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 6630

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

6.2 Qualcomm 3G UE 6250

The Qualcomm 6250 passed this test case on the Anite MultiRAT CT system. The documentation below is enclosed as evidence of the successful test case run [2]:

7 References

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

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

Tdoc ⌘T1s040701

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** 1209 ⌘ **rev** - ⌘ Current version: **3.8.0** ⌘

*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:	⌘	Changes to GCF package 2 IR_U test case 8.3.9.1 required for approval.
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	08/11/04
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 IR_U test case 8.3.9.1 to the approved IR_U ATS V3.7.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.9.1 required for approval.
Consequences if not approved:	⌘	The test case will not be added to the ATS.

Clauses affected:	⌘	N/A

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

Other comments:	⌘	

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

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

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

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

Title: **Changes to test case 8.3.9.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Holger Jauch
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1 Overview

This document is a CR on test case 8.3.9.1. It lists all the changes needed to correct detected problems in the TTCN implementation of test case 8.3.9.1 which is part of the IR_U test suite.

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

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_3_9_1

Test Group: CellReselection/

ATS Version: IR_U_wk42.mp

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

UE used: Nokia 6630

Verification Status: PASS

4 Corrections required for test case 8.3.9.1

4.1 Introduction

This CR presents corrections on CellReselection test case tc_8_3_9_1 required for approval.

The ATS enclosed in T1s040702 [1] contains the modifications of test case tc_8_3_9_1 described in this document.

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

a) There is one new TTCN object proposed (marked 'New' in the ATS Reference in Annex A).

b) Some changes on existing objects have been described in previous CR T1s040615 [3]. They are listed in Table 2.

c) All other changes on existing objects are explicitly described in this CR.

Annex A contains a table listing all change label/affected object combinations applicable to tc_8_3_9_1.

4.2 Presentation of the modifications

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

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

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

Table 1: Example Change Table

TTCN object	*tc_8_3_9_1*
Reference ATS	***IR_U_wk42.mp [2]***
Change Label	*WA#2G3RRC0110*
Reason for change	*<Textual description of change reason>.*
Summary of change	*<Textual description of performed changes>*
Other affected objects	*<GOTO fields to other change descriptions>* (optional)
ETSI comment	
R&S conclusion	

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

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

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

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

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

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

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

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

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

4.3 Modifications inside the tc_8_3_9_1 behaviour table

TTCN object	tc_8_3_9_1
Reference ATS	IR_U_wk42.mp [2]
Change Label	WA#2G3RRC0455
Reason for change	The Guard timer expires during a normal test run.
Summary of change	Change the timeout value of the guard timer to 420 s.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0456
Reason for change	In lt_SSconfigToInitialState the UE is switched off before powering down the GSM cells. So the UE sends an unexpected RACH on the GSM cell trying to perform a Detach.
Summary of change	Moved ts_MMI_UE_PwrOff after the powering down of the GSM cells.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0457
Reason for change	In lt_SSconfigToInitialState the contents of SIB3 and SIB4 are changed but the MAC layer in the system is not informed so it keeps on sending the old SIB3 and 4.
Summary of change	Add ts_SysInfoModifySIB3_And4_RRC_83x after the change in SIB3 and 4.
Other affected objects	
ETSI comment	
Change Label	WA#2G3RRC0458
Reason for change	In lt_SSconfigToInitialState and lt_LocalTest the power level of the GSM cells is changed but the Layer 1 in the system is not informed of this change.
Summary of change	Add ts_GSM_SetChPowerLevel after the change in the power level.
Other affected objects	
ETSI comment	
R&S conclusion	

Test Case

Test Case Id:	tc_8_3_9_1
Test Group Reference:	CellReselection/
Purpose:	1.To verify that the UE performs reselection from UTRAN to GPRS in state cell_FACH on the following occasions - Seving cell becomes barred. - S < 0 for serving cell. 2. To verify when the UE has succeeded in reselecting a cell in the target radio access technology and has initiated the establishment of a connection, it shall release all UTRAN specific resources.
Configuration:	
Defaults:	IntersystemGPRS
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	V..	Comments
1		START t_Guard(420)			WA#2G3RRC0455
2		[px_RAT = fdd]			FDD specific behaviour
3		+lt_InitVariables			
4		+ts_SS_CreateCellFACH (tsc_CellA)			
5		+ts_SendDefSysInfo_SpecialSIB3AndSIB4(tsc_CellA)			Sends the default system information in Cell A
6		+ts_SendModifiedSysInfoSIB11_12(tsc_CellA)			Send interRAT system information
7		+lt_Create_GPRS_GSM_Cells			Create GPRS cell A and GSM cell B
8	TBS	(tcv_TestBody := TRUE)			
9		REPEAT lt_LocalTest UNTIL [tcv_ISHO_SubtestCounter = 2]			
10	TBE	(tcv_TestBody := FALSE)		(P)	
11		+ lt_Postamble			
12	ERR1	[px_RAT = fdd]		(I)	
13	ERR2	[TRUE]		(I)	
lt_LocalTest					
14		+ts_IdleUpdated(tsc_CellA)			Idle Update and bring UE to CELL_FACH state and release the connection again
15		+ts_G_UpdateCellInfoPowerLevel (tsc_GSM_CellA, tsc_ChPwrLvl_75dBm)			Set the power level of GPRS cell 1 to -75 dBm
16		+ts_G_UpdateCellInfoPowerLevel (tsc_GSM_CellB, tsc_ChPwrLvl_85dBm)			Set the power level of GSM cell 2 to -85 dBm
17		+ts_GSM_SetChPowerLevel(tsc_GSM_CellA, tsc_PhyCh0, tsc_ChPwrLvl_75dBm)			WA#2G3RRC0458
18		+ts_GSM_SetChPowerLevel(tsc_GSM_CellB, tsc_PhyCh0 , tsc_ChPwrLvl_85dBm)			WA#2G3RRC0458
19		+ts_AT_InitConnection (tsc_CellA)			
20		+ ts_RRC_ConnEstPS_MO_P5_P6 (tsc_CellA)			

21		+ ts_RRC_NAS_SessionActPS_MO_P9_P10 (tsc_CellA)			
22		+ ts_RRC_RAB_EstPS_MO_P13_P14 (tsc_CellA)			
23		(tcv_ISHO_SubtestCounter := tcv_ISHO_SubtestCounter + 1)			
24		+It_SubTest			
25		+ts_ReceiveRACHForTBF_SendIAR(tsc_GSM_CellA, tsc_TReselectionTimer)			step g
26		+It_PagingType2			step f
27		+It_SSconfigToInitialState			
It_InitVariables					
28		+ts_RRC_InitVariablesPS(cell_FACH)			
29		+ts_GSM_InitVariablesAllBands			Initialises the Variables dependin g on the GSM Band under usage.
30		+ts_GSM_InitVariablesSpecific40			
31		+ts_GPRS_InitVariablesDef			
32		+ts_GSM_InitVariables_CellB			
33		(tcv_G_CellInfoA.rXLEV_ACCESS_MIN := '001101'B, tcv_G_CellInfoB.rXLEV_ACCESS_MIN := '001101'B)			
34		+ts_G_UpdateCellInfoPowerLevel (tsc_GSM_CellA, tsc_ChPwrLvl_Off)			Set the power level of GPRS cell 1 off to start with
35		+ts_G_UpdateCellInfoPowerLevel (tsc_GSM_CellB, tsc_ChPwrLvl_Off)			Set the power level of GSM cell 2o ff to start with
36		(tcv_IdleSIB11_CellA := c_SIB11_3_Intra3_Inter2_InterRAT_Def (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_G_CellInfoA, tcv_G_CellInfoB), tcv_IdleSIB12_CellA := c_SIB12_3_Intra3_Inter2_InterRAT_Def (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_G_CellInfoA, tcv_G_CellInfoB))			System information for InterRAT GSM, GPRS cells.
37		(tcv_CellInfoA.lac := '0080'O, tcv_CellInfoA.rac := '00'O)			@sic T1-041129 sic@
It_Create_GPRS_GSM_Cells					
38		+ts_GERANCreateCell(tsc_GSM_CellA, bcch, si2quater, nopsi5)			GPRS cell
39		+ts_CreateCell_GSM_Comb(tsc_GSM_CellB)			GSM cell
40		+ts_SendGSMSysInfo(tsc_GSM_CellB, tsc_PhyCh0, gsmonly, bcch, si2quater)			
It_SubTest					
41		[tcv_ISHO_SubtestCounter= 1]			Sub Test 1 Specific
42		(tcv_SIB3.cellAccessRestriction.cellBarred := c_CellBarred, tcv_SIB4.cellAccessRestriction.cellBarred := c_CellBarred)			Serving cell is barred.
43		+ts_SysInfoModifySIB3_And4_RRC_83x (tsc_CellA ,tcv_SIB3, tcv_SIB4,tsc_Now)			
44		[tcv_ISHO_SubtestCounter= 2]			Sub Test 2 Specific
45		(tcv_SIB3.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -21, tcv_SIB4.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -21)			Q_RxlevMin value = -41 S < 0 for serving cell.
46		+ts_SysInfoModifySIB3_And4_RRC_83x (tsc_CellA ,tcv_SIB3, tcv_SIB4,tsc_Now)			
It_PagingType2					
47		AM ! RLC_AM_DATA_REQ START t_WaitMS(3000)	css_PagingType2(tsc_CellDedicated, tsc_RB2, cs_108_PagingType2 (tcv_CellIndInfo.dl_IntegrityCheckInfo,tcv_RRC_Ti, ps_domain, tcv_RRC_PagingCau))		Page the UE to check whether it h as realeased all UTRAN resource s
48	TBF1	Dc ? RRC_DataInd CANCEL t_WaitMS	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, c r_ServiceRequest(c_ServiceTypePagingResp, ?,?))	(F)	SERVICE REQUEST - Service type is 'paging response '
49	TBF2	Dc ? OTHERWISE CANCEL t_WaitMS		(F)	
50	TBP1	? TIMEOUT t_WaitMS		(P)	
It_SSconfigToInitialState					
51		[tcv_ISHO_SubtestCounter= 1]			Sub Test 1 Specific
52		(tcv_SIB3.cellAccessRestriction.cellBarred := c_CellUnBarred, tcv_SIB4.cellAccessRestriction.cellBarred:= c_CellUnBarred)			To revert back SIB3
53		+ ts_CRLC_RelReconfSRB (tsc_CellA)			Reset the SRBs and RB20 at SS side
54		+ ts_CRLC_Rel (tsc_CellDedicated, tsc_RB20)			
55		+ts_SS_RB20_AM_PS_Cfg (320)			
56		+ ts_SetCellCfg (tsc_CellA, cell_FACH_NoConn)			
57		+ ts_SS_ResetSecurityKey			
58		+ts_SysInfoModifySIB3_And4_RRC_83x (tsc_CellA ,tcv_SIB3, tcv_SIB4,tsc_Now)			WA#2G3RRC0457
59		+ts_G_UpdateCellInfoPowerLevel (tsc_GSM_CellA, tsc_ChPwrLvl_Off)			
60		+ts_G_UpdateCellInfoPowerLevel (tsc_GSM_CellB, tsc_ChPwrLvl_Off)			
61		+ts_GSM_SetChPowerLevel(tsc_GSM_CellA, tsc_PhyCh0, tsc_ChPwrLvl_Off)			WA#2G3RRC0458
62		+ts_GSM_SetChPowerLevel(tsc_GSM_CellB, tsc_PhyCh0 , tsc_ChPwrLvl_Off)			WA#2G3RRC0458
63		+ts_MMI_UE_PwrOff			WA#2G3RRC0456
64		[TRUE]			
It_Postamble					
65		+po_GPRS_SS_CellRelease (tsc_GSM_CellA)			Release GPRS cell and its chann els
66		+po_GSM_SS_CellRelease (tsc_GSM_CellB)			Release GSM cell and its channe ls
67		+ ts_SS_Rel (tsc_CellA)			Release UTRAN cell and its chan nels
Detailed Comment					

4.4 Other modifications relevant for tc_8_3_9_1

4.4.1 tsc_TReselectionTimer

TTCN object	tsc_TReselectionTimer
Reference ATS	IR_U_wk42.mp [2]
Change Label	WA#2G3RRC0454
Reason for change	The value of 5000 (5 seconds) is not enough for the UE to perform inter-RAT reselection.
Summary of change	Change the value to 30000 (30 seconds).
Other affected objects	
ETSI comment	
R&S conclusion	

tsc_TReselectionTimer	INTEGER	30000	WA#2G3RRC0454

4.4.2 c_NeighBCCH_FreqListGSM900A

TTCN object	c_NeighBCCH_FreqListGSM900A
Reference ATS	IR_U_wk42.mp [2]
Change Label	WA#2G3RRC0460
Reason for change	This constraint is used for Sysinfo2 that is sent in conjunction with Sysinfo2bis. Both sysinfos contain parts of the BCCH allocation, so according to TS 44.018, Table 10.5.2.22.1 the 'extind' bit must be set to '1'.
Summary of change	Change the value of element 'extind' from '0' to '1'.
Other affected objects	
ETSI comment	
R&S conclusion	

Structured Type Constraint Declaration

Constraint Name:	c_NeighBCCH_FreqListGSM900A
Group:	
Type Name:	NeighCellDescr
Derivation Path:	
Encoding Variation:	
Comments:	for GSM 900 cell A: ARFCN = 10, 20, 40, 80, 90, 100, 110, 120

Element Name	Element Value	Type Encoding	Comments
rf12	'00'B		bit map 0 format
extind	'1'B		extension indication WA#2G3RRC0460
baind	'0'B		bcch allocation sequence number indication
rf14	'0000'B		bits 124-121
rf1	'802008020080000000080008020 0'O		bits 120-0

4.4.3 ts_ReceiveRACHForTBF_SendIAR

TTCN object	ts_ReceiveRACHForTBF_SendIAR
Reference ATS	IR_U_wk42.mp [2]
Change Label	WA#2G3RRC0453
Reason for change	A field of metatype PDU is received by a wildcard '?'. Subsequently the value received is assigned to a TCV. Because the TTCN compiler is not aware of the data type of the field at reception it does not correctly handle the subsequent assignment.
Summary of change	In line 1 in constraint for reception of G_L2_ACCESS_IND replaced last '?' by cr_ChanReqOnePhase.
Other affected objects	
ETSI comment	
R&S conclusion	

Test Step

Test Step Id:	ts_ReceiveRACHForTBF_SendIAR (p_CellId : CellId; p_Timer:INTEGER)
Test Step Group Ref:	GPRS_Specific/
Objective:	
Defaults:	IntersystemDef
Comments:	

...	Lab...	Behaviour Description	Constraint Ref	V...	Comments
1		START t_WaitMS(p_Timer)			Start timer t_T309 for cell selection reselection
2		G_L2 ? G_L2_ACCESS_IND (tcv_RR_RFN := G_L2_ACCESS_IND.rfn , tcv_ChRequest := G_L2_ACCESS_IND.burst) CANCEL t_WaitMS	cabr_G_L2_ACCESS_IND (p_CellId , tsc_PhyCh0 , 1 , ? , ? , cr_ChanReqOnePhase)		Receive CHANNEL REQUEST message WA#2G3RRC0453
3		(tcv_RR_RA := (BIT_TO_INT (tcv_ChRequest.estCauRandomRef)))			
4		G_L2 ! G_L2_UNITDATA_REQ	cas_G_L2_UNITDATA_REQ (p_CellId, tsc_PhyCh0, tsc_AGCH, 15, c_G_RFN_Omit, cs_ImmediateAssignmentReject(tcv_RR_RA , tcv_RR_RFN , '0A'H, (tcv_RR_RA +1)))		Send immediate assignment reject message with Wait Indication value set to 10 sec. The message is sent so that UE will not send any message for next 10 sec.
5	TSP1	[(tcv_RR_RA >=112) AND (tcv_RR_RA <127)]		(P)	
6	TSF1	[(tcv_RR_RA <112) OR (tcv_RR_RA >=127)]		(F)	
7	TSF2	G_L2 ? OTHERWISE		(F)	
8	TSF3	? TIMEOUT t_WaitMS		(F)	

4.4.4 ts_SIB_3_4_ParaInit_InterRAT

TTCN object	ts_SIB_3_4_ParaInit_InterRAT
Reference ATS	New
Change Label	WA#2G3RRC0461
Reason for change	The value for s_SearchRAT (-16) is too low to enable GSM measurements.
Summary of change	Define new test step 'ts_SIB_3_4_ParaInit_InterRAT' similarly to 'ts_UTRAN_GERAN_ParaInit', but replace 'cb_SIB3_DefUTRAN_GERAN' and 'cb_SIB3_DefUTRAN_GERAN' by cd_SIB3_DefInterRAT, cd_SIB4_DefInterRAT respectively.
Other affected objects	ts_SendDefSysInfo_SpecialSIB3AndSIB4
ETSI comment	
R&S conclusion	

Test Step

Test Step Id:	ts_SIB_3_4_ParaInit_InterRAT(p_CellId: INTEGER)
Test Step Group Ref:	BasicM_SysInfoHandling_Steps/
Objective:	Initialize default parameters for different region
Defaults:	InitOtherwiseFail
Comments:	currently only UTRAN and UTRAN/GERAN are defined

...	...	Behaviour Description	...	...	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		[px_UTRAN_GERAN = "UTRAN and GERAN"]			
3		(tcv_SIB3 := cd_SIB4_DefInterRAT (tcv_TmpCellInfo), tcv_SIB4 := cd_SIB4_DefInterRAT (tcv_TmpCellInfo))			WA#2G3RRC0461
4		[px_UTRAN_GERAN = "UTRAN only"]			
5		(tcv_SIB3 := cb_SIB3_DefUTRAN (tcv_TmpCellInfo), tcv_SIB4 := cb_SIB4_DefUTRAN (tcv_TmpCellInfo))			
6		[TRUE]			

4.4.5 ts_SendDefSysInfo_SpecialSIB3AndSIB4

TTCN object	ts_SendDefSysInfo_SpecialSIB3AndSIB4
Reference ATS	IR_U_wk42.mp [2]
Change Label	WA#2G3RRC0461
Reason for change	The value for s_SearchRAT (-16) is too low to enable GSM measurements.
Summary of change	Attach new test step 'ts_SIB_3_4_ParaInit_InterRAT' in 'ts_SendDefSysInfo_SpecialSIB3AndSIB4' instead of 'ts_UTRAN_GERAN_ParaInit'.
Other affected objects	ts_SIB_3_4_ParaInit_InterRAT
ETSI comment	
R&S conclusion	

Test Step

Test Step Id:	ts_SendDefSysInfo_SpecialSIB3AndSIB4 (p_CellId: INTEGER)
Test Step Group Ref:	UMTS_Specific/
Objective:	To broadcast default system information.
Defaults:	InitOtherwiseFail
Comments:	

Nr	Behaviour Description	Comments
1	+ ts_SIB_3_4_ParaInit_InterRAT(p_CellId)	WA#2G3RRC0461
2	(tcv_SIB3.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -51, tcv_SIB4.cellSelectReselectInfo.modeSpecificInfo.fdd.q_RxlevMin := -51, tcv_SIB3. cellSelectReselectInfo. t_Reselection_S := 5, tcv_SIB4. cellSelectReselectInfo. t_Reselection_S := 5)	value=-101 T reselection timer is set to 5 sec
3	+ts_CellDependentPara(p_CellId)	
4	+ts_InitializeSIB2AndSIB18(tcv_TmpCellInfo)	
5	+ ts_InitializeSIB11_SIB12 (p_CellId)	
6	(tcv_MIB := c_MIB_DefLongNeighCellInfo (tcv_TmpCellInfo) , tcv_SB1 := c_SB1_DefLongNeighCellInfo)	
7	ipx_RAT = fdd]	
8	+ts_SendSIB1_LongNeighCellInfo (c_SIB1_Diff (tcv_TmpCellInfo , m60 , s20), p_CellId, tsc_Now)	
9	+ts_SendSIB2_LongNeighCellInfo(c_SIB2_Def (tcv_TmpCellInfo), p_CellId, tsc_Now)	
10	+ts_SendSIB3_LongNeighCellInfo(tcv_SIB3, p_CellId, tsc_Now)	
11	+ts_SendSIB4_LongNeighCellInfo(tcv_SIB4, p_CellId, tsc_Now)	
12	+ts_SendSIB5_LongNeighCellInfo(cb_SIB5_Def(tcv_TmpCellInfo), p_CellId, tsc_Now)	
13	+ts_SendSIB6_LongNeighCellInfo(cb_SIB6_Def(tcv_TmpCellInfo), p_CellId, tsc_Now)	
14	+ts_SendSIB7_LongNeighCellInfo(c_SIB7_Def, p_CellId, tsc_Now)	
15	+ts_SendSIB11_LongNeighCellInfo(tcv_SIB11, p_CellId, tsc_Now)	
16	+ts_SendSIB12_LongNeighCellInfo(tcv_SIB12, p_CellId, tsc_Now)	
17	+ts_SendSIB18_LongNeighCellInfo(tcv_SIB18, p_CellId, tsc_Now)	
18	+ts_SendSB1_LongNeighCellInfo (tcv_SB1, p_CellId, tsc_Now)	
19	+ts_SendMIB(tcv_MIB, p_CellId, tsc_Now)	
20	+ts_SendPage1_ModifySI(p_CellId, tcv_MIB.mib_ValueTag)	
21	+ ts_SaveBackMIB_SB1 (p_CellId)	

4.4.6 ts_SysInfoModifySIB3_And4_RRC_83x

TTCN object	ts_SysInfoModifySIB3_And4_RRC_83x
Reference ATS	IR_U_wk42.mp [2]
Change Label	WA#2G3RRC0452
Reason for change	The positioning of the modified SIBs 3&4 is not correct, since all previous sysinfo sent in this test case is done in the 'LongNeighCellInfo' format, while this test step uses the 'normal' format.
Summary of change	In lines 2 and 3 of ts_SysInfoModifySIB3_And4_RRC_83x replace 'ts_SendSIB3' resp. 'ts_SendSIB4' by 'ts_SendSIB3_LongNeighCellInfo' resp. 'ts_SendSIB4_LongNeighCellInfo'.
Other affected objects	
ETSI comment	
R&S conclusion	

Test Step

Test Step Id:	ts_SysInfoModifySIB3_And4_RRC_83x(p_CellId: INTEGER; p_SIB3 : SysInfoType3; p_SIB4 : SysInfoType4; p_Timing: INTEGER)
Test Step Group Ref:	UMTS_Specific/
Objective:	To modify the the contents of SIB3 and SIB4.
Defaults:	InitOtherwiseFail
Comments:	5 seconds shall be reserved for UE receiving and decoding the modified system information blocks after the BS broadcasting the modified contents.

..	L...	Behaviour Description	Constraint Ref	..	Comments
1		[px_RAT = fdd]			
2		+ts_SendSIB3_LongNeighCellInfo(p_SIB3, p_CellId, p_Timing)			WA#2G3RRC0452
3		+ts_SendSIB4_LongNeighCellInfo(p_SIB4, p_CellId, p_Timing)			WA#2G3RRC0452
4		+ts_SendMIB(tcv_MIB, p_CellId, p_Timing)			
5		+ts_SendSystemInfoChangeInd(p_CellId,tcv_MIB.mib_ValueTag)			+ts_SendPage1_ModifySI (p_CellId, tcv_MIB.mib_ValueTag)
6	ERR 1	[px_RAT = tdd]		I	
7	ERR 2	[TRUE]		I	

4.5 Changes referred to from previous CRs

Table 2 below lists all Change Label/Affected TTCN Object combinations of changes in the RRC ATS required for tc_8_3_9_1, which also apply to one or more other test cases previously requested for approval and being defined unchanged in a previous CR issued by Rohde&Schwarz. For each change the document ID of the previous CR and the reference ATS are also shown.

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

Change Labels	Affected TTCN Objects	Ref. ATS	CR DocId
WA#2G3RRC0416	car_G_RLC_ControlMsg_IND	IR_U_wk42.mp [2]	T1s040615
WA#2G3RRC0418	cs_AuthAndCiphReq	IR_U_wk42.mp [2]	T1s040615
WA#2G3RRC0444	ts_SendGSMSysInfo	IR_U_wk42.mp [2]	T1s040615
WA#2G3RRC0445	c_G_CellConfigInfoGSM900_CellA	IR_U_wk42.mp [2]	T1s040615

5 Branches executed in test case 8.3.9.1

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

6 Supplementary information

6.1 ATS

The TTCN ATS containing modified test case tc_8_3_9_1 is IR_U_8_3_9_1.mp.

6.2 Nokia 6630 log files

The Nokia 6630 passed this test case in Combined Attach (CSPS) mode, automatic attach switched off, on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G, for the 900 MHz band. The documentation below is enclosed as evidence of the successful test case run (see T1s040702 [1]):

a) **Execution log files 8-3-9-1-Nokia-CSPS-AAOFF-900-PASS-html-logs\Index.html**
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch, automatic attach switched off, executed for the 900 MHz band, in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

b) **PICS/PIXIT file TC_8_3_9_1_Nokia_CSPS_AutoAttachOff_900_Pics_Pixit.txt**
Text file containing all PICS/PIXIT parameters used for a).

7 References

[1]	T1s040702.zip Archive comprising the TTCN MP file for the current CR (supplementary information).
[2]	IR_U_wk42.mp ETSI InterRat UTRAN ATS, version week 42 (2004).
[3]	T1s040615.doc Previous CR issued by R&S (on tc_12_8).

Annex A: List of change labels and affected TTCN objects

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

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

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0416	car_G_RLC_ControlMsg_IND	IR_U_wk42.mp [2]
WA#2G3RRC0418	cs_AuthAndCiphReq	IR_U_wk42.mp [2]
WA#2G3RRC0444	ts_SendGSMSysInfo	IR_U_wk42.mp [2]
WA#2G3RRC0445	c_G_CellConfigInfoGSM900_CellA	IR_U_wk42.mp [2]
WA#2G3RRC0452	ts_SysInfoModifySIB3_And4_RRC_83x	IR_U_wk42.mp [2]
WA#2G3RRC0453	ts_ReceiveRACHForTBF_SendIAR	IR_U_wk42.mp [2]
WA#2G3RRC0454	tsc_TReselectionTimer	IR_U_wk42.mp [2]
WA#2G3RRC0455	tc_8_3_9_1	IR_U_wk42.mp [2]
WA#2G3RRC0456	tc_8_3_9_1	IR_U_wk42.mp [2]
WA#2G3RRC0457	tc_8_3_9_1	IR_U_wk42.mp [2]
WA#2G3RRC0458	tc_8_3_9_1	IR_U_wk42.mp [2]
WA#2G3RRC0460	c_NeighBCCH_FreqListGSM900A	IR_U_wk42.mp [2]
WA#2G3RRC0461	ts_SendDefSysInfo_SpecialSIB3AndSIB4	IR_U_wk42.mp [2]
WA#2G3RRC0461	ts_SIB_3_4_ParaInit_InterRAT	New

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **1210** ⌘ **rev** **-** ⌘ Current version: **3.8.0** ⌘

*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 P4 test case 12.9.13 to NAS ATS V3.7.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	12/11/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 NAS test case 12.9.13 to the approved NAS ATS V3.7.0
Summary of change:	⌘	This document lists all changes applied to test case 12.9.13 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

Tdoc ⌘T1s040719

Title: **Changes to test case 12.9.13 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 12.9.13 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_12_9_13
Test Group:	GMM/ SeviceRquest_procedures
ATS Version:	iWD-TVB2003-03_D04wk42 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 12.9.13

4.1 Introduction

This section describes the changes required to make test case 12.9.13 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_wk42.mp which is part of the iWD-TVB2003-03_D04wk42 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

4.2 c_RAB_InfoSetupDCH_PS_64k and c_RAB_InfoSetupDCH_PS_64k_22 (WA#NAS4670)

Test step name	c_RAB_InfoSetupDCH_PS_64k
Reason for change	In the Radio Bearer Setup message UL and DL "logicalChannelIdentity" is set to OMIT in rb_MappinInfo for each RB. This makes the RAB setup fail: As per 25.331 section 8.6.4.8 RB mapping info 1> if, as a result of the message this IE is included in, several radio bearers can be mapped onto the same transport channel, and the IE "Logical Channel Identity" was not included in the RB mapping info of any of those radio bearers for a multiplexing option on that transport channel or the same "Logical Channel Identity" was used more than once in the RB mapping info of those radio bearers for the multiplexing options on that transport channel: 2> set the variable INVALID_CONFIGURATION to TRUE. Thus UL and DL "logicalChannelIdentity" needs to be set in rb_MappingInfo.
Summary of change	Included logical channels identities in the RAB mapping information for RB20 and RB22.
Source of change	New change

Label WA#NAS4670

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RAB_InfoSetupDCH_PS_64k (p_Reesttimer: Re_EstablishmentTimer; p_RAB_Id: BITSTRING; p_RLC_Info: RLC_Info)
Group:	
Type Name:	RAB_InformationSetup
Derivation Path:	
Encoding Variation:	
Comments:	WA#NAS4670

Constraint Value

```
{
 rab_Info {
  rab_Identity gsm_MAP_RAB_Identity: p_RAB_Id,
  cn_DomainIdentity ps_domain,
  re_EstablishmentTimer p_Reesttimer
 },
 rb_InformationSetupList {{
   rb_Identity tsc_RB20,
   pdcp_Info {
    losslessSRNS_RelocSupport notSupported : NULL,
    pdcp_PDU_Header absent,
    headerCompressionInfoList OMIT
   },
   rlc_InfoChoice rlc_Info : p_RLC_Info,
   rb_MappingInfo {{
     ul_LogicalChannelMappings oneLogicalChannel : {
      ul_TransportChannelType dch : tsc_UL_DCH1,
      logicalChannelIdentity tsc_UL_DTCH1,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 8
     },
     dl_LogicalChannelMappingList {{
       dl_TransportChannelType dch : tsc_DL_DCH1,
       logicalChannelIdentity tsc_DL_DTCH1
     }}
    },
    { --RB_MappingInfo
     ul_LogicalChannelMappings oneLogicalChannel:{ --UL_LogicalChannelMapping,
      ul_TransportChannelType rach: NULL,
      logicalChannelIdentity tsc_UL_DTCH1,
      rlc_SizeList explicitList : { { rlc_SizeIndex 2} },
      mac_LogicalChannelPriority 8
     },
     dl_LogicalChannelMappingList {{
       dl_TransportChannelType fach:NULL,
       logicalChannelIdentity tsc_DL_DTCH1
     }}
   }}
 }}
```

ASN.1 Type Constraint Declaration	
Constraint Name:	c_RAB_InfoSetupDCH_PS_64k_22 (p_Reesttimer: Re_EstablishmentTimer; p_RAB_Id: BITSTRING; p_RLC_Info: RLC_Info)
Group:	
Type Name:	RAB_InformationSetup
Derivation Path:	
Encoding Variation:	
Comments:	WA#NAS4670

Constraint Value

```
{
 rab_Info {
  rab_Identity gsm_MAP_RAB_Identity: p_RAB_Id,
  cn_DomainIdentity ps_domain,
  re_EstablishmentTimer p_Reesttimer
 },
 rb_InformationSetupList {{
   rb_Identity tsc_RB22,
   pdcp_Info {
    losslessSRNS_RelocSupport notSupported : NULL,
    pdcp_PDU_Header absent,
    headerCompressionInfoList OMIT
   },
```

```
rlc_InfoChoice rlc_Info : p_RLC_Info,
rb_MappingInfo
 {
  { --RB_MappingOption
    ul_LogicalChannelMappings oneLogicalChannel:
    {
     ul_TransportChannelType dch: tsc_UL_DCH1,
     logicalChannelIdentity tsc_UL_DTCH2,
     rlc_SizeList configured :NULL,
     mac_LogicalChannelPriority 8
    },
    dl_LogicalChannelMappingList
    {{
      dl_TransportChannelType dch: tsc_DL_DCH1,
      logicalChannelIdentity tsc_DL_DTCH2
    }}
   },
  { --RB_MappingInfo
    ul_LogicalChannelMappings oneLogicalChannel:{ --UL_LogicalChannelMapping,
     ul_TransportChannelType rach: NULL,
     logicalChannelIdentity tsc_UL_DTCH2,
     rlc_SizeList explicitList : { { rlc_SizeIndex 2} },
     mac_LogicalChannelPriority 8
    } ,
    dl_LogicalChannelMappingList {{
      dl_TransportChannelType fach:NULL,
      logicalChannelIdentity tsc_DL_DTCH2
    }}
  }}
 }}
}
```

Detailed Comment:

4.3 ts_AT_SecondaryPDP_Context (WA#NAS4671)

Test step name	ts_AT_SecondaryPDP_Context
Reason for change	Incorrect AT command sequence to establish the secondary PDP context.
Summary of change	Used the following sequence: AT+CGDSCONT=2,1 AT+CGEQREQ=2,2,64,64,,,1,320,"1E4","1E5",1,,3 AT+CGTFT=2,1,1,"235.235.235.235.225.225.225.225",17,"200.300","300.400" AT+CGACT=1,2
Source of change	New change
Label	WA#NAS4671

Test Step

Test Step Id:	ts_AT_SecondaryPDP_Context
Test Step Group Ref:	L3M_UT_Steps/
Objective:	To originate a secondary PDP Context from the UE
Defaults:	UT_OtherwiseFail
Comments:	WA#NAS4671

...	...	Behaviour Description	Constraint Ref	...	Comments
0		(tcv_AT_Cmd := ("AT+CGDSCONT=2,1<CR>"))			
1		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
2		Ut ? AT_CmdCnf	ca_AT_CmdCnf		
3		(tcv_AT_Cmd := ("AT+CGEQREQ=1,2,64,64,,,1,320,""1E4"",""1E5"",1,,3<CR>"))			
4		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
5		Ut ? AT_CmdCnf	ca_AT_CmdCnf		
6		(tcv_AT_Cmd := ("AT+CGTFT=2,1,1,""235.235.235.235.225.225.225.225"",17,""200.300"",""300.400" "<CR>"))			
7		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
8		Ut ? AT_CmdCnf	ca_AT_CmdCnf		
9		(tcv_AT_Cmd := ("AT+CGACT=1,2<CR>"))			Activate secondary PDP Context.
10		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		
11		Ut ? AT_CmdCnf	ca_AT_CmdCnf		

4.4 ts_SecPDP_ContextAccept_MO (WA#NAS4672)

Test step name	ts_SecPDP_ContextAccept_MO
Reason for change	TTCN errors: wrong variable used in line 1 when assigning tcv_TI_R and wrong variable passed as parameter in line 4
Summary of change	Used “tcv_SecPDP_ContextReq” instead of “tcv_ActSecPDP_ContextAcpt” in line 1. Used “tcv_TI_S” instead of “tcv_TI_R” in line 4
Source of change	New change
Label	WA#NAS4672

Test Step

Test Step Id:	ts_SecPDP_ContextAccept_MO (p_CellId : INTEGER)
Test Step Group Ref:	L3M_SM_Steps/
Objective:	To establish Mobile Originated Secondary PDP Context
Defaults:	NAS_OtherwiseFail
Comments:	WA#NAS4672

...	...	Behaviour Description	Constraint Ref	V...	...
0		Dc ? RRC_DataInd (tcv_SecPDP_ContextReq := RRC_DataInd.msg, tcv_TI_R := tcv_SecPDP_ContextReq.ti , tcv_RecdNSAPI := tcv_SecPDP_ContextReq.requestedNSAPI.nSAPI_Value)	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cbr_ActSecPDP_ContextRequest_MO(tcv_DlyClass, tcv_TrafficClass))	(P)	
1		+ ts_CalculateActTime (p_CellId)			
2		+ ts_RRC_SendRB_SetUpDCH_64k_2AM_PS (p_CellId , INT_TO_BIT(BIT_TO_INT(tcv_RecdNSAPI), 8), tcv_ActTime)			
3		+ts_SetTI_Rsp (tcv_TI_R)			
4		[pc_UMTS_GSM = TRUE]			
5		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cbs_ActSecPDP_ContextAccept_MT (tcv_TI_S, cs_LLC_SAPI_UMTS_GSM_v, tcv_DlyClass, tcv_TrafficClass))		
4		[pc_UMTS_GSM = FALSE]			
5		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cbs_ActSecPDP_ContextAccept_MT(tcv_TI_S, cs_LLC_SAPI_UMTS_v,tcv_DlyClass, tcv_TrafficClass))		

4.5 cbr_ActSecPDP_ContextRequest_MO (WA#NAS4674) and (WA#NAS4675)

Test step name	cbr_ActSecPDP_ContextRequest_MO
Reason for change	- TTCN error: wrong constraint used for requestedQoS IE (it should be the MO one) - According to coding conventions in 34.123-3v320 Sec.E.3.7, '?' shall not be used to indicate values of TTCN ASP parameters / TTCN PDU fields / TTCN structured type elements whose type is structured. Known TTCN implementations differ significantly in their implementation of this feature. This is the case for the “likenTI” and “tft” IEs in this constraint.
Summary of change	Used cr_QoS_InteractiveOrBackgroundMO_lv instead of cs_QoS_InteractiveOrBackgroundMT_lv Used new constraint “c_LinkedTI_lv_Any” instead of “?” Used “c_TrafficFlowTemplate_tlv_Any” instead of “?”
Source of change	New change
Label	(WA#NAS4674) and (WA#NAS4675)

PDU Constraint Declaration	
Constraint Name:	cbr_ActSecPDP_ContextRequest_MO(p_DlyClass, p_trafficClass : B3)
Group:	
PDU Name:	ACTIVATESECONDARYPDPCONTEXTREQUEST_ul
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	Activate Secondary PDP Context Request ue -> n 24.008 clause, 9.5.4 WA#NAS4674 WA#NAS4675

Field Name	Element Value	...	Comments
ti	?		
sM_ProtocolDiscriminator	tsc_SMPD		
msgType	'01001101'B		
requestedNSAPI	?		
requestedLLC_SAPIi	?		
requestedQoS	cr_QoS_InteractiveOrBackgroundMO_lv(p_DlyClass, p_trafficClass)		
linkedTI	c_LinkedTI_lv_Any		
tft	c_TrafficFlowTemplate_tlv_Any		

Structured Type Constraint Declaration	
Constraint Name:	c_LinkedTI_lv_Any
Group:	
Type Name:	LinkedTI_lv
Derivation Path:	
Encoding Variation:	
Comments:	WA#NAS4675

Element Name	Element Value	Type Encoding	Comments
length	?		
tIFflag	?		
tIValue	?		
spare	?		
ext	*		
tIValue1	*		

Structured Type Constraint Declaration	
Constraint Name:	c_TrafficFlowTemplate_tlv_Any
Group:	
Type Name:	TrafficFlowTemplate_tlv
Derivation Path:	
Encoding Variation:	
Comments:	WA#NAS4675

Element Name	Element Value	Type Encoding	Comments
iei	*		
length	*		
tftOperationCode	*		
spare	*		
noOfPktFilter	*		
pktFillerContents	*		

5 Branches executed in test case 12.9.13

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

6 Execution Log Files

6.1 Ericsson U100 3G UE

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 12_9_13_Logs-Ericsson\Index.html
These execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 12_9_13-pics-pixit-Ericsson.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

7 References

[1] **T1s040720**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file