Source: **T1**

Title: **2nd batch of TTCN CRs to TS 34.123-3 v.3.6.0 and v.3.6.1 for approval**

Agenda item: **5.1.3**

Document for: **Approval**

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

Doc-2nd-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New
T1s040408	34.123-3	426	-	R99	Addition of GCF P4 test case 9.5.5 ATS V3.6.0	B	3.6.0	3.7.0
T1s040410	34.123-3	425	-	R99	Addition of GCF P4 test case 10.1.2.2.1 ATS V3.6.0	B	3.6.0	3.7.0
T1s040440	34.123-3	448	-	R99	Addition of GCF P4 test case 9.5.4 ATS V3.6.0	B	3.6.0	3.7.0
T1s040444	34.123-3	447	-	R99	Addition of GCF P4 test case 8.2.6.11 to RRC ATS V3.6.0	B	3.6.0	3.7.0
T1s040446	34.123-3	446	-	R99	Addition of GCF P4 test case 8.3.1.12 to RRC ATS V3.6.0	B	3.6.0	3.7.0
T1s040450	34.123-3	451	-	R99	Addition of GCF P4 test case 12.2.1.2 ATS V3.6.0	B	3.6.0	3.7.0
T1s040452	34.123-3	429	-	R99	Addition of NAS test case 12.4.1.3 to NAS ATS V3.6.0	B	3.6.0	3.7.0
T1s040456	34.123-3	427	-	R99	Addition of NAS test case 12.6.1.3.2 to NAS ATS V3.6.0	B	3.6.0	3.7.0
T1s040458	34.123-3	428	-	R99	Addition of NAS test case 12.9.14 to NAS ATS V3.6.0	B	3.6.0	3.7.0
T1s040460	34.123-3	424	-	R99	Addition of NAS test case 9.4.3.5 to NAS ATS V3.6.0	B	3.6.0	3.7.0
T1s040474	34.123-3	449	-	R99	Addition of P3 test case 8.4.1.37 to RRC ATS V3.6.1	B	3.6.1	3.7.0
T1s040476	34.123-3	450	-	R99	Addition of P3 test case 8.4.1.38 to RRC ATS V3.6.1	B	3.6.1	3.7.0
T1s040484	34.123-3	456	-	R99	Correction to GCF P1 test case 8.3.1.1	F	3.6.0	3.7.0
T1s040489	34.123-3	445	-	R99	Addition of P4 RRC test case 8.1.6.1	B	3.6.1	3.7.0
T1s040493	34.123-3	444	-	R99	Addition of P4 RRC test case 8.3.1.17	B	3.6.1	3.7.0
T1s040495	34.123-3	442	-	R99	Addition of P4 RRC test case 8.3.2.9	B	3.6.1	3.7.0
T1s040497	34.123-3	455	-	R99	Correction to Package 3 SMS test case 16.2.1.	F	3.6.1	3.7.0
T1s040498	34.123-3	441	-	R99	Addition of RRC Package 4 test case 8.1.2.3 to RRC ATS V3.6.1	B	3.6.1	3.7.0
T1s040500	34.123-3	438	-	R99	Addition of RRC Package 4 test case 8.1.3.5 to RRC ATS V3.6.1	B	3.6.1	3.7.0

T1s040502	34.123-3	439	-	R99	Addition of RRC Package 4 test case 8.2.1.4 to RRC ATS V3.6.1	B	3.6.1	3.7.0
T1s040504	34.123-3	440	-	R99	Addition of RRC Package 4 test case 8.2.1.7 to RRC ATS V3.6.1	B	3.6.1	3.7.0
T1s040514	34.123-3	454	-	R99	Correction to NAS test cases 9.4.2.3 (P2), 9.4.2.4 Proc 2 (P2), and 12.4.1.1a (P1)	F	3.6.1	3.7.0
T1s040515	34.123-3	432	-	R99	Addition of RRC test case 8.2.2.4 to RRC ATS V3.6.0	B	3.6.0	3.7.0
T1s040517	34.123-3	433	-	R99	Addition of RRC test case 8.2.6.12 to RRC ATS V3.6.0	B	3.6.0	3.7.0
T1s040519	34.123-3	430	-	R99	Addition of NAS test case 12.9.3 to NAS ATS V3.6.0	B	3.6.0	3.7.0
T1s040521	34.123-3	431	-	R99	Addition of NAS test case 12.9.4 to NAS ATS V3.6.0	B	3.6.0	3.7.0
T1s040523	34.123-3	436	-	R99	Addition of RAB test case 14.2.40 to RAB ATS V3.6.0	B	3.6.0	3.7.0
T1s040525	34.123-3	437	-	R99	Addition of RAB test case 14.2.41 to RAB ATS V3.6.0	B	3.6.0	3.7.0
T1s040527	34.123-3	434	-	R99	Addition of RAB test case 14.2.38c to RAB ATS V3.6.0	B	3.6.0	3.7.0
T1s040529	34.123-3	435	-	R99	Addition of RAB test case 14.2.38f to RAB ATS V3.6.0	B	3.6.0	3.7.0
T1s040531	34.123-3	453	-	R99	Modification to MAC Package 2 test case 7.1.3.1	F	3.6.1	3.7.0
T1s040533	34.123-3	452	-	R99	Addition of RAB Package 3 test case 14.2.38b to RAB ATS V3.6.1	B	3.6.1	3.7.0
T1s040573	34.123-3	443	-	R99	Addition of P4 RRC test case 8.2.6.2	B	3.6.1	3.7.0

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

T1S ⌘040408~~03xxxx~~

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	~~03xxxx~~ 426	⌘ rev	1 ~~1~~	⌘	Current version:	3.6.0	⌘

*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 9.5.5 ATS V3.6.0
Source:	⌘	Anritsu Ltd, R&S and Racal
Work item code:	⌘	N/A
Date:	⌘	9/8/2004
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 introduce test case 9.5.5 to ATS 3.6.0
Summary of change:	⌘	None
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:	⌘	

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.

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-Mail 2004

T1S-040408~~2(8.1.1.8)~~

01 Jan - 31 Dec 2004

Title	~~Changes to~~ Introducing test case 9.5.5 ~~required for approval~~to ATS 3.6.0
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 fix problems in the TTCN implementation of~~ introduce test case 9.5.7.1 to ATS 3.6.0. 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_D04wk26
Integrity	Enabled
Ciphering	Disabled
Path tested	CS

2 Tables added to iWD-TVB2003-03_D04wk26

None

3 Tables Modifed to iWD-TVB2003-03_D04wk26

None

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

T1S ⌘040404~~03xxxx~~

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	~~03xxxx~~ 425	⌘ rev	1 ~~1~~	⌘	Current version:	3.6.0	⌘

*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 10.1.2.2.1 ATS V3.6.0
Source:	⌘	Anritsu Ltd, R&S and Racal
Work item code:	⌘	N/A
Date:	⌘	9/8/2004
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 introduce test case 10.1.2.2.1 to ATS 3.6.0
Summary of change:	⌘	None
Consequences if not approved:	⌘	Test case will not be introduced.

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	Y / N	Other core specifications	⌘	
		N	Test specifications		
		N	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.

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-Mail 2004

T1-040404~~2(8.1.1.8)~~

01 Jan - 31 Dec 2004

Title	~~Changes to~~ Introducing test case 10.1.2.2.1 ~~required for approval~~to ATS 3.6.0
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 fix problems in the TTCN implementation of~~ introduce test case 10.1.2.2.1 to ATS 3.6.0. 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_D04wk26
Integrity	Enabled
Ciphering	Disabled
Path tested	CS

2 Tables added to iWD-TVB2003-03_D04wk26

None

3 Tables Modifed to iWD-TVB2003-03_D04wk26

None

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

T1S ⌘040440~~03xxxx~~

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	~~03xxxx~~ 448	⌘ rev	1 ~~1~~	⌘	Current version:	3.6.0	⌘

*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 9.5.4 ATS V3.6.0
Source:	⌘	Anritsu Ltd & Racal
Work item code:	⌘	N/A
Date:	⌘	09/08/2004
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 introduce test case 9.5.4 ATS V3.6.0
Summary of change:	⌘	None
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:	⌘	

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.

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-Mail 2004

T1S-040440~~2(8.1.1.8)~~

01 Jan - 31 Dec 2004

Title	~~Changes to~~ Introducing test case 9.5.4 ATS V3.6.0
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ introduce test case 9.5.4 ATS V3.6.0. 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_D04wk31
Integrity	Enabled
Ciphering	Disabled
Path tested	CS

2 Tables added to iWD-TVB2003-03_D04wk31

None

3 Tables Modifed to iWD-TVB2003-03_D04wk31

None

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	447	⌘rev	1 ~~1~~	⌘	Current version:	3.6.0	⌘

*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 8.2.6.11 to RRC ATS V3.6.0
Source:	⌘	Anritsu Ltd, R&S and Racal
Work item code:	⌘	N/A
Date:	⌘	09/08/04
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:	⌘	Introduction of GCF P2 RRC 8.2.6.11
Summary of change:	⌘	None
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:	⌘	

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.

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-Mail 2004

T1S-040444~~2(8.1.1.8)~~

01 Jan - 31 Dec 2004

Title	~~Changes to~~ Introducing test case 8.2.6.11 ATS V3.6.0
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ introduce test case 8.2.6.11 ATS V3.6.0. 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_D04wk26
Integrity	Enabled
Ciphering	Disabled
Path tested	PS

2 Tables added to iWD-TVB2003-03_D04wk26

None

3 Tables Modifed to iWD-TVB2003-03_D04wk26

None

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

T1S ⌘040446

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	446	⌘rev	1 ~~1~~	⌘	Current version:	3.6.0	⌘

*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 8.3.1.12 to RRC ATS V3.6.0
Source:	⌘	Anritsu Ltd, R&S and Racal
Work item code:	⌘	N/A
Date:	⌘	09/08/04
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:	⌘	Introduction of GCF P2 RRC 8.3.1.12
Summary of change:	⌘	None
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:	⌘	

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.

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-Mail 2004

T1S-040446~~2(8.1.1.8)~~

01 Jan - 31 Dec 2004

Title	~~Changes to~~ Introducing test case 8.3.1.12 ATS V3.6.0
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ introduce test case 8.3.1.12 ATS V3.6.0. 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_D04wk31
Integrity	Enabled
Ciphering	Disabled
Path tested	PS

2 Tables added to iWD-TVB2003-03_D04wk31

None

3 Tables Modifed to iWD-TVB2003-03_D04wk31

None

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

T1S ⌘040450~~03xxxx~~

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	~~03xxxx~~ 451	⌘ rev	1 ~~1~~	⌘	Current version:	3.6.0	⌘

*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 12.2.1.2 ATS V3.6.0
Source:	⌘	Anritsu Ltd
Work item code:	⌘	N/A
Date:	⌘	10/08/2004
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 introduce test case 12.2.1.2 ATS V3.6.0
Summary of change:	⌘	2~~1~~4 table modified in iWD-TVB2003-03_D04wk31,for details see below
Consequences if not approved:	⌘	Test case will fail with Conformant UE

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.

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-Mail 2004

T1-040450~~2(8.1.1.8)~~

01 Jan - 31 Dec 2004

Title	~~Changes to~~ Introducing test case 12.2.1.2 ATS V3.6.0
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ introduce test case 12.2.1.2 ATS V3.6.0With 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_D04wk31
Integrity	Enabled
Ciphering	Disabled
Path tested	PS

2 Tables added to iWD-TVB2003-03_D04wk31

None

3 Tables Modifed to iWD-TVB2003-03_D04wk31

3.1 lt_Steps_11To15

Reason for Change: Stopping of Cell_A at line number 33, gives TTCN error at Line 38 in test step ts_MM_RegistrationHandleAttachReqIMS→ ts_RRC_ConnEs→ ts_SS_PrepareCellRRC_ConnEst→ Line number 39 (+ts_SS_RelDPCH (tsc_CellA)).

Summary of change: Remove Line number 33 "+ts_SS_StopCell (tsc_CellA, TRUE)".

lt_Steps_11To15					
31		+ts_SS_DecrementCellPowerLevel (tsc_CellB, tsc_AttenuationNonSuitableNeighbourCell - tsc_AttenuationServingCell)			Set cell A to Suitable Neighbour cell (already done in step 6), Set cell B as Non Suitable Neighbour cell, and Set cell D to Serving cell
32		(tcv_CellInfoD.attenuationLevel := tsc_AttenuationServingCell)			
33		~~+ts_SS_StopCell (tsc_CellA, TRUE)~~			~~@sic VB only 2 cells active sic@~~
34		–+ts_SS_CreateCellDCH (tsc_CellD)			
35		–+ts_SendDefSysInfo(tsc_CellD)			
36		–+ts_VerifyNoAccess (30)			Step 13. Verify no access for 30 seconds

3.2 lt_Steps_18To22

Reason for Change: As Security mode is not performed , PS key sequence would be reset by the UE.

Summary of change: Added (tcv_PS_KeySeq := '111'B)

lt_Steps_18To22					
39		(tcv_PS_KeySeq := '111'B)			
40		+ ts_MM_RegistrationHandleAttachReqIMSI (tsc_CellD)			Step CS regis If UE Opera mode

					Handl recei ATTAC @sic Handl Attac durin regis sic@
41		–+ ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellD)			
42		–Dc ! RRC_DataReq	ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_AttachAcc (c_GMM_AttachResult ('001'B), c_RAI_v (tcv_CellInfoD.mcc, tcv_CellInfoD.mnc, tcv_CellInfoD.lac, tcv_CellInfoD.rac), c_PTMSI_SignatureDef, c_MobileIdPTMSI_Def, -))		ATTAC ACCEP - Att resul attac - RAI - P-T signa - Mob P-TMS - omi
43		–Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_AttachComplete)		ATTAC COMPL
44		–+ts_RRC_ConnRel(tsc_CellD, cell_Dch)			

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **429** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 12.4.1.3 to NAS ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	06/08/2004
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 12.4.1.3 to the approved NAS ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 12.4.1.3 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	**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 ⌘T1s040452

Title: **Changes to test case 12.4.1.3 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 12.4.1.3 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_12_4_1_3
Test Group:	GMM/ Routing_Area_updating / PS_only_RAU
ATS Version:	iWD-TVB2003-03_D04wk26 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Motorola A845
Verification Status:	PASS

4 Corrections required for test case 12.4.1.3

4.1 Introduction

This section describes the changes required to make test case 12.4.1.3 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

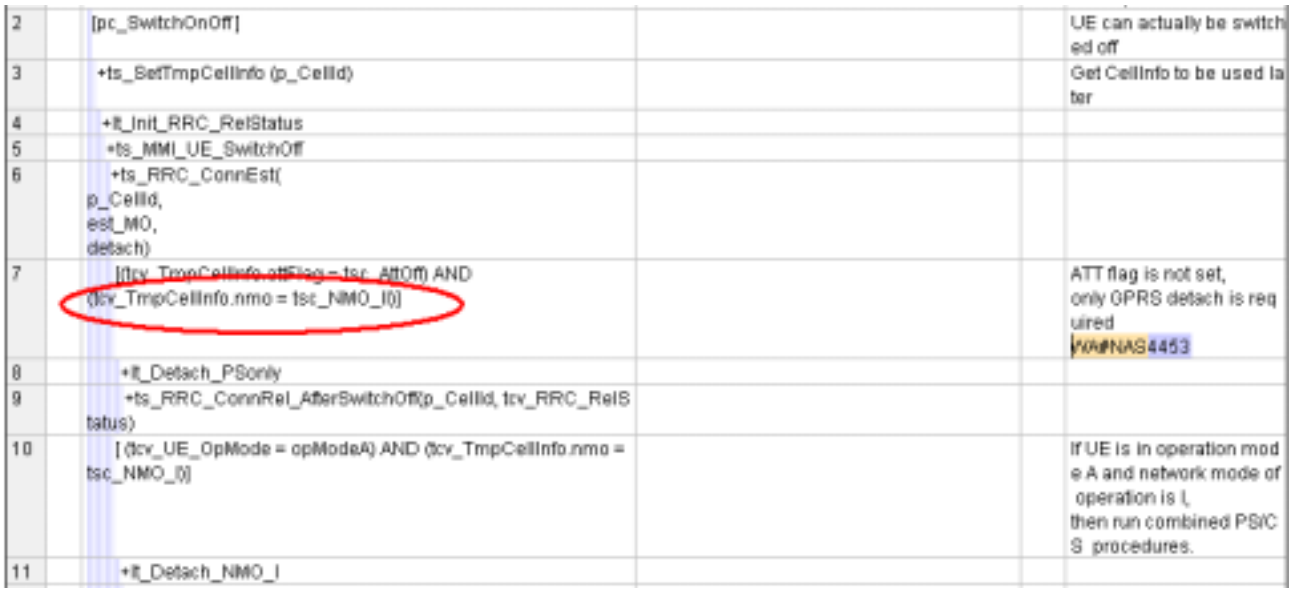
The ATS version used as basis was NAS_wk26.mp which is part of the iWD-TVB2003-03_D04wk26 release. This ATS, provided by MCC160 contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 12.4.1.3:

WA#NAS4395, WA#NAS4426 & WA#NAS4427

4.2 ts_GMM_DetachOnSwitchOff (WA#NAS4453)

Test step name	ts_GMM_DetachOnSwitchOff
Reason for change	PS detach would be performed in an NMO_II test case, if ATT Flag is OFF
Summary of change	Added (tcv_TmpCellInfo.attFlag = tsc_AttOff)
Source of change	New change
Label	WA#NAS4453

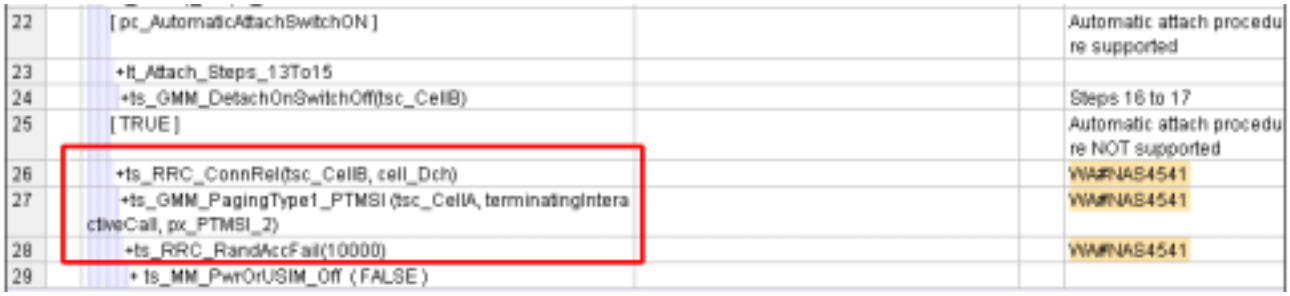


2	[pc_SwitchOnOff]		UE can actually be switched off
3	+ts_SetTmpCellInfo (p_CellId)		Get CellInfo to be used later
4	+lt_Init_RRC_RelStatus		
5	+ts_MMI_UE_SwitchOff		
6	+ts_RRC_ConnEst(p_CellId, est_MO, detach)		
7	[(tcv_TmpCellInfo.attFlag = tsc_AttOff) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]		ATT flag is not set, only GPRS detach is required WA#NAS4453
8	+lt_Detach_PSonly		
9	+ts_RRC_ConnRel_AfterSwitchOff(p_CellId, tcv_RRC_RelStatus)		
10	[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]		If UE is in operation mode A and network mode of operation is I, then run combined PS/CS procedures.
11	+lt_Detach_NMO_I		

4.3 tc_12_4_1_3

4.3.1 WA#NAS4541

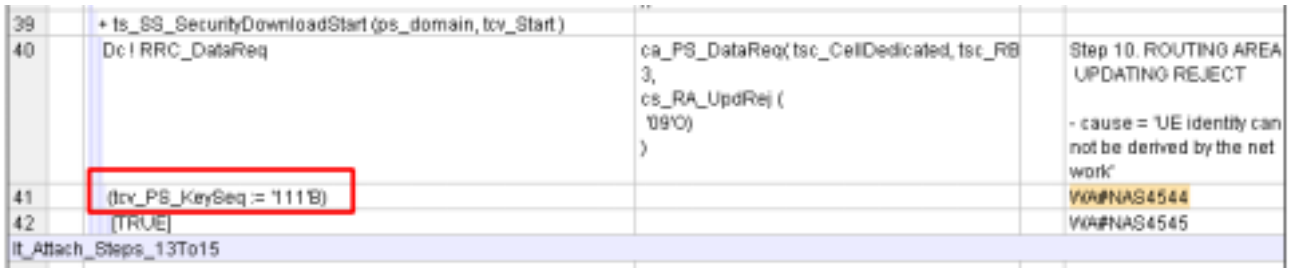
Test step name	tc_12_4_1_3 : lt_TestBody
Reason for change	According the the prose, UE's not supporting Automatic attach should be paged with a Paging Type 1 & check if any response is received for the next 10s
Summary of change	Added additional test steps to release RRC Connection, Perform Paging message & check if any messages are received from the UE for 10s
Source of change	New change
Label	WA#NAS4541



22	[pc_AutomaticAttachSwitchON]		Automatic attach procedure supported
23	+lt_Attach_Steps_13To15		
24	+ts_GMM_DetachOnSwitchOff(tsc_CellB)		Steps 16 to 17
25	[TRUE]		Automatic attach procedure NOT supported
26	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)		WA#NAS4541
27	+ts_GMM_PagingType1_PTMSI (tsc_CellA, terminatingInteractiveCall, px_PTMSI_2)		WA#NAS4541
28	+ts_RRC_RandAccFail(10000)		WA#NAS4541
29	+ ts_MM_PwrOrUSIM_Off (FALSE)		

4.3.2 WA#NAS4544

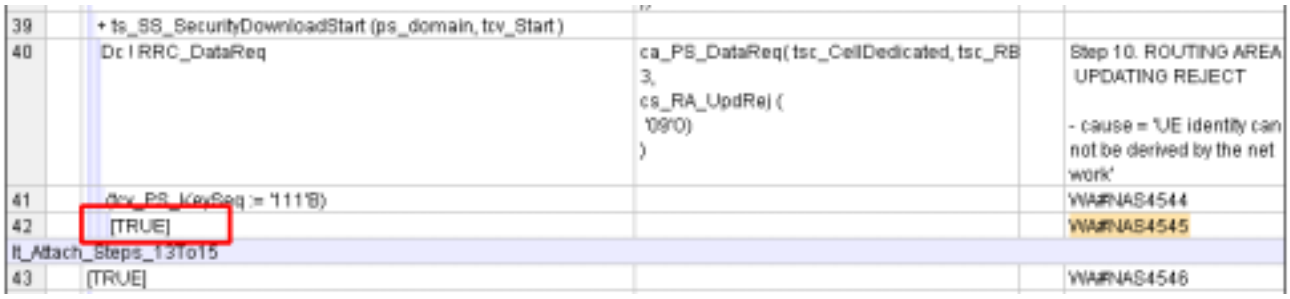
Test step name	tc_12_4_1_3 : lt_RARej_Steps_9To10
Reason for change	According to 24.008, If a reject cause of 'MS identity cannot be derived by the network' ('09'O) is sent to the UE, The MS shall delete any P-TMSI, P-TMSI signature, RAI and GPRS ciphering key sequence number
Summary of change	Added "tcv_PS_KeySeq := '111'B"
Source of change	New change
Label	WA#NAS4544



39	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)		
40	Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB 3, cs_RA_UpdRej ('09'O))	Step 10. ROUTING AREA UPDATING REJECT - cause = 'UE identity can not be derived by the net work'
41	(tcv_PS_KeySeq := '111'B)		WA#NAS4544
42	[TRUE]		WA#NAS4545
lt_Attach_Steps_13To15			

4.3.3 WA#NAS4545

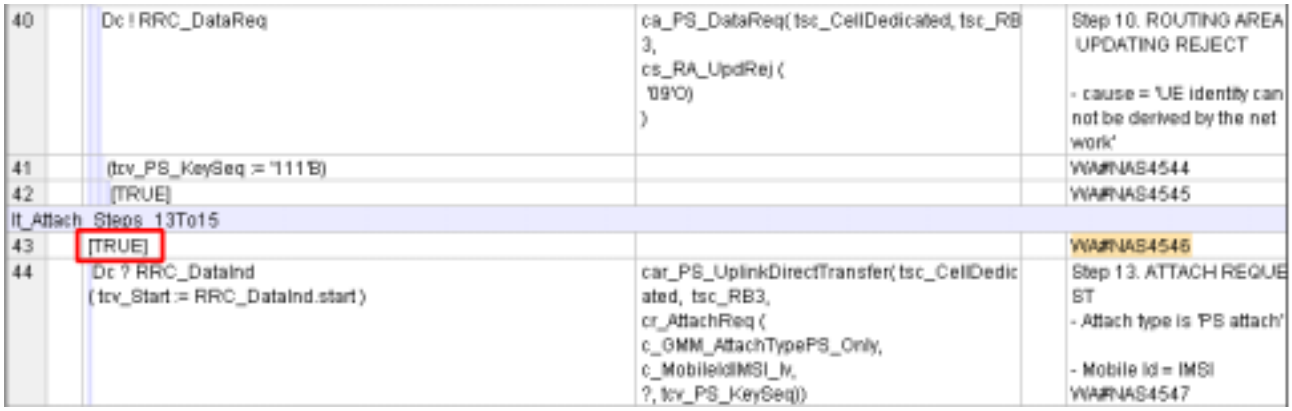
Test step name	tc_12_4_1_3 : lt_RARej_Steps_9To10
Reason for change	UE's supporting Automatic Attach would send the Attach Request message in the same RRC Connection, therefore the RRC Connection need not be released
Summary of change	Replaced "ts_RRC_ConnRel" with "[TRUE]"
Source of change	New change
Label	WA#NAS4545



39	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)		
40	Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB 3, cs_RA_UpdRej ('09'O))	Step 10. ROUTING AREA UPDATING REJECT - cause = 'UE identity can not be derived by the net work'
41	(tcv_PS_KeySeq := '111'B)		WA#NAS4544
42	[TRUE]		WA#NAS4545
lt_Attach_Steps_13To15			
43	[TRUE]		WA#NAS4546

4.3.4 WA#NAS4546

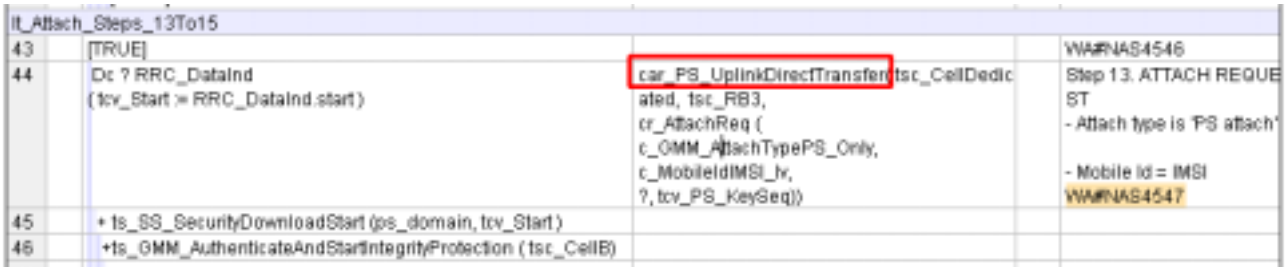
Test step name	tc_12_4_1_3 : lt_Attach_Steps_13To15
Reason for change	UE's supporting Automatic Attach would send the Attach Request message in the same RRC Connection, therefore a new RRC Connection need not be present
Summary of change	Replaced "ts_RRC_ConnEst" with "[TRUE]"
Source of change	New change
Label	WA#NAS4546



40	Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB 3, cs_RA_UpdRej ('09'O))	Step 10. ROUTING AREA UPDATING REJECT - cause = 'UE identity can not be derived by the net work'
41	(tcv_PS_KeySeq := '111'B)		WA#NAS4544
42	[TRUE]		WA#NAS4545
lt_Attach_Steps_13To15			
43	[TRUE]		WA#NAS4546
44	Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_GMM_AttachTypePS_Only, c_MobileIdIMSI_lv, ?, tcv_PS_KeySeq))	Step 13. ATTACH REQUEST - Attach type is 'PS attach' - Mobile Id = IMSI WA#NAS4547

4.3.5 WA#NAS4547

Test step name	tc_12_4_1_3 : lt_Attach_Steps_13To15
Reason for change	If the Attach request message is sent in the same RRC connection then the ASP constraint used should be "car_PS_UplinkDirectTransfer"
Summary of change	Replaced "car_PS_InitDirectTransfer" with "car_PS_UplinkDirectTransfer"
Source of change	New change
Label	WA#NAS4547



lt_Attach_Steps_13To15			
43	[TRUE]		WA#NAS4546
44	Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_GMM_AttachTypePS_Only, c_MobileIdIMSI_lv, ?, tcv_PS_KeySeq))	Step 13. ATTACH REQUEST - Attach type is 'PS attach' - Mobile id = IMSI WA#NAS4547
45	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)		
46	+ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellB)		

5 Branches executed in test case 12.4.1.3

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

6 Execution Log Files

6.1 Nokia 7600

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

- **Execution log files 12_4_1_3_Logs-Nokia-AutoAttachOFF\Index.html**
  Execution log files 12_4_1_3_Logs-Nokia-AutoAttachON\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_4_1_3-pics-pixit-Nokia-AutoAttachOFF.html**
  PICS/PIXIT file 12_4_1_3-pics-pixit-Nokia-AutoAttachON.html
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

6.2 Motorola A845

The Motorola A845 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 12_4_1_3_Logs-Motorola-AutoAttachOFF\Index.html**
  Execution log files 12_4_1_3_Logs-Motorola-AutoAttachON\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_4_1_3-pics-pixit-Motorola-AutoAttachOFF.html**
  PICS/PIXIT file 12_4_1_3-pics-pixit-Motorola-AutoAttachON.html
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

7 References

[1] **T1s040453**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **427** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 12.6.1.3.2 to NAS ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	12/08/2004
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 12.6.1.3.2 to the approved NAS ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 12.6.1.3.2 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

Other specs affected: ⌘	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 ***Tdoc ⌘T1s040456***
01 Jan - 31 Dec 2004

Title: **Changes to test case 12.6.1.3.2 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 12.6.1.3.2 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_12_6_1_3_2
Test Group:	GMM/ Authentication_and_ciphering
ATS Version:	iWD-TVB2003-03_D04wk26 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Motorola A845
Verification Status:	PASS

4 Corrections required for test case 12.6.1.3.2

4.1 Introduction

This section describes the changes required to make test case 12.6.1.3.2 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

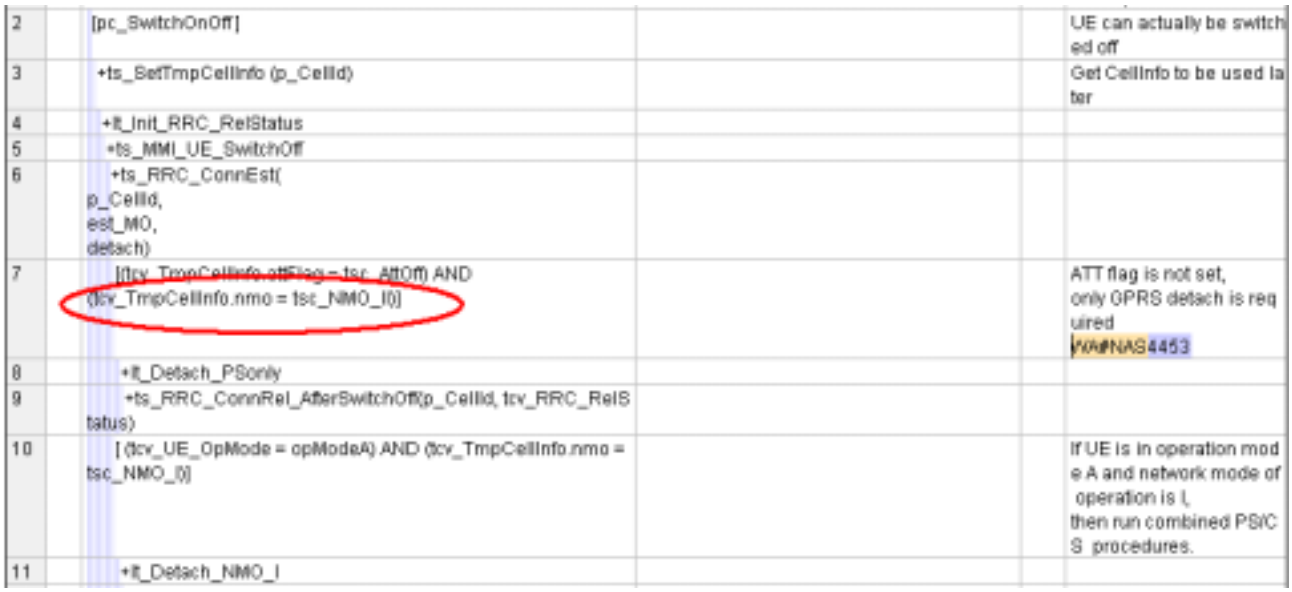
The ATS version used as basis was NAS_wk26.mp which is part of the iWD-TVB2003-03_D04wk26 release. This ATS, provided by MCC160 contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 12.6.1.3.2:

WA#NAS4395, WA#NAS4426 & WA#NAS4427

4.2 ts_GMM_DetachOnSwitchOff (WA#NAS4453)

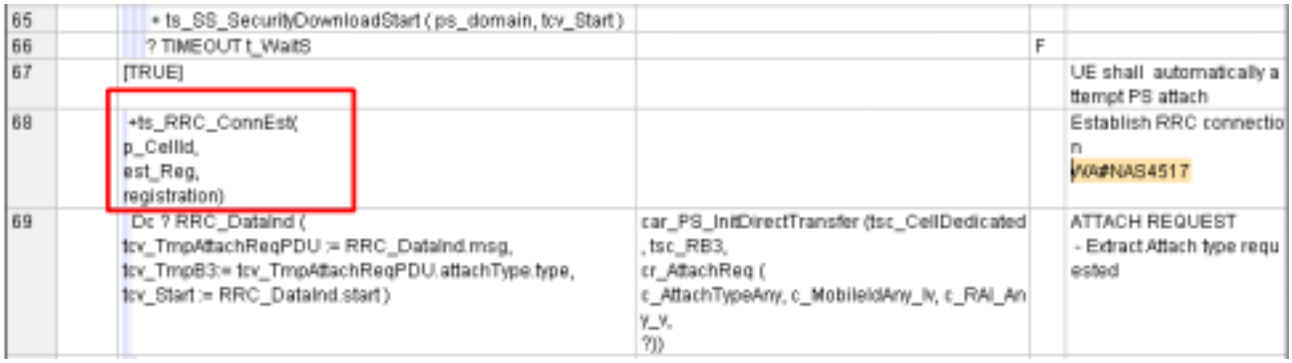
Test step name	ts_GMM_DetachOnSwitchOff
Reason for change	PS detach would be performed in an NMO_II test case, if ATT Flag is OFF
Summary of change	Added (tcv_TmpCellInfo.nmo = tsc_NMO_II)
Source of change	New change
Label	WA#NAS4453



2	[pc_SwitchOnOff]			UE can actually be switched off
3	+ts_SetTmpCellInfo (p_CellId)			Get CellInfo to be used later
4	+lt_Init_RRC_RelStatus			
5	+ts_MMI_UE_SwitchOff			
6	+ts_RRC_ConnEst(p_CellId, est_MO, detach)			
7	[(tcv_TmpCellInfo.attFlag = tsc_AttOff) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]			ATT flag is not set, only GPRS detach is required WA#NAS4453
8	+lt_Detach_PSonly			
9	+ts_RRC_ConnRel_AfterSwitchOff(p_CellId, tcv_RRC_RelStatus)			
10	[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]			If UE is in operation mode A and network mode of operation is I, then run combined PS/CS procedures.
11	+lt_Detach_NMO_I			

4.3 ts_GMM_AttachReject (WA#NAS4517)

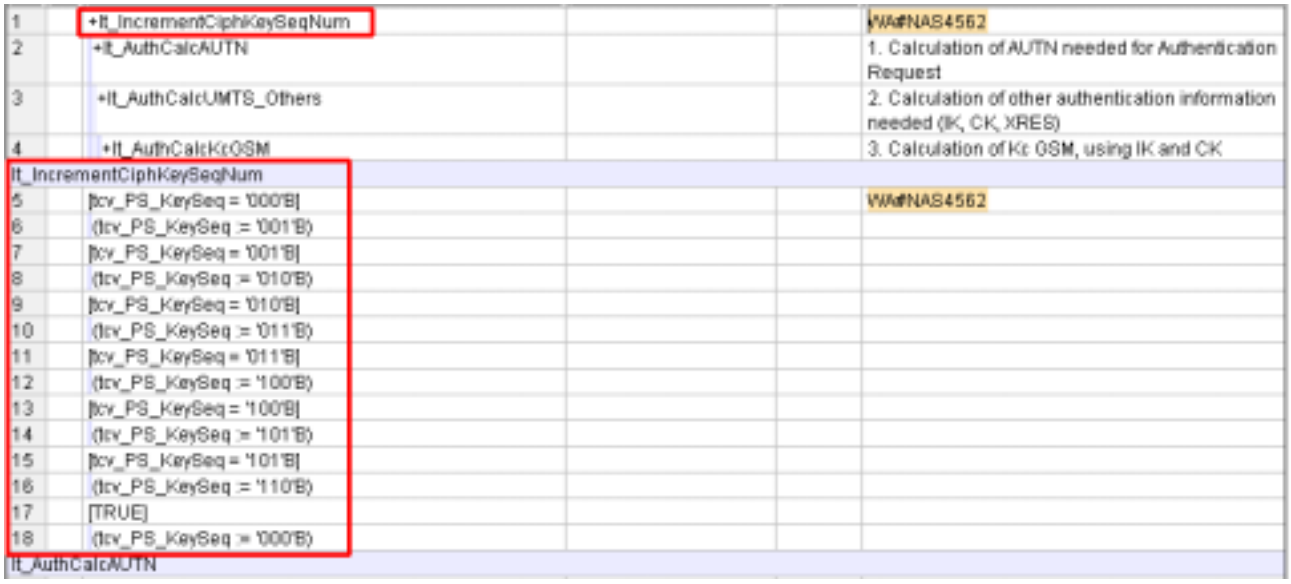
Test step name	ts_GMM_AttachReject
Reason for change	Missing RRC Connection establishment test step before Attach Request PDU
Summary of change	Add "ts_RRC_ConnEst" in "ts_GMM_AttachReject : lt_GMMOnly_TriggerAttach" in TTCN rows 68
Source of change	New change
Label	WA#NAS4517



65	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
66	? TIMEOUT t_WaitS		F	
67	[TRUE]			UE shall automatically attempt PS attach
68	+ts_RRC_ConnEst(p_CellId, est_Reg, registration)			Establish RRC connection WA#NAS4517
69	Dc ? RRC_DataInd (tcv_TmpAttachReqPDU := RRC_DataInd.msg, tcv_TmpB3:= tcv_TmpAttachReqPDU.attachType.type, tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_AttachTypeAny, c_MobileIdAny_iv, c_RAI_Any_v, ?))		ATTACH REQUEST - Extract Attach type requested

4.4 ts_GMM_AuthenticationInit_InvalidSQN (WA#NAS4562)

Test step name	ts_GMM_AuthenticationInit_InvalidSQN
Reason for change	All necessary parameters for Authentication should be initialised accordingly except "tcv_AuthAMF".
Summary of change	Added PS Key sequence incrementation
Source of change	New change
Label	WA#NAS4562



4.5 c_AuthenticationFailureParameter (WA#NAS4500)

Test step name	c_AuthenticationFailureParameter
Reason for change	According to 24.008 Clau 9.4.10a, Incorrect IEI assigned
Summary of change	Replaced '00100001'B with '00110000'B
Source of change	New change
Label	WA#NAS4500

Constraint Name:	c_AuthenticationFailureParameter (p_AUTS : BITSTRING)
Group:	
Type Name:	AuthenticationFailureParameter
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP

Element Name	Element Value	Type Encoding	Comments
iei	'00110000'B		WA#NAS4500
iel	'0E'O		AUTS consists of 14 octets
auts	p_AUTS		

4.6 tc_12_6_1_3_2

4.6.1 WA#NAS4575

Test step name	tc_12_6_1_3_2
Reason for change	Local test step "lt_Verifiy_AuthenticationParams" no longer needed, as RES values are calculated using 2 different local test steps for Authentication response with & without extension
Summary of change	Removed redundant local test step "lt_Verifiy_AuthenticationParams"
Source of change	New change
Label	WA#NAS4575

4.6.2 WA#NAS4572

Test step name	tc_12_6_1_3_2 : lt_Steps_4To13
Reason for change	Variable "tcv_AuthAMF" not initialised to the correct default value after Step7
Summary of change	Initialised "tcv_AuthAMF" with "px_AuthAMF"
Source of change	New change
Label	WA#NAS4572

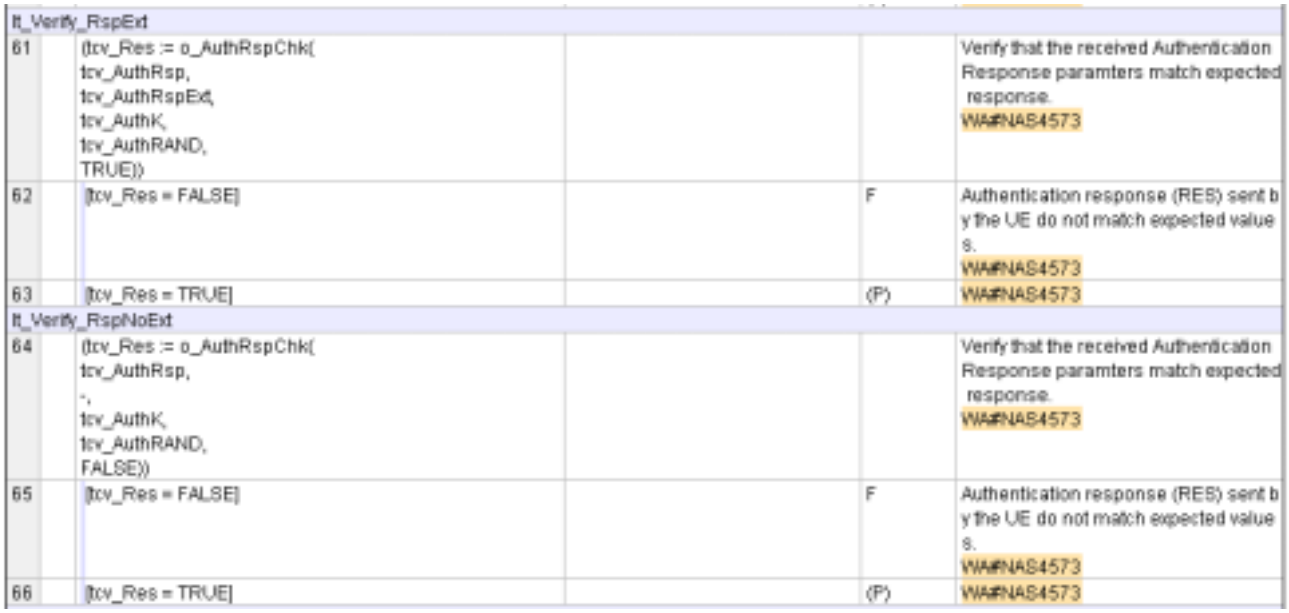
40	Dc ? RRC_DataInd (tcv_TmpAuthAndCiphFailPDU := RRC_DataInd.msg, tcv_AuthAUTS := tcv_TmpAuthAndCiphFailPDU.authFailurePar.auts)	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AuthAndCiphFailure ('15'O, c_AuthenticationFailureParameter ('"B)))		Step 7. AUTHENTICATION AND CIPHERING FAILURE - GMM cause is "Synch failure' - AUTS @sic VB ER1560 sic@
41	(tcv_AuthAMF := px_AuthAMF)			WA#NAS4572
42	+ts_GMM_AuthenticationInit			Now compute valid authentication parameters

4.6.3 WA#NAS4569

Test step name	tc_12_6_1_3_2 : lt_Steps_4To13
Reason for change	According to the prose, in Step 12, the SS should start Integrity protection
Summary of change	Added test step "ts_RRC_Security"
Source of change	New change
Label	WA#NAS4569

44	+lt_AuthAndCiph_Rsp_Steps_10To11			Step 10. WA#NAS4573
45	+ts_RRC_Security (tsc_CellA, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			Step 11. WA#NAS4574

lt_AuthAndCiph_Rsp_Steps_10To11				
56	Dc ? RRC_DataInd (tcv_TmpAuthAndCiphRspPDU := RRC_DataInd.msg, tcv_AuthRsp := tcv_TmpAuthAndCiphRspPDU.authRsp.value, tcv_AuthRspExt := tcv_TmpAuthAndCiphRspPDU.authRspExt)	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AuthAndCiphRsp2 (c_AuthRspAny_tv, c_AuthCiphRspExtAny, c_AC_RefNum3))		Step 10. AUTHENTICATION AND CIPHERING RESPONSE including Authentication Response and Authentication Response Extension paramters WA#NAS4573
57	+lt_Verify_RspExt			Step 11. Verify that the received Authentication Response (RES) matches expected response. WA#NAS4573
58	Dc ? RRC_DataInd (tcv_TmpAuthAndCiphRspPDU := RRC_DataInd.msg, tcv_AuthRsp := tcv_TmpAuthAndCiphRspPDU.authRsp.value)	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AuthAndCiphRsp2 (c_AuthRspAny_tv, -, c_AC_RefNum3))		Step 10. AUTHENTICATION AND CIPHERING RESPONSE including Authentication Response parameter (no extension) WA#NAS4573
59	+lt_Verify_RspNoExt			Step 11. Verify that the received Authentication Response (RES) matches expected response. WA#NAS4573
60	Dc ? OTHERWISE		(F)	WA#NAS4573



lt_Verify_RspExt				
61	[tcv_Res := o_AuthRspChk(tcv_AuthRsp, tcv_AuthRspExt, tcv_AuthK, tcv_AuthRAND, TRUE)]			Verify that the received Authentication Response paramters match expected response. WA#NAS4573
62	[tcv_Res = FALSE]		F	Authentication response (RES) sent by the UE do not match expected values. WA#NAS4573
63	[tcv_Res = TRUE]		(P)	WA#NAS4573
lt_Verify_RspNoExt				
64	[tcv_Res := o_AuthRspChk(tcv_AuthRsp, -, tcv_AuthK, tcv_AuthRAND, FALSE)]			Verify that the received Authentication Response paramters match expected response. WA#NAS4573
65	[tcv_Res = FALSE]		F	Authentication response (RES) sent by the UE do not match expected values. WA#NAS4573
66	[tcv_Res = TRUE]		(P)	WA#NAS4573

4.6.4 WA#NAS4574

Test step name	tc_12_6_1_3_2 : lt_Steps_4To13
Reason for change	According to the prose, in Step 11, the SS should start Integrity protection
Summary of change	Added test step "ts_RRC_Security"
Source of change	New change
Label	WA#NAS4574

44	+lt_AuthAndCiph_Rsp_Steps_10To11			Step 10. WA#NAS4573
45	+ts_RRC_Security (tsc_CellA, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			Step 11. WA#NAS4574

5 Branches executed in test case 12.6.1.3.2

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

6 Execution Log Files

6.1 Nokia 7600

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

Execution log files 12_6_1_3_2_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_6_1_3_2-pics-pixit-Nokia.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

6.2 Motorola A845

The Motorola A845 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

Execution log files 12_6_1_3_2_Logs-Motorola\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_6_1_3_2-pics-pixit-Motorola.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

7 References

[1] **T1s040457**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **428** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 12.9.14 to NAS ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	12/08/2004
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 12.9.14 to the approved NAS ATS V3.6.0
Summary of change:	⌘	
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 ⌘T1s040458

Title: **Approval of test case 12.9.14**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists the various branches & execution details needed to verify the TTCN implementation of test case 12.9.14 which is part of the NAS test suite.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_12_9_14
Test Group:	GMM/ ServiceRequest_procedures
ATS Version:	iWD-TVB2003-03_D04wk26 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Motorola A845
Verification Status:	PASS

4 Branches executed in test case 12.9.14

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

5 Execution Log Files

5.1 Nokia 3G UE 7600

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

- **Execution log files 12_9_14_Logs-Nokia\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 12_9_14-pics-pixit-Nokia.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

5.2 Motorola A845

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

- **Execution log files 12_9_14_Logs-Motorola\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 12_9_14-pics-pixit-Motorola.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

6 References

[1] **T1s040459**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **424** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.3.5 to NAS ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	13/08/2004
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 9.4.3.5 to the approved NAS ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.3.5 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	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 ⌘T1s040460

Title: **Changes to test case 9.4.3.5 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.3.5 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_4_3_5
Test Group:	MM/ LocationUpdating / AbnormalCases
ATS Version:	iWD-TVB2003-03_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 9.4.3.5

4.1 Introduction

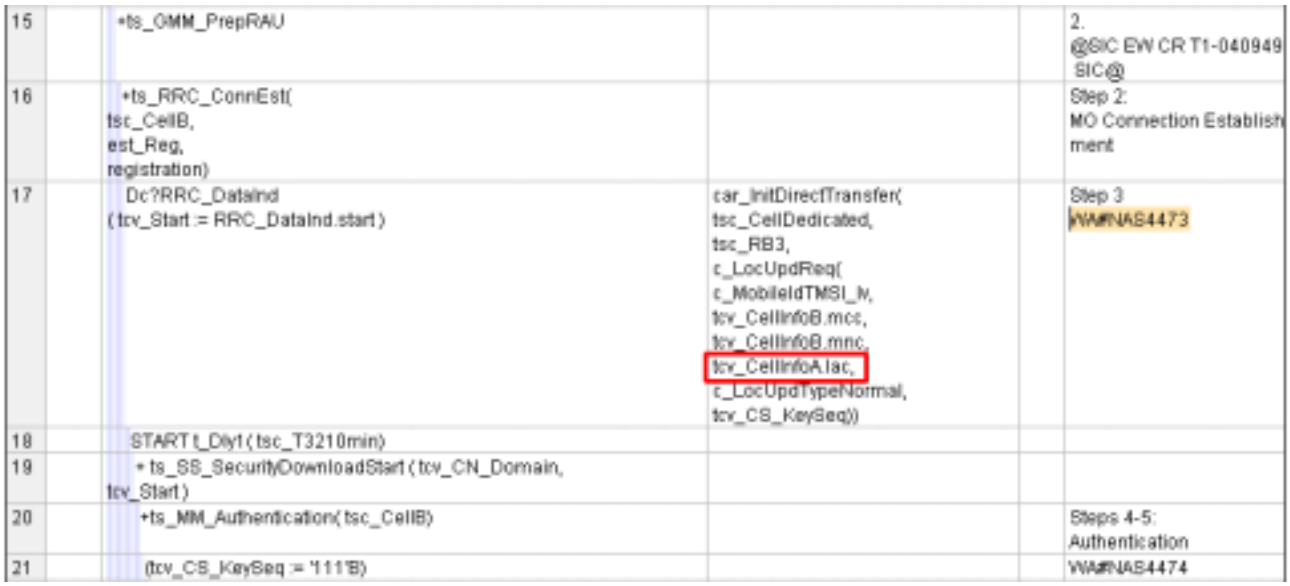
This section describes the changes required to make test case 9.4.3.5 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release. This ATS, provided by MCC160 contains GCF package 1 to 4 test cases.

4.2 tc_9_4_3_5

4.2.1 WA#NAS4473

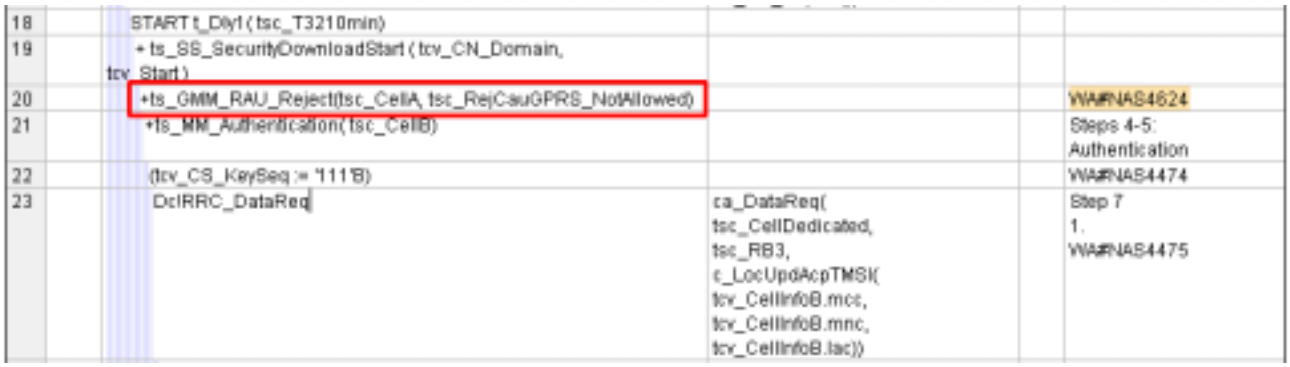
Test step name	tc_9_4_3_5 : lt_TestBody
Reason for change	As UE was registered with Cell A, the subsequent LAU Request message would contain lac of Cell A
Summary of change	Replaced "tcv_CellInfoB.lac" with "tcv_CellInfoA.lac"
Source of change	New change
Label	WA#NAS4473



15		+ts_GMM_PrepRAU		2. @SIC EW CR T1-040949 SIC@
16		+ts_RRC_ConnEst(tsc_CellB, est_Req, registration)		Step 2: MO Connection Establish ment
17		Dc?RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, c_LocUpdReq(c_MobileIdTMSI_Iv, tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoA.lac, c_LocUpdTypeNormal, tcv_CS_KeySeq))	Step 3 WA#NAS4473
18		START t_Dly1 (tsc_T3210min)		
19		+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)		
20		+ts_MM_Authentication(tsc_CellB)		Steps 4-5: Authentication
21		(tcv_CS_KeySeq := '111'B)		WA#NAS4474

4.2.2 WA#NAS4624

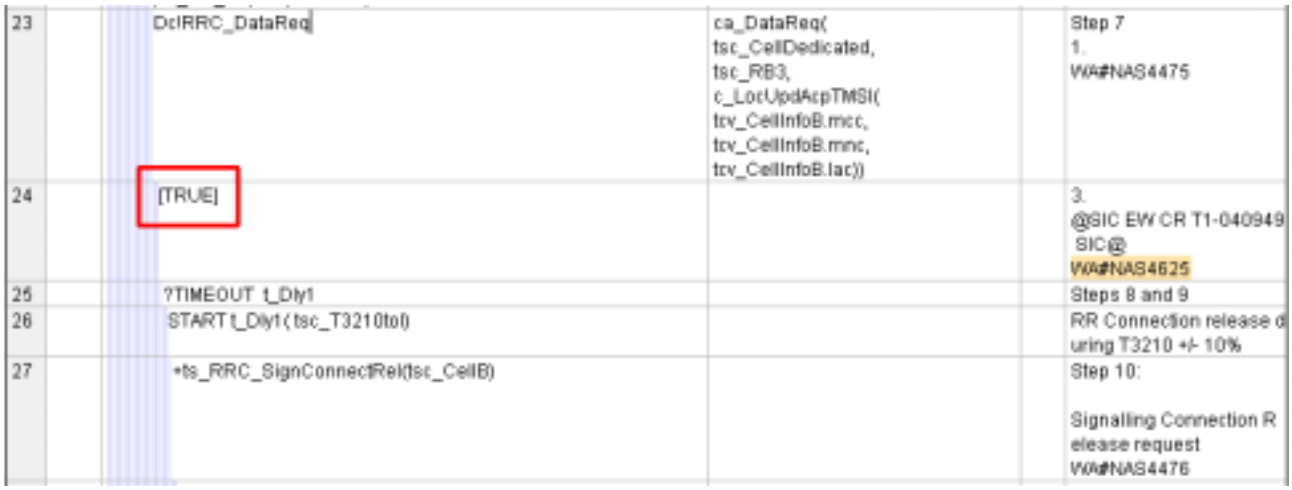
Test step name	tc_9_4_3_5 : lt_TestBody
Reason for change	In this test case, the Routing Area update procedure needs to be completed before sending the Location Update Accept message to the UE in Step 7. This needs to be done because the UE would abort any RR Connections on expiry of T3210 & as a result no dowlink message can be sent. Therefore to prevent executing GMM Authentication & security procedures, the RAU should be rejecetd with cause "GPRS services not allowed"
Summary of change	Added test step ts_GMM_RAU_Reject with a Reject cause "GPRS services not allowed"
Source of change	New change
Label	WA#NAS4624



18		START t_Dly1 (tsc_T3210min)		
19		+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)		
20		+ts_GMM_RAU_Reject(tsc_CellA, tsc_RejCauGPRS_NotAllowed)		WA#NAS4624
21		+ts_MM_Authentication(tsc_CellB)		Steps 4-5: Authentication
22		(tcv_CS_KeySeq := '111'B)		WA#NAS4474
23		DcIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMSI(tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac))	Step 7 1. WA#NAS4475

4.2.3 WA#NAS4625

Test step name	tc_9_4_3_5 : lt_TestBody
Reason for change	In relation to WA#4624, the test step "ts_GMM_RAU_Accept" is not needed any more
Summary of change	Replaced "ts_GMM_RAU_Accept" with "TRUE"
Source of change	New change
Label	WA#NAS4625



23	DclRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMSI(tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac))	Step 7 1. WA#NAS4475
24	[TRUE]		3. @SIC EW CR T1-040949 SIC@ WA#NAS4625
25	?TIMEOUT t_Dly1		Steps 8 and 9
26	START t_Dly1 (tsc_T3210to)		RR Connection release d uring T3210 +/- 10%
27	+ts_RRC_SignConnectRel(tsc_CellB)		Step 10: Signalling Connection R elease request WA#NAS4476

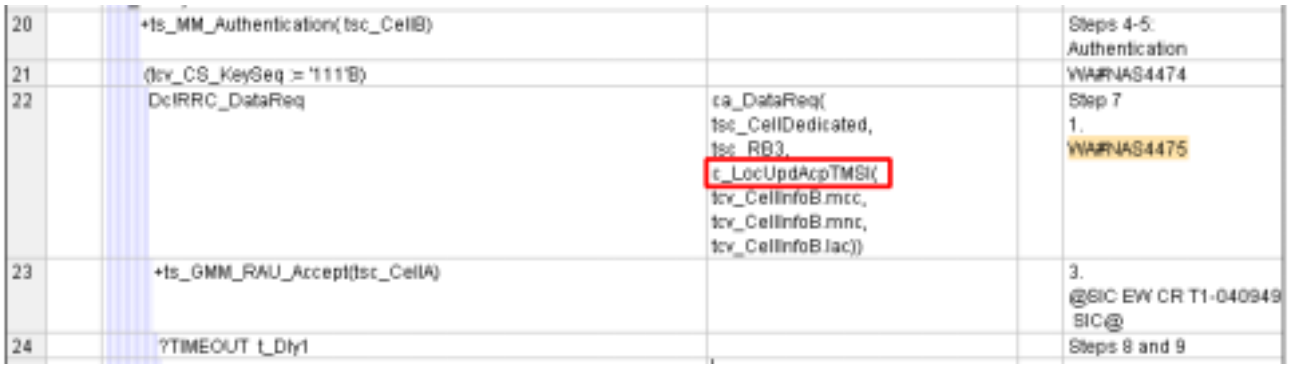
4.2.4 WA#NAS4474

Test step name	tc_9_4_3_5 : lt_RARej_Steps_9To10
Reason for change	As Security mode is not performed at expiry of T3210, CS key sequence would be reset by the UE.
Summary of change	Added (tcv_CS_KeySeq := '111'B)
Source of change	New change
Label	WA#NAS4474

18	START t_Dly1 (tsc_T3210min)		
19	+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)		
20	+ts_MM_Authentication(tsc_CellB)		Steps 4-5: Authentication
21	(tcv_CS_KeySeq := '111'B)		WA#NAS4474
22	DclRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMSI(tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac))	Step 7 1. WA#NAS4475

4.2.5 WA#NAS4475

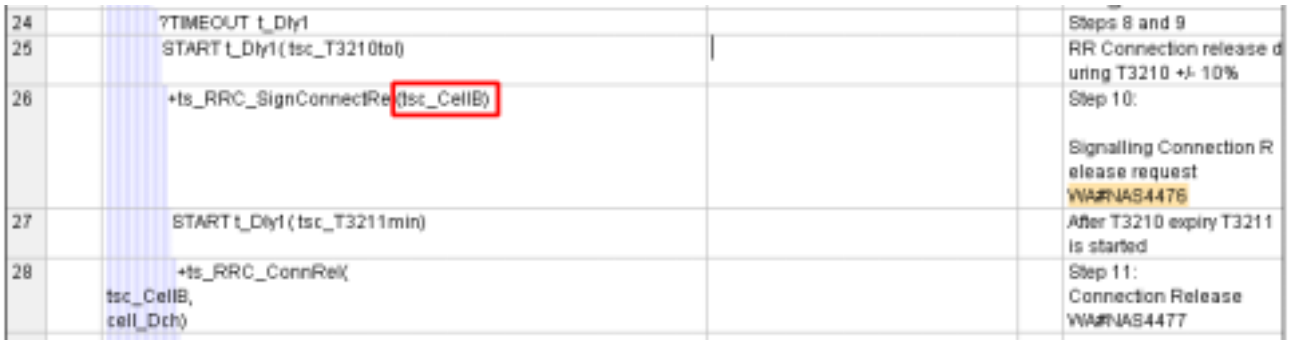
Test step name	tc_9_4_3_5 : lt_RARej_Steps_9To10
Reason for change	In order to make sure the UE ignores the Location Upadte Accept message, the IE TMSI needs to be included. So as to make sure TMSI reallocation complete is not sent by the UE.
Summary of change	Replaced "c_LocUpdAcp" with "c_LocUpdAcpTMSI"
Source of change	New change
Label	WA#NAS4475



20		+ts_MM_Authentication(tsc_CellB)		Steps 4-5: Authentication
21		(tcv_CS_KeySeq := '111'B)		WA#NAS4474
22		DclRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMSI(tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac))	Step 7 1. WA#NAS4475
23		+ts_GMM_RAU_Accept(tsc_CellA)		3. @SIC EW CR T1-040949 SIC@
24		?TIMEOUT t_Dly1		Steps 8 and 9

4.2.6 WA#NAS4476

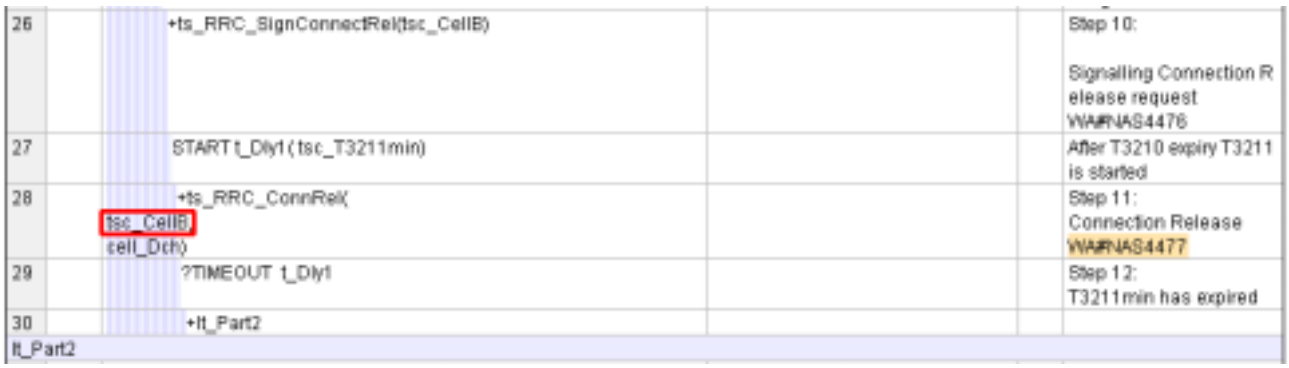
Test step name	tc_9_4_3_5 : lt_Attach_Steps_13To15
Reason for change	Incorrect Cell ID used
Summary of change	Replaced "tsc_CellA" with "tsc_CellB"
Source of change	New change
Label	WA#NAS4476



24		?TIMEOUT t_Dly1		Steps 8 and 9
25		START t_Dly1 (tsc_T3210tol)		RR Connection release during T3210 +/- 10%
26		+ts_RRC_SignConnectRel(tsc_CellB)		Step 10: Signalling Connection Release request WA#NAS4476
27		START t_Dly1 (tsc_T3211min)		After T3210 expiry T3211 is started
28		+ts_RRC_ConnRel(tsc_CellB, cell_Dch)		Step 11: Connection Release WA#NAS4477

4.2.7 WA#NAS4477

Test step name	tc_9_4_3_5 : lt_Attach_Steps_13To15
Reason for change	Incorrect Cell ID used
Summary of change	Replaced "tsc_CellA" with "tsc_CellB"
Source of change	New change
Label	WA#NAS4477



26		+ts_RRC_SignConnectRel(tsc_CellB)		Step 10: Signalling Connection Release request WA#NAS4476
27		START t_Dly1 (tsc_T3211min)		After T3210 expiry T3211 is started
28		+ts_RRC_ConnRel(tsc_CellB cell_Dch)		Step 11: Connection Release WA#NAS4477
29		?TIMEOUT t_Dly1		Step 12: T3211min has expired
30		+lt_Part2		
lt_Part2				

4.2.8 WA#NAS4478

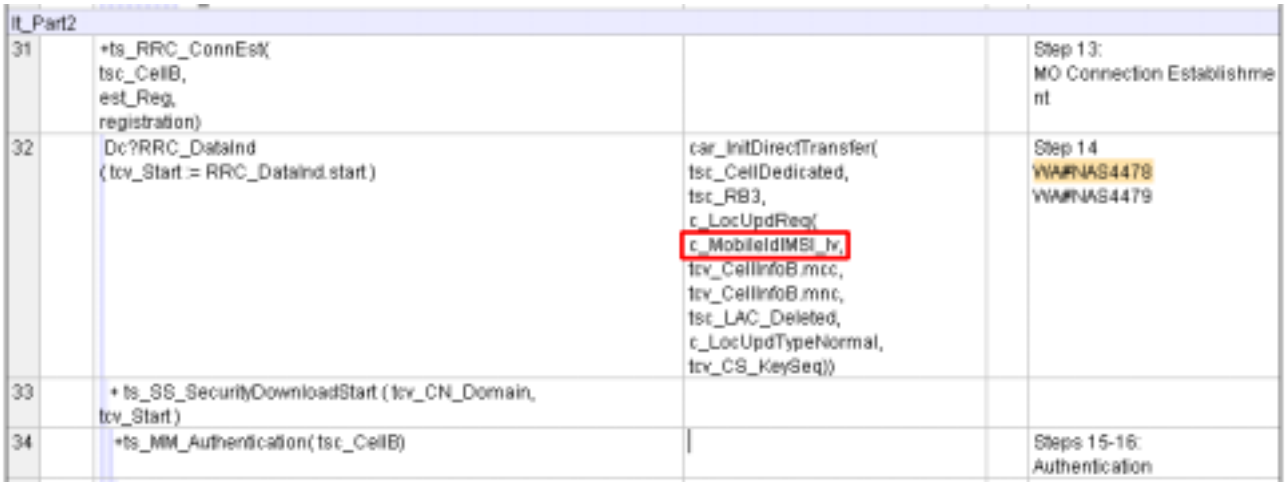
Test step name	tc_9_4_3_5 : lt_Attach_Steps_13To15

Reason for change	According to 24.008 Clause 4.4.4.9, the UE shall delete the LAI at expiry of T3210. Therefore UE would send a LAI value of 'FFFE' which accoriding to 24.008 Clause 10.5.1.3 means the LAI has been deleted.
Summary of change	Replaced "tcv_CellInfoB.lac" with "tsc_LAC_Deleted"
Source of change	New change
Label	WA#NAS4478

lt_Part2				
31		+ts_RRC_ConnEst(tsc_CellB, est_Req, registration)		Step 13: MO Connection Establishme nt
32		Dc?RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, c_LocUpdReq(c_MobileIdIMSI_lv, tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tsc_LAC_Deleted, c_LocUpdTypeNormal, tcv_CS_KeySeq))	Step 14 WA#NAS4478 WA#NAS4479
33		+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)		
34		+ts_MM_Authentication(tsc_CellB)		Steps 15-16: Authentication

4.2.9 WA#NAS4479

Test step name	tc_9_4_3_5 : lt_Attach_Steps_13To15
Reason for change	As integrity was not performed in previous test steps at expiry of T3210, the UE would delete any available TMSI & shall send a LAU request message with its IMSI
Summary of change	Replaced "c_MobileIdTMSI_lv" with "c_MobileIdIMSI_lv"
Source of change	New change
Label	WA#NAS4479



lt_Part2				
31		+ts_RRC_ConnEst(tsc_CellB, est_Req, registration)		Step 13: MO Connection Establishme nt
32		Dc?RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, c_LocUpdReq(c_MobileIdIMSI_lv, tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tsc_LAC_Deleted, c_LocUpdTypeNormal, tcv_CS_KeySeq))	Step 14 WA#NAS4478 WA#NAS4479
33		+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)		
34		+ts_MM_Authentication(tsc_CellB)		Steps 15-16: Authentication

4.2.10 WA#NAS4480

Test step name	tc_9_4_3_5 : lt_Attach_Steps_13To15
Reason for change	For the UE to send a TMSI reallocation complete message, the Location Update Accept message has to contain a TMSI value
Summary of change	Replaced "c_LocUpdAcp" with "c_LocUpdAcpTMSI"

Source of change	New change
Label	WA#NAS4480

4.2.11 WA#NAS4481

Test step name	tc_9_4_3_5 : It_Attach_Steps_13To15
Reason for change	Incorrect Cell ID used
Summary of change	Replaced "tsc_CellA" with "tsc_CellB"
Source of change	New change
Label	WA#NAS4481

5 Branches executed in test case 9.4.3.5

The test case implementation executed the CS & PS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach Off/ON.

6 Execution Log Files

6.1 Nokia 7600

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

- **Execution log files 9_4_3_5_Logs-Nokia-CS\Index.html**
  Execution log files 9_4_3_5_Logs-Nokia-PS-AutoAttach-off\Index.html
  Execution log files 9_4_3_5_Logs-Nokia-PS-AutoAttach-on\Index.html
  These execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 9_4_3_5-pics-pixit-Nokia-CS.html**
  PICS/PIXIT file 9_4_3_5-pics-pixit-Nokia-PS-AutoAttach-off.html
  PICS/PIXIT file 9_4_3_5-pics-pixit-Nokia-PS-AutoAttach-on.html
  HTML file containing all PICS/PIXIT parameters used for testing the CS & PS mode

6.2 Ericsson U100

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

- **Execution log files 9_4_3_5_Logs-Ericsson-CS\Index.html**
  Execution log files 9_4_3_5_Logs-Ericsson-PS\Index.html
  These execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 9_4_3_5-pics-pixit-Ericsson-CS.html**
  PICS/PIXIT file 9_4_3_5-pics-pixit-Ericsson-PS.html
  HTML file containing all PICS/PIXIT parameters used for testing the CS & PS mode

7 References

[1] **T1s040461**
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 ⌘T1s040474

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **449** ⌘**rev** **-** ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of P3 test case 8.4.1.37 to RRC ATS V3.6.1
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	19/08/2004
Category:	⌘	**B**
Release:	⌘	Rel-5

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 3 RRC test case 8.4.1.37 to the approved RRC ATS V3.6.1
Summary of change:	⌘	This document lists all changes applied to test case 8.4.1.37 required for approval. See detailed change description for further information..
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	8.4.1.37

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

Other comments:	⌘	34.123-1 needs to be aligned with this change. Refer to T1-041503.

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

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

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

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

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

Title:	**Changes to test case 8.4.1.37 required for approval**
Source:	Racal Instruments Wireless Solutions, an Aeroflex Company
Document for:	Email Approval
Contact:	**Kundan Sehmbey** kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.4.1.37, which is part of RRC iWD_wk31 test suite. Changes are made so that it can be executed with one or more 3G UE. Please see section 6 for log information.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_4_1_37

Test Group: RRC

ATS Version: iWD_wk31 + modifications

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

UE used: Nokia 3G UE 7600 and Qualcomm 6250

Verification Status: PASS

4 Corrections required for test case 8.4.1.37

4.1 Introduction

The TTCN ATS used is RRC iWD_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	*tc_8_4_1_37*
Reference ATS	*RRC*
Change Label	*RACAL#RRC_0201*
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	
Racal conclusion	

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

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

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

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

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

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

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

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

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

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

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not indicate acceptance of the change request.

4.3 Change 1 - test Suite Constant **tsc_TpcStepSize**

Reason for change	The value of TPC Step size is defined as IE Value + 1 in 25.331. So for 1 dB step size **tsc_TpcStepSize** should be set to 0
Summary of change	Test suite constant **tsc_TpcStepSize** is set to 0.

Constant Name	Type	Value Reference	Comments
tsc_TpcStepSize	TPC_StepSizeFDD	~~1~~0	

4.4 Change 2 - Test case tc_8_4_1_37

Reason for change	1. IE **ue_TransmittedPowerFDD** in Measurement Report Message ranges from +21 to +104 which corresponds to value –50 to +33 as per clause 9.1.6.2 of TS 25.133 2. Incorrect use of Cell Id in line 19 while calling step ts_C3_CheckCellDCH.
Summary of change	1. An offset of +71 is added in line 17 and 18 while checking the value of IE **ue_TransmittedPowerFDD** in Measurement Report 2. **tsc_CellA** is passed instead od **tsc_CellDedicated** in step +ts_C3_CheckCellDCH in line 19.

Test Case

Test Case Id:	tc_8_4_1_37
Test Group Reference:	RRC_Measurements/
Purpose:	1. To confirm that the UE sends a measurement report for event 6c when the UE Tx power reaches its minimum value when event 6c has been configured in the UE through a MEASUREMENT CONTROL message.
Configuration:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT = fdd]			FDD specific behaviour
3		+lt_InitVariables			
4		+ts_SS_CreateCellDCH (tsc_CellA)			
5		+ts_SendDef_sysInfo_MultiCell (tsc_CellA)			

6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Dch state and release the connection again
7		+ts_ToStateMO_CS_6_9_PS_6_10Or6_11 (tsc_CellA)			
8		+lt_TestBody			
9		+po_SHO_ConnectionAndSS_Rel			Postamble : To release the RRC connection and all the SS configuration
10	ERR1	[px_RAT = tdd]			TDD specific behaviour
11	ERR2	[TRUE]		I	
lt_TestBody					
12	TBS	(tcv_TestBody := TRUE)			
13		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlUE_InternalMeas_Event6c (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_T1, 6, eventTrigger))		Step 2 in prose
14		CPHY!CPHY_UL_PowerModify_REQ	ca_UL_PowerModify_REQ (tsc_CellA, tsc_DL_DPCH1, tsc_UL_DPCH1, maxMin: tpc_Down)		Step 3 in prose; UE transmission power set to -50 dBm (minimum); @sic Thomas T1-041010 sic@
15		CPHY?CPHY_UL_PowerModify_CNF	ca_UL_PowerModify_CNF (tsc_CellA, tsc_DL_DPCH1)		@sic Thomas T1-041010 sic@
16	TBP1	AM ?RLC_AM_DATA_IND (tcv_checkUETxPower:= RLC_AM_DATA_IND.aM_message. uL_DCCH_Message.message.measurementReport.measuredResults.ue_InternalMeasuredResults.modeSpecificInfo.fdd.ue_TransmittedPowerFDD)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportUE_InternalMeas_Event6a_6b (6, c_EventResult (event6c : NULL)))	(P)	Step 4 in prose
17	~~TBF1~~	~~[tcv_checkUETxPower < -53]~~		~~(F)~~	
18	~~TBP2~~	~~[(tcv_checkUETxPower >= -53) AND (tcv_checkUETxPower <= -47)]~~		~~(P)~~	
19		~~+ts_C3_CheckCellDCH (tsc_CellDedicated)~~			~~Step 5 in prose;~~
20	TBF1	[(tcv_checkUETxPower < 18) OR (tcv_checkUETxPower > 24)]		(F)	
21	TBP2	[(tcv_checkUETxPower >= 18) AND (tcv_checkUETxPower <= 24)]		(P)	
22		+ts_C3_CheckCellDCH (tsc_CellA)			Step 5 in prose;
23	TBE	(tcv_TestBody := FALSE)		(P)	
lt_InitVariables					
24		+ ts_RRC_InitVariables (cell_DCH)			
25		(tcv_CellInfoA := c_CellInfoDiff (tsc_CellA, px_PriScrmCode, tsc_URA_IdCellA, tsc_CRNTI , tsc_tCellA, tsc_SFN_OffsetA, tcv_FreqInfoMid, px_UL_ScramblingCode))			

5 Branches executed in test case 8.4.1.37

For Nokia 7600, test case was executed with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to cs_domain and ps_domain.

For Qualcomm 6250, test case was executed with pc_CS=TRUE, pc_PS=FALSE, px_CN_DomainTested set to cs_domain and with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to ps_domain.

.

6 Execution Log Files

Nokia 7600 and Qualcomm 6250 UEs have been used and this test case passed in both CS and PS paths on the Racal Instruments Wireless Solution 6401 AIME/CT Test platform. Logs of the successful test case execution is enclosed in T1s040475[2].

7 References

[1]	RRC iWD_wk31.mp
[2]	T1s040475 [2].zip Attachment containing the successful log and the TTCN MP file for 8.4.1.37

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

Tdoc ⌘T1s040476

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **450** ⌘**rev** **-** ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of P3 test case 8.4.1.38 to RRC ATS V3.6.1
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	19/08/2004
Category:	⌘	**B**
Release:	⌘	Rel-5

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 3 RRC test case 8.4.1.38 to the approved RRC ATS V3.6.1
Summary of change:	⌘	This document lists all changes applied to test case 8.4.1.38 required for approval. See detailed change description for further information..
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	8.4.1.38				
Other specs affected:	⌘	**Y**	**N**		⌘	
			X	Other core specifications		
		X		Test specifications		34.123-1
			X	O&M Specifications		
Other comments:	⌘	34.123-1 needs to be aligned with this change. Refer to T1-041504.				

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

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

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

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

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

Title:	**Changes to test case 8.4.1.38 required for approval**
Source:	Racal Instruments Wireless Solutions, an Aeroflex Company
Document for:	Email Approval
Contact:	**Kundan Sehmbey** kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.4.1.38, which is part of RRC iWD_wk31 test suite. Changes are made so that it can be executed with one or more 3G UE. Plesae see section 6 for log information.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_4_1_38

Test Group: RRC

ATS Version: iWD_wk31 + modifications

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

UE used: Nokia 3G UE 7600 and Qualcomm 6250

Verification Status: PASS

4 Corrections required for test case 8.4.1.38

4.1 Introduction

The TTCN ATS used is RRC iWD_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	*tc_8_4_1_38*
Reference ATS	*RRC*
Change Label	*RACAL#RRC_0201*
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	
Racal conclusion	

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

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

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

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

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

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

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

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

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

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

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not indicate acceptance of the change request.

4.3 Change 1 - test Suite Constant **tsc_TpcStepSize**

Reason for change	The value of TPC Step size is defined as IE Value + 1 in 25.331. So for 1 dB step size **tsc_TpcStepSize** should be set to 0
Summary of change	Test suite constant **tsc_TpcStepSize** is set to 0.

Constant Name	Type	Value Reference	Comments
tsc_TpcStepSize	TPC_StepSizeFDD	~~1~~0	

4.4 Change 2 - Test case tc_8_4_1_38

Reason for change	1. IE **ue_TransmittedPowerFDD** in Measurement Report Message ranges from +21 to +104 which corresponds to value –50 to +33 as per clause 9.1.6.2 of TS 25.133. 2. Maximum Value for UE Tx Power is +21 dBm instead of +31 dBm. 3. Incorrect use of Cell Id in line 19 while calling step ts_C3_CheckCellDCH.
Summary of change	1. An offset of +71 is added in line 17 and 18 while checking the value of IE **ue_TransmittedPowerFDD** in Measurement Report 2. Value checked in measurement report should be should be 71+21 –3 (Tolerence) = 89. 3. **tsc_CellA** is passed instead od **tsc_CellDedicated** in step +ts_C3_CheckCellDCH in line 19.

Test Case

Test Case Id:	tc_8_4_1_38
Test Group Reference:	RRC_Measurements/
Purpose:	1. To confirm that the UE sends a measurement report for event 6d when the UE Tx power reaches its maximum value when event 6d has been configured in the UE through a MEASUREMENT CONTROL message.
Configuration:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT = fdd]			FDD specific behaviour
3		+lt_InitVariables			

4		+ts_SS_CreateCellDCH (tsc_CellA)			
5		+ts_SendDef_sysInfo_MultiCell (tsc_CellA)			
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Dch state and release the connection again
7		+ts_ToStateMO_CS_6_9_PS_6_10Or6_11 (tsc_CellA)			
8		+lt_TestBody			
9		+po_SHO_ConnectionAndSS_Rel			Postamble : To release the RRC connection and all the SS configuration
10	ERR1	[px_RAT = tdd]			TDD specific behaviour
11	ERR2	[TRUE]		I	
lt_TestBody					
12	TBS	(tcv_TestBody := TRUE)			
13		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlUE_InternalMeas_Event6d (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_T1, 6, eventTrigger))		Step 2 in prose
14		CPHY!CPHY_UL_PowerModify_REQ	ca_UL_PowerModify_REQ (tsc_CellA, tsc_DL_DPCH1, tsc_UL_DPCH1, maxMin: tpc_Up)		Step 3 in prose; UE transmission power set to maximum level; @sic Thomas T1-041010 sic@
15		CPHY?CPHY_UL_PowerModify_CNF	ca_UL_PowerModify_CNF (tsc_CellA, tsc_DL_DPCH1)		@sic Thomas T1-041010 sic@
16	TBP1	AM ?RLC_AM_DATA_IND (tcv_checkUETxPower:= RLC_AM_DATA_IND.aM_message. uL_DCCH_Message.message.measurementReport.measuredResults.ue_InternalMeasuredResults.modeSpecificInfo.fdd.ue_TransmittedPowerFDD)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportUE_InternalMeas_Event6a_6b (6, c_EventResult (event6d : NULL)))	(P)	Step 4 in prose
17	~~TBF1~~	~~[tcv_checkUETxPower < 30]~~		~~(F)~~	
18	~~TBP2~~	~~[tcv_checkUETxPower >= 30]~~		~~(P)~~	
19		~~+ts_C3_CheckCellDCH (tsc_CellDedicated)~~			~~Step 5 in prose;~~
20	TBF1	[tcv_checkUETxPower < 89]		(F)	
21	TBP2	[tcv_checkUETxPower >= 89]		(P)	
22		+ts_C3_CheckCellDCH (tsc_CellA)			Step 5 in prose;
23	TBE	(tcv_TestBody := FALSE)		(P)	
lt_InitVariables					
24		+ ts_RRC_InitVariables (cell_DCH)			
25		(tcv_CellInfoA := c_CellInfoDiff (tsc_CellA, px_PriScrmCode, tsc_URA_IdCellA, tsc_CRNTI , tsc_tCellA, tsc_SFN_OffsetA, tcv_FreqInfoMid, px_UL_ScramblingCode))			

5 Branches executed in test case 8.4.1.38

For Nokia 7600, test case was executed with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to cs_domain and ps_domain.

For Qualcomm 6250, test case was executed with pc_CS=TRUE, pc_PS=FALSE, px_CN_DomainTested set to cs_domain and with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to ps_domain.

6 Execution Log Files

Nokia 7600 and Qualcomm 6250 UEs have been used and this test case passed in both CS and PS paths on the Racal Instruments Wireless Solution 6401 AIME/CT Test platform. Logs of the successful test case execution is enclosed in T1s040477[2].

7 References

[1]	RRC iWD_wk31.mp
[2]	T1s040477 [2].zip Attachment containing the successful log and and the TTCN MP file for 8.4.1.38

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

T1S ⌘0404840~~3xxxx~~

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	456	⌘ rev	1 ~~1~~	⌘	Current version:	3.6.0	⌘

*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:	⌘	Correction to GCF P1 test case 8.3.1.1
Source:	⌘	Anritsu Ltd
Work item code:	⌘	N/A
Date:	⌘	18/08/2004
Category:	⌘	**F**
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 reconfigure the RLC PU size after the last CellUpdate procedure to ensure the rrcConnectionRelease Message is sent out properly by the SS.
Summary of change:	⌘	
Consequences if not approved:	⌘	Test case will fail.

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.

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-Mail 2004

T1S-040484~~2(8.1.1.8)~~

01 Jan - 31 Dec 2004

Title	Correction to GCF P1 test case 8.3.1.1
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 required. This test case has been tested according to the configuration stated below:-

Reference document	TS 34.123-1 version 5.8.0 TS34.108 version 5.1.0
Referenced CRs	None
Based ATS suite	iWD-TVB2003-03_D04wk31
Integrity	Enabled
Ciphering	Disabled
Path tested	CS and PS

2 Tables added to iWD-TVB2003-03_D04wk31

None

3 Tables Modifed to iWD-TVB2003-03_D04wk31

Reason for change:

After the last CellUpdateConfirm, the SS and UE will stop using the URNTI, instead they will use the new C-RNTI. As result, the PU size for SRB2 must be reconfigured (increased from 120 to 136) due to the change of RNTI.

Changes made:

Line 39, `ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)` changed to `+ts_CMAC_New_RNTI_Reconf (FALSE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI`

Test Case	
	tc_8_3_1_1
erence:	RRC/RRC_CellUpdate/
	1. To confirm that the UE executes a cell update procedure after the successful reselection UTRA cell. 2. To confirm that the UE sends the correct uplink response message when executin procedure due to cell reselection
	RRC_Def1

Behaviour Description	Constraint Ref	Verdict	
ART t_Guard			
px_RAT=fdd]			F b
+lt_RRC_InitVariables			I C
(tcv_SIB1 := cb_SIB1_Def (tcv_CellInfoA))			@ 1 G
(tcv_SIB1.ue_ConnTimersAndConstants.t_312 := 2)			@ 1 G T
+pr_GotoState6_11_MO_NewSIB1 (tsc_CellA, v_SIB1)			G 1 @ 1 G
+ts_SS_CreateCellFACH (tsc_CellB)			C t
(tcv_SIB1 := cb_SIB1_Def (tcv_CellInfoB))			@

			1 6
(tcv_SIB1.ue_ConnTimersAndConstants.t_312 :=)			@ 1 6 T
+ts_SendDefSysInfo_NewSIB1 (tsc_CellB, :v_SIB1)			@ 1 6
(tcv_TestBody:=TRUE)			
+lt_TestBody			
+ts_C2_CheckCellFACH (tsc_CellA)			S
(tcv_TestBody:=FALSE)			
+po_ConnectionAndSS_Rels			F
px_RAT=tdd]		I	T b
TRUE]		I	
s_SS_SwitchCellPowerLevels (tsc_CellA, tsc_CellB)			S
ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellB, lr_CellUpdateAny (tcv_CellInfoA.uRNTI, llReselection), (tsc_MaxCampingTime * 1000))			S W t c r t c 3 C m " r i " c
+ts_HO_ReconfFACH_ToFACH (tsc_CellA,tsc_CellB)			C D m C
+ ts_CMAC_New_RNTI_Reconf (TRUE, c_CellB,tcv_CellInfoA.uRNTI, tcv_CellInfoB.cRNTI)			C c U s r F u t
UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_FACH , OMIT, OMIT, OMIT))		S s U w S " " N

+ts_RRC_ReceiveCellUpdateNonPeriodic (sc_CellB, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, llReselection), (1000))			. s U w r i " c
(tcv_CellInfoB.cRNTI := tsc_New_CRNTI2)			
UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tcv_CellInfoB.cRNTI, cell_FACH , OMIT, OMIT, OMIT))		S s U
+ts_CMAC_NewU_RNTI_Reconf (tsc_CellB, v_CellInfoB.uRNTI, tcv_CellInfoB.cRNTI)			S r
START t_WaitS			
? TIMEOUT t_WaitS		(F)	
AM ? RLC_AM_DATA_IND CANCEL t_WaitS	car_RRC_UtranMobilityInfoCnf (tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))	(P)	S @ 2 0
(tcv_K:=0)			M
+lt_Loop_Steps_6To28			S
+ts_RRC_Delay (500)			@ 2 s
+ts_SS_SwitchCellPowerLevels (sc_CellA, tsc_CellB)			S
+ts_RRC_ReceiveCellUpdateNonPeriodic sc_CellB, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, llReselection),15000)			S C c @ F w
+ts_SS_SwitchCellPowerLevels (sc_CellA, tsc_CellB)			S
+ts_RRC_ReceiveCellUpdateNonPeriodic sc_CellA, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, llReselection),15000)			S C c @ T
+ts_CMAC_New_RNTI_Reconf (TRUE, sc_CellA, v_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			C c U s r F u t
UM ! RLC_UM_DATA_REQ cv_CellInfoA.cRNTI := tsc_New_CRNTI2)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (		S

	tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tsc_New_CRNTI2, cell_FACH , OMIT, OMIT , OMIT))		
+ts_CMAC_NewU_RNTI_Reconf sc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI			
+ts_CMAC_New_RNTI_Reconf (FALSE, c_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			
START t_WaitS			
? TIMEOUT t_WaitS		(F)	
AM ? RLC_AM_DATA_IND CANCEL WaitS	car_RRC_UtranMobilityInfoCnf (tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))	(P)	
6To28			
s_RRC_Delay (500)			
ts_SS_SwitchCellPowerLevels (tsc_CellA, tsc_CellB)			
+lt_Rcv_CellUpdate_Step7to28			
+lt_Send_CellUpdCnf_Step8to27			
(tcv_K := tcv_K + 1)			
[tcv_K < 5]			
GOTO TEST_LOOP			
[TRUE]			
ate_Step7to28			
(tcv_K = 0) OR (tcv_K = 2) OR (tcv_K =4)]			
ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellA, lr_CellUpdateAny (tcv_CellInfoB.uRNTI, llReselection),15000)			
+ts_HO_ReconfFACH_ToFACH (tsc_CellB,tsc_CellA)			

			m C
(tcv_K = 1) OR (tcv_K= 3)]			
·ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellB, lr_CellUpdateAny (tcv_CellInfoA.uRNTI, ·llReselection) ,15000)			C c
+ts_HO_ReconfFACH_ToFACH (tsc_CellA,tsc_CellB)			C D m C
RUE]		I	F e
dCnf_Step8to27			
:cv_K=0]			
·ts_CMAC_New_RNTI_Reconf (TRUE, ;c_CellA,tcv_CellInfoB.uRNTI, tcv_CellInfoA.cRNTI)			C c U s r R u t
UM ! RLC_UM_DATA_REQ :cv_CellInfoA.uRNTI:=c_U_RNTI_4, :v_CellInfoA.cRNTI := tsc_CRNTI_Id2)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, c_U_RNTI_4, tsc_CRNTI_Id2, cell_FACH , OMIT, OMIT , OMIT))		S C C A
+ ts_CMAC_NewU_RNTI_Reconf (tsc_CellA, U_RNTI_4, tsc_CRNTI_Id2)			
START t_WaitS			
? TIMEOUT t_WaitS		(F)	
AM ? RLC_AM_DATA_IND CANCEL t_WaitS	car_RRC_UtranMobilityInfoCnf (tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))	(P)	S @ 2 6
:cv_K=1]			
·ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellB, :v_CellInfoA.uRNTI, tcv_CellInfoB.cRNTI)			C c U s r R u t
UM ! RLC_UM_DATA_REQ :cv_CellInfoB.uRNTI := tcv_CellInfoA.uRNTI)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,OMIT,OMIT,cell_DCH , c_UL_ChannelRequirement (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_64k_PS , pl0_96 ,		S C C A c i i @ R

	tcv_CellInfoB.uL_ScramblingCode)), (c_DL_CommonInformationDCH_DPCH_Offset (tsc_DL_DPCH1_SFP_64k_PS)) , (c_DL_InfoPerRL_DPCH_Offset (tcv_CellInfoB.priScrmCode, tsc_DL_DPCH1_2ndScrC, tsc_DL_DPCH1_ChC_64k_PS))))		w
+ts_RRC_Delay (500)			
+ts_SS_ReConfFACH_ToDCH (tsc_CellB)			
+ts_RRC_ReceivePhyChReconfCmpl sc_CellB,tcv_RRC_RAB_Type)			S F C R C
AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cbs_108_PhyChReconf64k_PS_DCH_ToFACH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, tcv_CellInfoB.cRNTI))	(P)	S s C R @ R w
+ ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)			
+ts_SS_ReconfDCH_ToFACH (tsc_CellB)			
+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA, v_RRC_RAB_Type)			S F C R C
cv_K=2]			
ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, v_CellInfoB.uRNTI, tcv_CellInfoA.cRNTI)			C c U s r R u t
UM ! RLC_UM_DATA_REQ cv_CellInfoA.uRNTI := tcv_CellInfoB.uRNTI)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfDCCH_FACH_ToDCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))		S C C E r c
+ts_RRC_Delay (500)			
+ts_SS_ReConfFACH_ToDCH (tsc_CellA)			
+ ts_RRC_ReceiveTrChReconfCmpl (tsc_CellA, v_RRC_RAB_Type)			S
AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated,		S

	tsc_RB2, cbs_108_PhyChReconf64k_PS_DCH_ToFACH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.cRNTI))		@ R w
+ ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)			
+ts_SS_ReconfDCH_ToFACH (tsc_CellA)			
+ts_RRC_ReceivePhyChReconfCmpl sc_CellA,tcv_RRC_RAB_Type)			S R F C R C
cv_K=3]			
ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellB, v_CellInfoA.uRNTI, tcv_CellInfoB.cRNTI)			C c U s r R u t
UM ! RLC_UM_DATA_REQ cv_CellInfoB.uRNTI := tcv_CellInfoA.uRNTI)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfGenericDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tcv_CellInfoB.cRNTI, cell_FACH, OMIT, c_RB_Affected8_3_1_1 (tsc_RB20, tsc_UL_DTCH1, tsc_UL_MAC_Prt5, tsc_DL_DTCH1), OMIT, OMIT, OMIT , c_RB_InfoReconfigList20_PS))		S C C A
+ ts_CMAC_NewU_RNTI_Reconf (tsc_CellB, v_CellInfoB.uRNTI, tcv_CellInfoB.cRNTI)			
+ ts_RRC_ReceiveRB_ReconfigCmpl (tsc_CellB)			S R R C c
cv_K=4]			
ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, v_CellInfoB.uRNTI, tcv_CellInfoA.cRNTI)			C c U s r R u t
UM ! RLC_UM_DATA_REQ cv_CellInfoA.cRNTI := tsc_CRNTI_Id2)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfGenericDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti,		S C C A i r

	OMIT, tsc_CRNTI_Id2, cell_FACH, c_RB_RlsList4, OMIT, OMIT, OMIT, OMIT, OMIT))		i @ T @ 2 T
+ ts_CMAC_NewU_RNTI_Reconf (tsc_CellA, :v_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			
+ ts_RRC_ReceiveRB_RelCmpl (tsc_CellB, :v_RRC_RAB_Type)			S R R C c
'RUE]		I	F e
iables			
:s_RRC_InitVariablesPS (cell_FACH)			
:v_CellInfoA.attenuationLevel := :c_AttLevToPower60_dBm, :v_CellInfoB.attenuationLevel := :c_AttLevToPower69_dBm			@ C s

nt:	

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

Tdoc ⌘T1s040489

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **445** ⌘**rev** **-** ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of P4 RRC test case 8.1.6.1
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	20/08/2004
Category:	⌘	**B**
Release:	⌘	Rel-5

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 RRC test case 8.1.6.1 to the approved RRC ATS V3.6.1
Summary of change:	⌘	This document lists all changes applied to test case 8.1.6.1 required for approval. See detailed change description for further information..
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	8.1.6.1			
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 8.1.6.1 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 8.1.6.1, which is part of RRC iWD_wk31 test suite. Changes are made so that it can be executed with one or more 3G UE. Plesae see section 6 for log information.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_1_6_1

Test Group: RRC

ATS Version: iWD_wk31 + modifications

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

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 8.1.6.1

4.1 Introduction

The TTCN ATS used is RRC iWD_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	*tc_8_1_6_1*
Reference ATS	*RRC*
Change Label	*RACAL#RRC_0201*
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	
Racal conclusion	

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

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

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

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

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

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

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

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

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

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

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not indicate acceptance of the change request.

4.3 Change 1 - ASN.1 Constraint **cr_RRC_StatusCauNotCompatible**

Reason for change	IE **laterNonCriticalExtensions** may not be present in RRC Status Message
Summary of change	Use ' ***** ' in ASN.1 cnostraing instead of '**?** '

ASN.1 PDU Constraint Declaration

Constraint Name:	cr_RRC_StatusCauNotCompatible (p_TrId: RRC_TransactionIdentifier; p_MessTyp: ReceivedMessageType)
Group:	
PDU Name:	UL_DCCH_Message
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP

Constraint Value

```
{
    integrityCheckInfo *,
    message rrcStatus : { --RRCStatus
        protocolErrorInformation {
            diagnosticsType type1: messageNotCompatibleWithReceiverState : {
              rrc_TransactionIdentifier p_TrId,
              receivedMessageType p_MessTyp}
        },
        laterNonCriticalExtensions ?
    *
    }
}
```

4.4 Change 2 - ASN.1 Constraint **cr_RRC_StatusExtNotComprehended**

Reason for change	IE **laterNonCriticalExtensions** may not be present in RRC Status Message
Summary of change	Use ' ***** ' in ASN.1 cnostraing instead of '**?** '

ASN.1 PDU Constraint Declaration

Constraint Name:	cr_RRC_StatusExtNotComprehended (p_RRC_TI : RRC_TransactionIdentifier; p_MsgType : ReceivedMessageType)
Group:	
PDU Name:	UL_DCCH_Message
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	

Constraint Value

```
{
  integrityCheckInfo *,
  message rrcStatus : { --RRCStatus
    protocolErrorInformation {
      diagnosticsType type1: messageExtensionNotComprehended :
      {
        rrc_TransactionIdentifier p_RRC_TI,
        receivedMessageType p_MsgType
      }
    },
    laterNonCriticalExtensions ?
__*
  }
}
```

5 Branches executed in test case 8.1.6.1

Test case was executed with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to cs_domain and ps_domain

6 Execution Log Files

The Nokia 3G UE 7600 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 T1s040490[2].

7 References

[1]	RRC iWD_wk31.mp
[2]	T1s040490[2].zip Attachment containing the successful log and and the TTCN MP file for 8.1.6.1

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

Tdoc ⌘T1s040493

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **444** ⌘**rev** **-** ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of P4 RRC test case 8.3.1.17
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	20/08/2004
Category:	⌘	**B**
Release:	⌘	Rel-5

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 RRC test case 8.3.1.17 to the approved RRC ATS V3.6.1
Summary of change:	⌘	This document lists all changes applied to test case 8.3.1.17 required for approval. See detailed change description for further information..
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	8.3.1.17

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

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.3.1.17, which is part of RRC iWD_wk31 test suite. Changes are made so that it can be executed with one or more 3G UE. Plesae see section 6 for log information.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_3_1_17

Test Group: RRC

ATS Version: iWD_wk31 + modifications

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

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 8.3.1.17

4.1 Introduction

The TTCN ATS used is RRC iWD_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	*tc_8_3_1_17*
Reference ATS	*RRC*
Change Label	*RACAL#RRC_0201*
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	
Racal conclusion	

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

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

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

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

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

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

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

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

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

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

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not indicate acceptance of the change request.

4.3 **Change 1 -** Guard timer changed to t_Guard(2500)

Reason for change	Guard timer too small and not correct for completion of test cases.
Summary of change	Changed t_Guard value from it's default value of 300 s to 2500 s

Test Case	
Test Case Id:	tc_8_3_1_17
Test Group Reference:	RRC/RRC_CellUpdate/
Purpose:	To confirm that the UE moves to idle state upon the reception of RRC CONNECTION RELEASE message on CCCH.
Configuration:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		~~START t_Guard~~			
2		START t_Guard(2500)			
3		[px_RAT=fdd]			FDD specific behaviour
4		+ts_RRC_InitVariablesPS (cell_FACH)			Initial Test Case Variables

5 Branches executed in test case 8.3.1.17

Test case was executed with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to ps_domain.

6 Execution Log Files

The Nokia 3G UE 7600 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 T1s040494[2].

7 References

[1]	RRC iWD_wk31.mp
[2]	T1s040494 [2].zip Attachment containing the successful log and and the TTCN MP file for 8.3.1.17

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

Tdoc ⌘T1s040495

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **442** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of P4 RRC test case 8.3.2.9
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	20/08/2004
Category:	⌘	**B**
Release:	⌘	Rel-5

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 RRC test case 8.3.2.9 to the approved RRC ATS V3.6.1
Summary of change:	⌘	This document lists all changes applied to test case 8.3.2.9 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.

Title:	**Changes to test case 8.3.2.9 required for approval**
Source:	Racal Instruments Wireless Solutions, an Aeroflex Company
Document for:	Email Approval
Contact:	**Kundan Sehmbey** kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.3.2.9, which is part of RRC iWD_wk31 test suite. Changes are made so that it can be executed with one or more 3G UE. Plesae see section 6 for log information.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_3_2_9

Test Group: RRC

ATS Version: iWD_wk31 + modifications

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

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 8.3.2.9

4.1 Introduction

The TTCN ATS used is RRC iWD_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Presentation of the modifications

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

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

Table 1: Example Change Table

TTCN object	*tc_8_3_2_9*
Reference ATS	*RRC*
Change Label	*RACAL#RRC_0201*
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	
Racal conclusion	

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

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

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

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

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

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

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

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

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

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

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not indicate acceptance of the change request.

4.3 **Change 1 -** Guard timer changed to t_Guard(2500)

Reason for change	Guard timer too small and not correct for completion of test cases.
Summary of change	Changed t_Guard value from it's default value of 300 s to 2500 s

Test Case	
Test Case Id:	tc_8_3_2_9
Test Group Reference:	RRC/RRC_URA_Update/
Purpose:	To confirm that the UE moves to idle state upon the reception of RRC CONNECTION RELEASE message on downlink CCCH during a URA update procedure.
Configuration:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		~~START t_Guard~~			
2		START t_Guard(2500)			
3		[px_RAT=fdd]			FDD specific behaviour
4		+ts_RRC_InitVariablesPS (cell_FACH)			

5 Branches executed in test case 8.3.2.9

Test case was executed with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to ps_domain.

6 Execution Log Files

The Nokia 3G UE 7600 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 T1s040496 [2].

7 References

[1]	RRC iWD_wk31.mp
[2]	T1s040496 [2].zip Attachment containing the successful log and and the TTCN MP file for 8.3.2.9

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 455** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

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

Proposed change affects: UICC apps⌘ [ ] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction to Package 3 SMS test case 16.2.1.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	20/08/04
Category:	⌘	**F**
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:	⌘	1) In line 3 the local tree lt_EmptyStorage(TRUE) is called to empty the storage of the UE. Further on the SMS message storage is emptied a second time within the lt_AT_Init at line 10 without sending SMS in between. Thus the previous step at line 3 is not necessary. 2) According to the test procedure part e) a maximum of 3 CP-DATA retransmissions may occur. In the ATS it is possible to adjust this value with the pixit px_MaxCP_DataRetx. Thus it is possible to allow a UE to send more than this maximum. If a mobile retransmits CP-DATA more than 3 times, then the test case will pass a non conformant UE by setting the value of pixit px_MaxCP_DataRetx incorrectly. (Occurs for step 45 and 86)
Summary of change:	⌘	1) Removed call to lt_EmptyStorage(TRUE) at line 3 from the test case body. 2) A note is added for the pixit px_MaxCP_DataRetx specifying the valid range for the pixit is 1 to 3.
Consequences if not approved:	⌘	Test case may pass a non conformant UE.

Clauses affected:	⌘	None

		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.

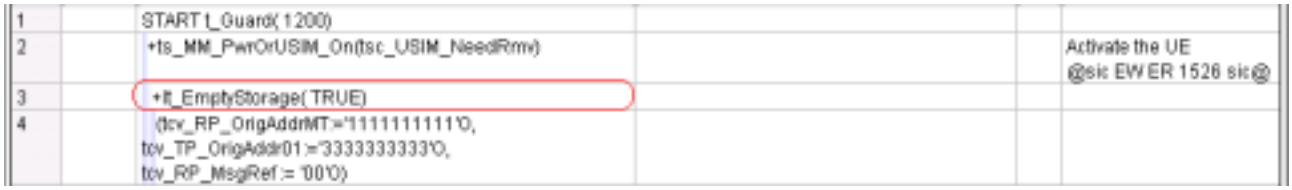
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest 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.

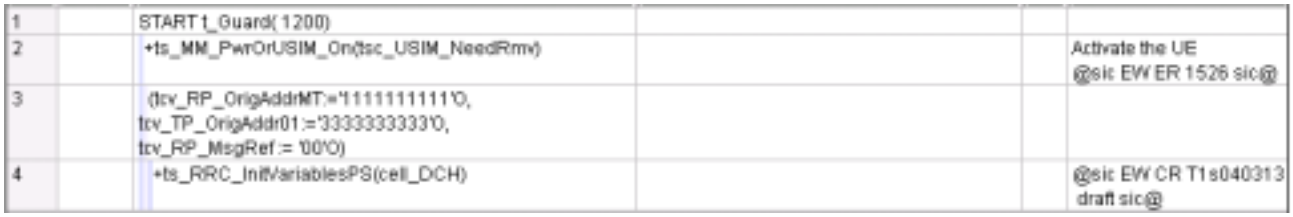
1.1 Change 1

Test Step	tc_16_2_1
Reason for change	1) In line 3 the local tree lt_EmptyStorage(TRUE) is called to empty the storage of the UE. Further on the SMS message storage is emptied a second time within the lt_AT_Init at line 10 without sending SMS in between. Thus the previous step at line 3 is not necessary.
Summary of change	1) Removed call to lt_EmptyStorage(TRUE) at line 3 from the test case body.
Source of change	New change

Before:



After:



1.2 Change 2

Test Step	px_MaxCP_DataRetx
Reason for change	According to the test procedure part e) a maximum of 3 CP-DATA retransmissions may occur. In the ATS it is possible to adjust this value with the pixit px_MaxCP_DataRetx. Thus it is possible to allow a UE to send more than this maximum. If a mobile retransmits CP-DATA more than 3 times, then the test case will pass a non conformant UE by setting the value of pixit px_MaxCP_DataRetx incorrectly.(Occurs for step 45 and 86)
Summary of change	A note is added specifying the valid range for the pixit is 1 to 3.
Source of change	New change

Before:

After:

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** 441 ⌘ **rev** - ⌘ Current version: **3.6.1** ⌘

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

Proposed change affects: UICC apps⌘ [ ] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Addition of RRC Package 4 test case 8.1.2.3 to RRC ATS V3.6.1
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	20/08/04
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 RRC test case 8.1.2.3 to the approved RRC ATS V3.6.1
Summary of change:	⌘	This document lists all changes applied to test case 8.1.2.3 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘				
Other specs affected:	⌘	**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 ***T1s040498***
01 Jan - 31 Dec 2004

Title: **Changes to test case 8.1.2.3 required for approval**
Source: Anite
Agenda Item: TTCN Issues
Document for: Approval
Contact: Philip Rose
phil.rose @anite.com
Tel. +44 1252 775200

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.1.2.3, which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_1_2_3

Test Group: RRC/RRC_ConnMgmt

ATS Version: iWD-TVB2003-03_D04wk31 + essential modifications

System Simulator used: **Anite 3G U-SAT**

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 8.1.2.3

4.1 Introduction

This section describes the changes required to make test case 8.1.2.3 run correctly with a 3G UE. The ATS version used as basis was RRC_wk31.mp, which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Change 1

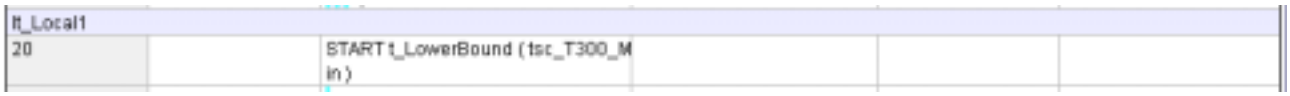
Test step name	**tsc_T300_Diff**
Reason for change	To start the timer t_LowerBound with the value same as T300, with 10% tolerance
Summary of change	Added new constraint tsc_T300_Diff
Source of change	New change

tsc_T300_Diff	INTEGER	1800	used with t_Dly (value in milliseconds) timer for RRC Connection Establishment procedure (2000 ms - 200 ms Tolerance)

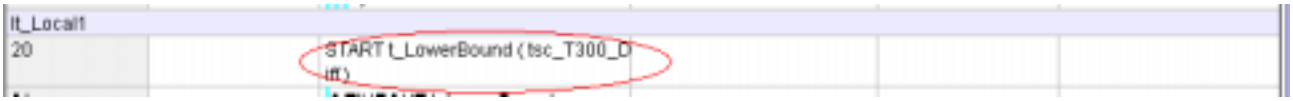
4.3 Change 2

Test step	**lt_Local1** of tc_8_1_2_3
Reason for change	SS has to wait time period T300 for a RRC connection request from UE.
Summary of change	Line #1 of **lt_Local1** is modified to start the timer **t_LowerBound** with the value **tsc_T300_Diff**.
Source of change	New change

Before:



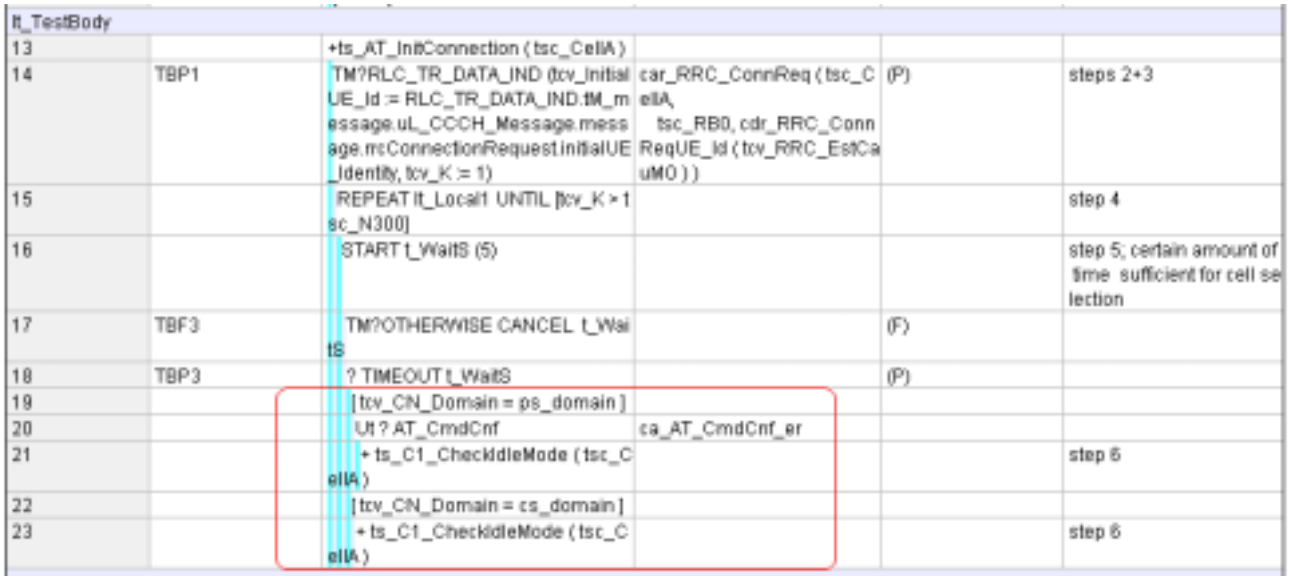
After:



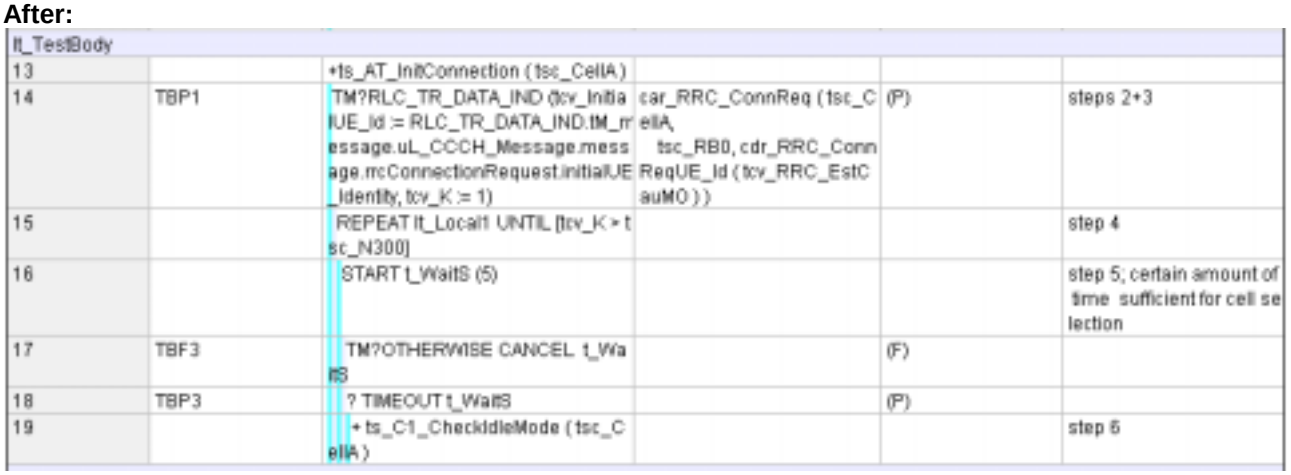
4.4 Change 3

Test step	**lt_Local1** of tc_8_1_2_3
Reason for change	In automation set-up, result checking in ASP **AT_CmdCnf** is not possible and also not related to test requirements.
Summary of change	Removed the constraint checking **ca_AT_CmdCnf_er** for PS domain before calling the test step + ts_C1_CheckIdleMode (tsc_CellA).
Source of change	New change

Before:



After:



Branches executed in test case 8.1.2.3

The test case implementation executed the combined CS/PS branch with integrity activated and ciphering disabled with px_CN_DomainTested set as cs_domain and ps_domain.

5 Execution Log Files

5.1 Nokia 7600

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

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 ⌘ *T1s040500*

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** 438 ⌘ **rev** - ⌘ Current version: **3.6.1** ⌘

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

Proposed change affects: UICC apps⌘ [ ] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Addition of RRC Package 4 test case 8.1.3.5 to RRC ATS V3.6.1
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	20/08/04
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 Test case 8.1.3.5
Summary of change:	⌘	This document lists all changes applied to test case 8.1.3.5 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:	⌘	

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 ***T1s040500***
01 Jan - 31 Dec 2004

Title: **Changes to test case 8.1.3.5 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 all the changes needed to correct problems in the TTCN implementation of test case 8.1.3.5, 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_5

Test Group: RRC/RRC_ConnRelease

ATS Version: iWD-TVB2003-03_D04wk31 + essential modifications

System Simulator used: **Anite 3G U-SAT**

UE used: Nokia 7600

Verification Status: PASS

4 Corrections required for test case 8.1.3.5

4.1 Introduction

This section describes the changes required to make test case 8.1.3.5 run correctly with a 3G UE. The ATS version used as basis was RRC_wk31.mp, which is part of the iWD-TVB2003-03_D04wk31 release.

4.2 Change 1

Local tree and Test step name	**lt_Testbody of tc_8_1_3_5**
Reason for change	At line #17 of the test case 8_1_3_5 Cell Config of Cell A is assigned **cell_DCH_StandAloneSRB_NoConn** but it should be **cell_FACH_NoConn,** since UE state is Cell FACH and not DCH.
Summary of change	Modified Line #17 of test case 8.1.3.5 to assign **cell_FACH_NoConn** to Cell Config of Cell A.
Source of change	New change

Before Change:

Test Case	
Test Case Id:	tc_8_1_3_5
Test Group Reference:	RRC/RRC_ConnRelease/
Purpose:	When the UE receives an invalid RRC CONNECTION RELEASE message on the downlink DCCH, it shall transmit an RRC CONNECTION RELEASE COMPLETE message that includes the appropriate error cause on the uplink DCCH.
Configuration:	
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Ver..	Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+ts_RRC_InitVariables (cell_FACH)			
4		+ts_SS_CreateCellFACH (tsc_CellA)			Configure lower tester
5		+ts_SendDefSysInfo (tsc_CellA)			Sends the default system information in CellA
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to CELL_FACH state and release the connection again
7		+ ts_GotoState6_2_Or6_4_MO (tsc_CellA)			@ sic Joerg T1-040304 sic @
8	TBS	(tcv_TestBody:=TRUE)			
9		+ lt_TestBody			
10	TBE	(tcv_TestBody:=FALSE)			
11		+po_ConnectionAndSS_Rels			
12	ERR1	[px_RAT=fdd]		I	TDD specific behaviour
13	ERR2	[TRUE]		I	
lt_TestBody					
14		AM ! RLC_AM_DATA_REQ	cas_InvalidDCCH_Msg (tsc_CellDedicated, tsc_RB2, cs_InvalidRRC_ConRel (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti))		step 8
15	TBP1	AM?RLC_AM_DATA_IND	car_RRC_ConnRelCmpl(tsc_CellDedicated , tsc_RB2, cr_RRC_ConnRelCmpCauMsgExtNotCompr (tcv_RRC_Ti))	(P)	step 9
16		+ ts_CRLC_RelReconfSRB (tsc_CellA)			restart RLC for the next connection
17		(tcv_CellInfoA.cellConfig := cell_DCH_StandAloneSRB_NoConn)			
18		+ ts_C1_CheckIdleMode (tsc_CellA)			step 13

After Change:

Test Case	
Test Case Id:	tc_8_1_3_5
Test Group Reference:	RRC/RRC_ConnRelease/
Purpose:	When the UE receives an invalid RRC CONNECTION RELEASE message on the downlink DCCH, it shall transmit an RRC CONNECTION RELEASE COMPLETE message that includes the appropriate error cause on the uplink DCCH.
Configuration:	
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Ve..	Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+ts_RRC_InitVariables (cell_FACH)			
4		+ts_SS_CreateCellFACH (tsc_CellA)			Configure lower tester
5		+ts_SendDefSysInfo (tsc_CellA)			Sends the default system information in CellA
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to CELL_FACH state and release the connection again
7		+ ts_GotoState6_2_Or6_4_MO (tsc_CellA)			@ sic Joerg T1-040304 sic @
8	TBS	(tcv_TestBody:=TRUE)			
9		+ lt_TestBody			
10	TBE	(tcv_TestBody:=FALSE)			
11		+po_ConnectionAndSS_Rels			
12	ERR1	[px_RAT=fdd]		I	TDD specific behaviour
13	ERR2	[TRUE]		I	
lt_TestBody					
14		AM ! RLC_AM_DATA_REQ	cas_InvalidDCCH_Msg (tsc_CellDedicated, tsc_RB2, cs_InvalidRRC_ConRel (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti))		step 8
15	TBP1	AM?RLC_AM_DATA_IND	car_RRC_ConnRelCmpl(tsc_CellDedicated , tsc_RB2, cr_RRC_ConnRelCmpCauMsgExtNotCompr (tcv_RRC_Ti))	(P)	step 9
16		+ ts_CRLC_RelReconfSRB (tsc_CellA)			restart RLC for the next connection
17		(tcv_CellInfoA.cellConfig := cell_FACH_NoConn)			
18		+ ts_C1_CheckIdleMode (tsc_CellA)			step 13

Branches executed in test case 8.1.3.5

The test case implementation executed the combined CS/PS branch with integrity activated and ciphering disabled with px_CN_DomainTested set as cs_domain and ps_domain.

5 Execution Log Files

5.1 Nokia 7600

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

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 ⌘ *T1s040502*

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** 439 ⌘ **rev** - ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of RRC Package 4 test case 8.2.1.4 to RRC ATS V3.6.1
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	20/08/04
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 RRC test case 8.2.1.4 to the approved RRC ATS V3.6.1
Summary of change:	⌘	No Changes are required in the wk31 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 2004 ***T1s040503***
01 Jan - 31 Dec 2004

Title:	**Changes to test case 8.2.1.4 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 8.2.1.4, which is part of the RRC test suite.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_8_2_1_4
Test Group:	RRC/RRC_RAB_Establishment
ATS Version:	iWD-TVB2003-03_D04wk31
System Simulator used:	**Anite 3G U-SAT**
UE used:	Nokia 7600 & Motorola A835
Verification Status:	PASS

4 Branches executed in test case 8.2.1.4

The test case implementation executed the combined CS/PS branch with integrity activated and ciphering disabled with px_CN_DomainTested set as cs_domain and ps_domain.

5 Execution Log Files

5.1 Nokia 7600

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

5.2 Motorola 3G UE A835

The Motorola A385 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

6 References

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

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

Tdoc ⌘ *T1s040504*

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** 440 ⌘ **rev** - ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of RRC Package 4 test case 8.2.1.7 to RRC ATS V3.6.1
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	20/08/04
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 RRC test case 8.2.1.7 to the approved RRC ATS V3.6.1
Summary of change:	⌘	No Changes are required in the wk31 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 2004 ***T1s040504***
01 Jan - 31 Dec 2004

Title:	**Changes to test case 8.2.1.7 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 the various branches & execution details needed to verify the TTCN implementation of test case 8.2.1.7, which is part of the RRC test suite.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_8_2_1_7
Test Group:	RRC/RRC_RAB_Establishment
ATS Version:	iWD-TVB2003-03_D04wk31
System Simulator used:	**Anite 3G U-SAT**
UE used:	Nokia 7600 & Motorola A835
Verification Status:	PASS

4 Branches executed in test case 8.2.1.7

The test case implementation executed the combined CS/PS branch with integrity activated and ciphering disabled with px_CN_DomainTested set as cs_domain and ps_domain.

5 Execution Log Files

5.1 Nokia 7600

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

5.2 Motorola 3G UE A835

The Motorola A385 passed this test case on the Anite 3G U-SAT system. The documentation below is enclosed as evidence of the successful test case run [1]:

6 References

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

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 454** ⌘ **rev -** ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Correction to NAS test cases 9.4.2.3 (P2), 9.4.2.4 Proc 2 (P2), and 12.4.1.1a (P1)
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	24/08/2004
Category:	⌘	**F**
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 correct approved NAS test cases 9.4.2.3, 9.4.2.4 Proc 2, and 12.4.1.1a for the sending of SIB4. In these test cases one or more IEs are changed in SIB3; as these IEs are not omitted in SIB4, this SIB needs to be changed the same way.
Summary of change:	⌘	This document lists all changes applied to NAS test cases 9.4.2.3, 9.4.2.4 Proc 2, and 12.4.1.1a required for correction. See detailed change description for further information.
Consequences if not approved:	⌘	Test case may fail conformant UE.

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	**Y**	**N**		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘	MCC160 have already implemented this change in their ATS week 34 release as error correction ER1955.			

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

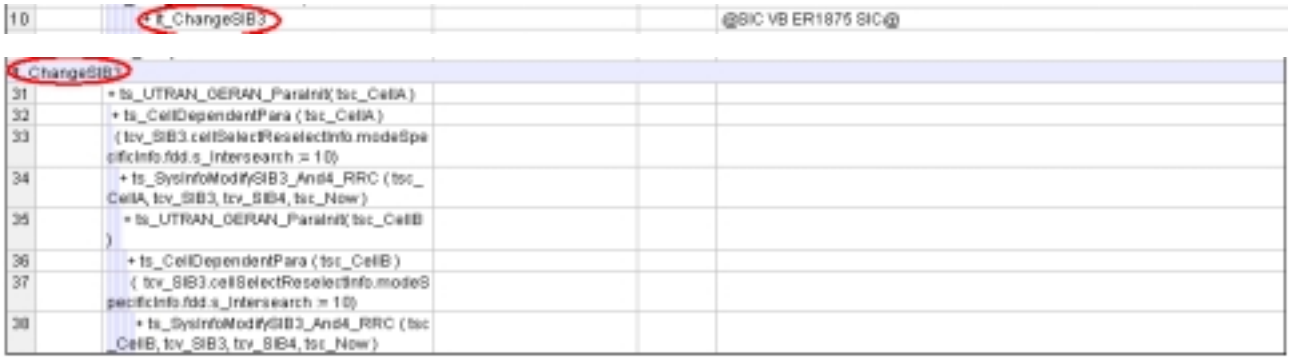
downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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.

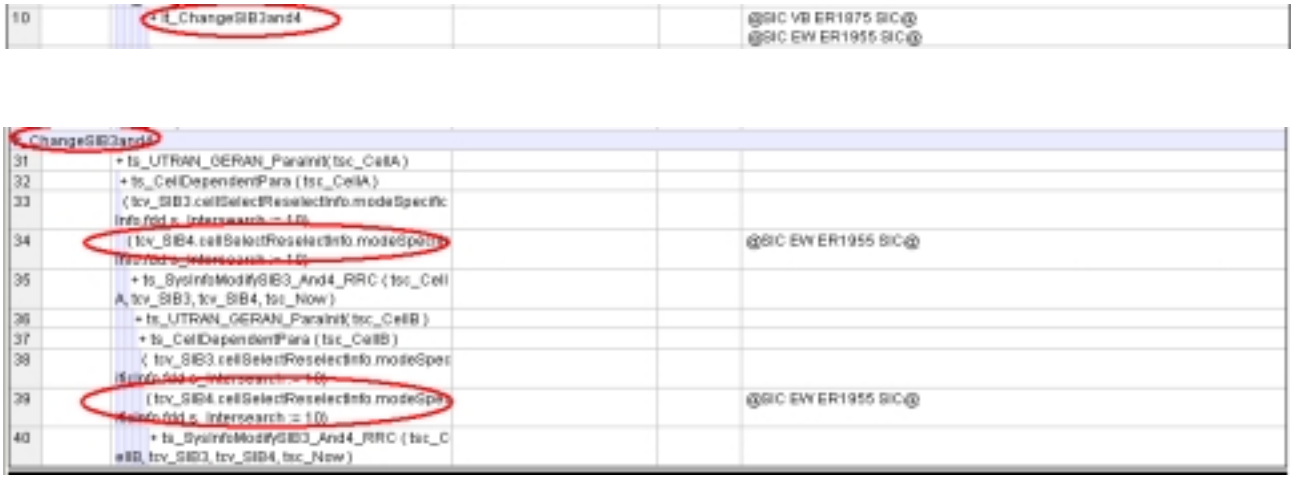
Change 1

Test step	tc_9_4_2_3
Reason for change	In this test case one IE is changed in SIB3; as this IE is not omitted in SIB4, this SIB needs to be changed the same way.
Summary of change	1. test step lt_ChangeSIB3 renamed to lt_ChangeSIB3and4 (when used and when specified) 2. change applied to SIB3 applied to SIB4 as well
Source of change	new change

Before Change:



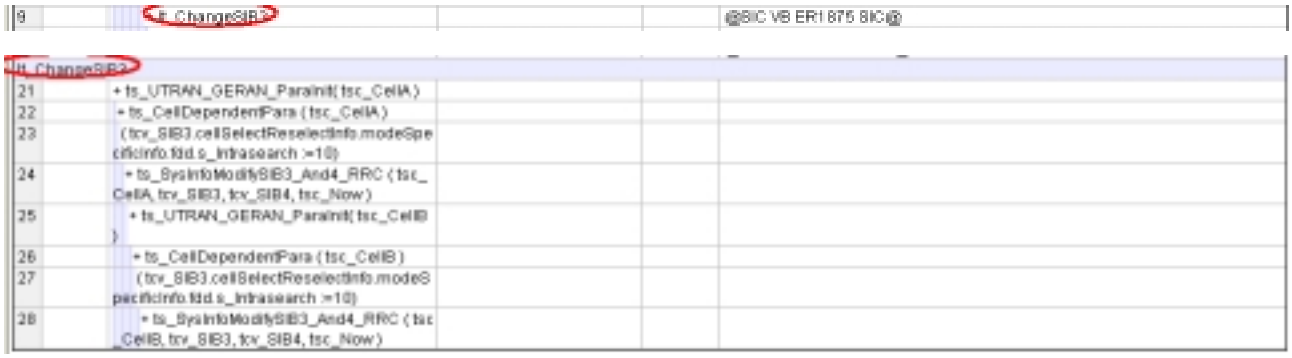
After Change:



Change 2

Test step	tc_9_4_2_4_2
Reason for change	In this test case one IE is changed in SIB3; as this IE is not omitted in SIB4, this SIB needs to be changed the same way.
Summary of change	1. test step lt_ChangeSIB3 renamed to lt_ChangeSIB3and4 (when used and when specified) 2. change applied to SIB3 applied to SIB4 as well
Source of change	new change

Before Change:

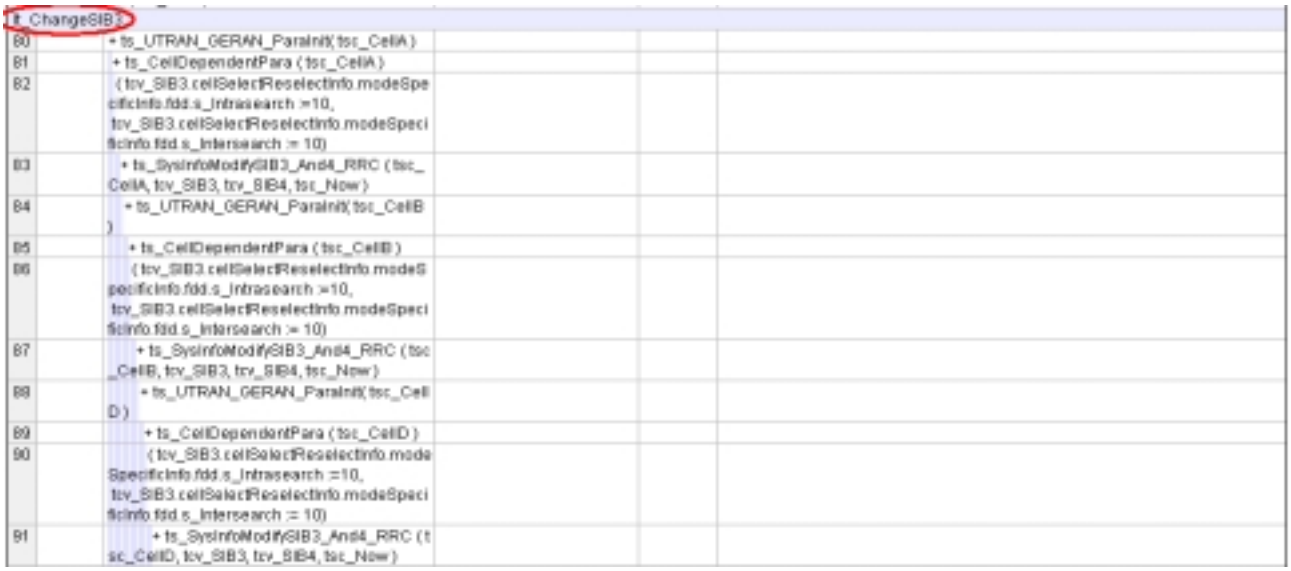


After Change:

Change 3

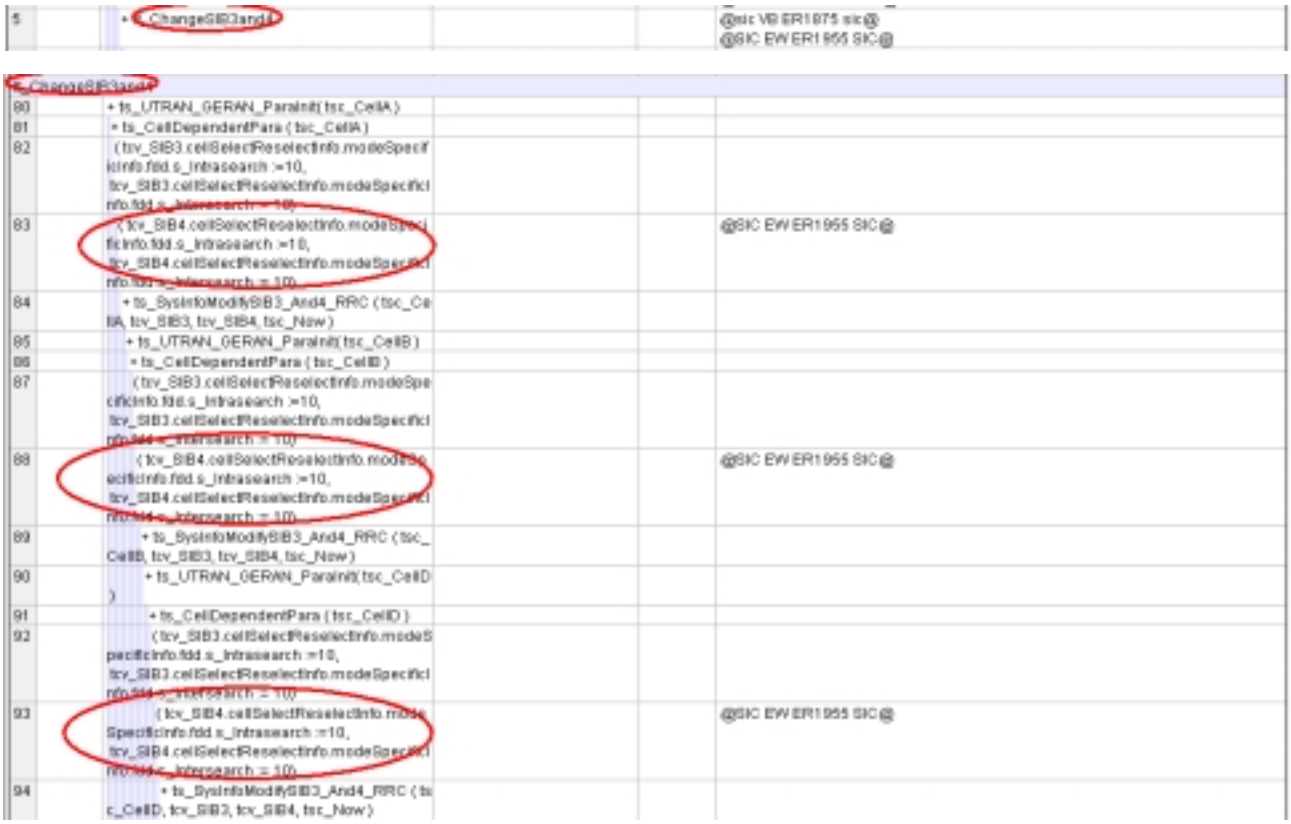
Test step	tc_12_4_1_1a
Reason for change	In this test case 2 IEs are changed in SIB3; as these IEs are not omitted in SIB4, this SIB needs to be changed the same way.
Summary of change	1. test step lt_ChangeSIB3 renamed to lt_ChangeSIB3and4 (when used and when specified) 2. changes applied to SIB3 applied to SIB4 as well
Source of change	new change

Before Change:



```
if ChangeSIB3
80      + ts_UTRAN_GERAN_ParaInit(tsc_CellA)
81      + ts_CellDependentPara (tsc_CellA)
82      (tcv_SIB3.cellSelectReselectInfo.modeSpe
cificInfo.fdd.s_Intrasearch :=10,
tcv_SIB3.cellSelectReselectInfo.modeSpeci
ficInfo.fdd.s_Intersearch := 10)
83      + ts_SysInfoModifySIB3_And4_RRC (tsc_
CellA, tcv_SIB3, tcv_SIB4, tsc_Now)
84      + ts_UTRAN_GERAN_ParaInit(tsc_CellB
)
85      + ts_CellDependentPara (tsc_CellB)
86      (tcv_SIB3.cellSelectReselectInfo.modeS
pecificInfo.fdd.s_Intrasearch :=10,
tcv_SIB3.cellSelectReselectInfo.modeSpeci
ficInfo.fdd.s_Intersearch := 10)
87      + ts_SysInfoModifySIB3_And4_RRC (tsc
_CellB, tcv_SIB3, tcv_SIB4, tsc_Now)
88      + ts_UTRAN_GERAN_ParaInit(tsc_Cell
D)
89      + ts_CellDependentPara (tsc_CellD)
90      (tcv_SIB3.cellSelectReselectInfo.mode
SpecificInfo.fdd.s_Intrasearch :=10,
tcv_SIB3.cellSelectReselectInfo.modeSpeci
ficInfo.fdd.s_Intersearch := 10)
91      + ts_SysInfoModifySIB3_And4_RRC (t
sc_CellD, tcv_SIB3, tcv_SIB4, tsc_Now)
```

After Change:



```
5       + ChangeSIB3and4                                    @sic VB ER1875 sic@
                                                            @SIC EW ER1955 SIC@
```

```
ChangeSIB3and4
80      + ts_UTRAN_GERAN_ParaInit(tsc_CellA)
81      + ts_CellDependentPara (tsc_CellA)
82      (tcv_SIB3.cellSelectReselectInfo.modeSpecif
icInfo.fdd.s_Intrasearch :=10,
tcv_SIB3.cellSelectReselectInfo.modeSpecificI
nfo.fdd.s_Intersearch := 10)
83      (tcv_SIB4.cellSelectReselectInfo.modeSpeci
ficInfo.fdd.s_Intrasearch :=10,
tcv_SIB4.cellSelectReselectInfo.modeSpecificI
nfo.fdd.s_Intersearch := 10)                                @SIC EW ER1955 SIC@
84      + ts_SysInfoModifySIB3_And4_RRC (tsc_Ce
llA, tcv_SIB3, tcv_SIB4, tsc_Now)
85      + ts_UTRAN_GERAN_ParaInit(tsc_CellB)
86      + ts_CellDependentPara (tsc_CellB)
87      (tcv_SIB3.cellSelectReselectInfo.modeSpe
cificInfo.fdd.s_Intrasearch :=10,
tcv_SIB3.cellSelectReselectInfo.modeSpecificI
nfo.fdd.s_Intersearch := 10)
88      (tcv_SIB4.cellSelectReselectInfo.modeSp
ecificInfo.fdd.s_Intrasearch :=10,
tcv_SIB4.cellSelectReselectInfo.modeSpecificI
nfo.fdd.s_Intersearch := 10)                                @SIC EW ER1955 SIC@
89      + ts_SysInfoModifySIB3_And4_RRC (tsc_
CellB, tcv_SIB3, tcv_SIB4, tsc_Now)
90      + ts_UTRAN_GERAN_ParaInit(tsc_CellD
)
91      + ts_CellDependentPara (tsc_CellD)
92      (tcv_SIB3.cellSelectReselectInfo.modeS
pecificInfo.fdd.s_Intrasearch :=10,
tcv_SIB3.cellSelectReselectInfo.modeSpecificI
nfo.fdd.s_Intersearch := 10)
93      (tcv_SIB4.cellSelectReselectInfo.mode
SpecificInfo.fdd.s_Intrasearch :=10,
tcv_SIB4.cellSelectReselectInfo.modeSpecificI
nfo.fdd.s_Intersearch := 10)                                @SIC EW ER1955 SIC@
94      + ts_SysInfoModifySIB3_And4_RRC (ts
c_CellD, tcv_SIB3, tcv_SIB4, tsc_Now)
```

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **432** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

*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 8.2.2.4 to RRC ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/08/2004
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 8.2.2.4 to the approved RRC ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 8.2.2.4 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

Other specs affected:	Y	N		
⌘		X	Other core specifications	⌘
	X		Test specifications	Change mentioned in sec 4.3 will require a Prose CR
		X	O&M Specifications	

Other comments:	⌘	Prose CR will be raised by R&S for change mentioned in section 4.3

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 ***Tdoc ⌘T1s040515***
01 Jan - 31 Dec 2004

Title: **Changes to test case 8.2.2.4 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.2.2.4 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_2_2_4
Test Group:	RRC\RRC_RB_Reconfig
ATS Version:	iWD-TVB2003-03_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 6630 & Motorola A845
Verification Status:	PASS

4 Corrections required for test case 8.2.2.4

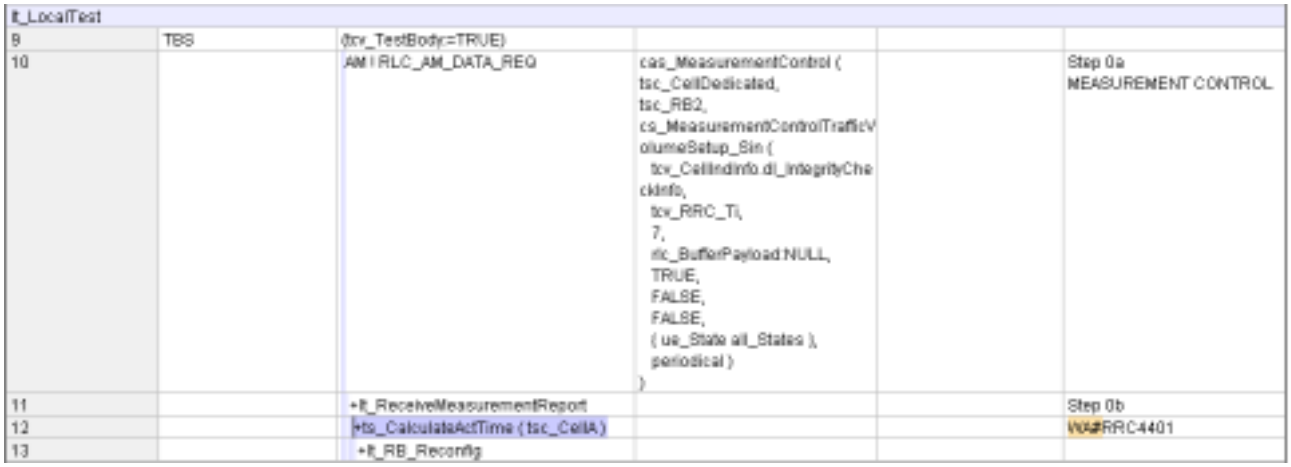
4.1 Introduction

This section describes the changes required to make test case 8.2.2.4 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_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release. This ATS, provided by MCC160 contains GCF package 1 to 4 test cases.

4.2 tc_8_2_2_4 : lt_LocalTest (WA#RRC4401)

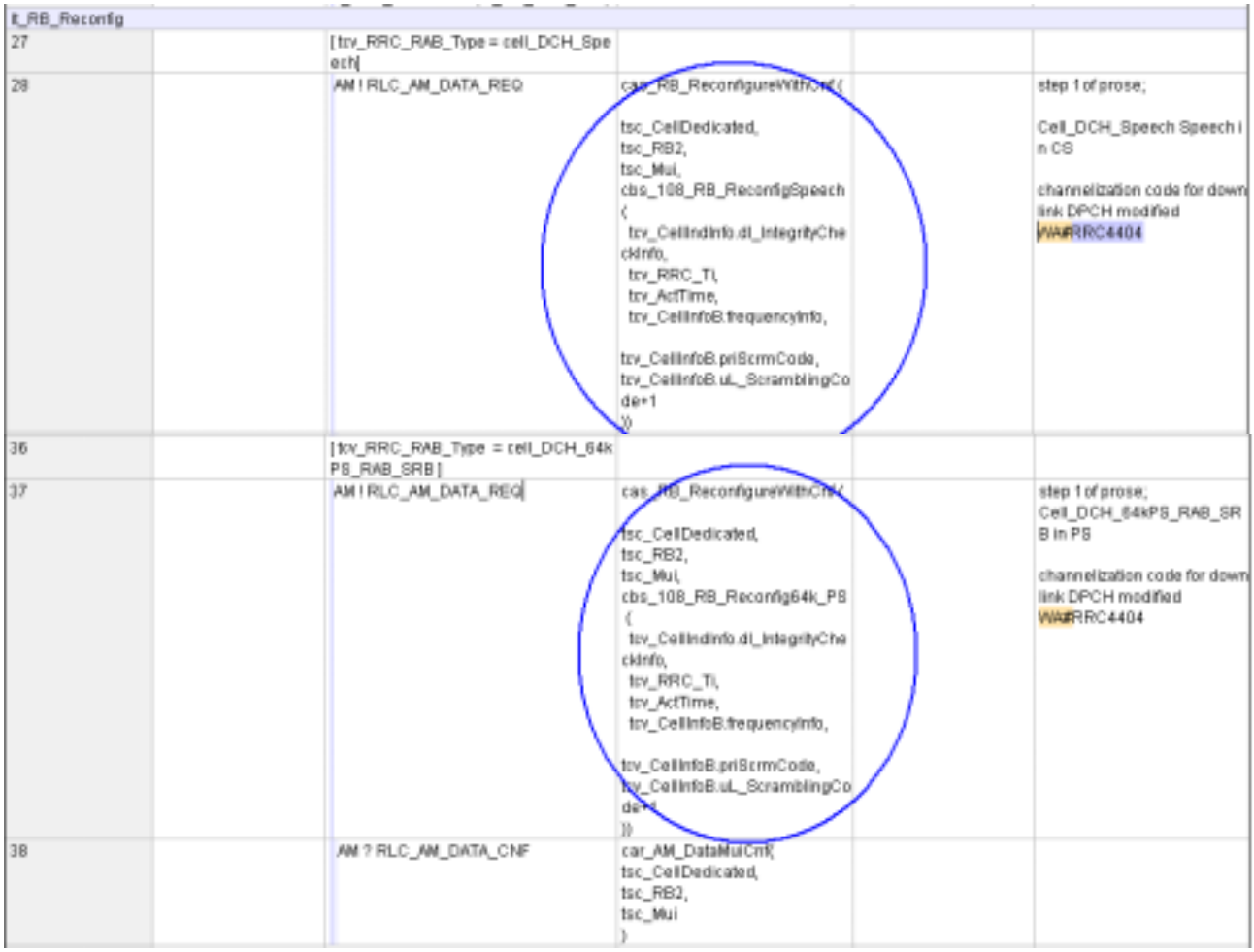
Test step name	Tc_8_2_2_4 : lt_LocalTest
Reason for change	The activation time must be calculated just before the RB reconfig message is sent
Summary of change	Removed the activation time test step before meas control message and added it after lt_ReceiveMeasurementReport
Source of change	New change
Label	WA#RRC4401



lt_LocalTest					
9	TBS	(tcv_TestBody=TRUE)			
10		AM RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolumeSetup_Sin (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, 7, rlc_BufferPayload.NULL, TRUE, FALSE, FALSE, (ue_State.all_States), periodical))		Step 0a MEASUREMENT CONTROL
11		+lt_ReceiveMeasurementReport			Step 0b
12		+ts_CalculateActTime (tsc_CellA)			WA#RRC4401
13		+lt_RB_Reconfig			

4.3 Tc_8_2_2_4 : lt_RB_Reconfig (WA#RRC4404)

Test step name	Tc_8_2_2_4 : lt_RB_Reconfig
Reason for change	The original RB reconfig message would not trigger a Radio Bearer reconfiguration failure message. Since there are no physical channel modification the UE would reconfigure the RB and send out RB reconfig complete message. The SS will not receive this message as the DL-DPCH channelisation code is modified. This would result in no RB reconfig failure message after the cell update confirm message
Summary of change	It is proposed to modify the DL_InformationPerRL by specifying information about cell-B (freq info and UL-scrambling code)
Source of change	New change
Label	WA#RRC4404

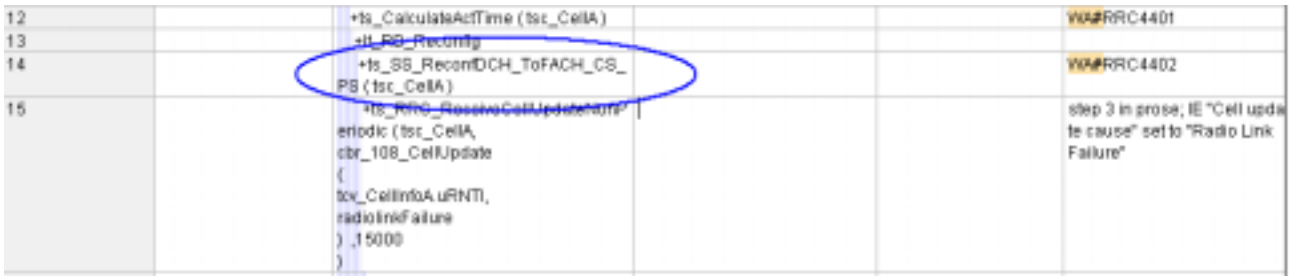


lt_RB_Reconfig				
27		[tcv_RRC_RAB_Type = cell_DCH_Speech]		
28		AM ! RLC_AM_DATA_REQ	car_RB_ReconfigureWithCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui, cbs_108_RB_ReconfigSpeech (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, tcv_CellInfoB.uL_ScramblingCode+1))	step 1 of prose; Cell_DCH_Speech Speech in CS channelization code for down link DPCH modified WA#RRC4404
36		[tcv_RRC_RAB_Type = cell_DCH_64kPS_RAB_SRB]		
37		AM ! RLC_AM_DATA_REQ	car_RB_ReconfigureWithCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui, cbs_108_RB_Reconfig64k_PS (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, tcv_CellInfoB.uL_ScramblingCode+1))	step 1 of prose; Cell_DCH_64kPS_RAB_SRB in PS channelization code for down link DPCH modified WA#RRC4404
38		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf(tsc_CellDedicated, tsc_RB2, tsc_Mui)	

4.4 tc_8_2_2_4 : lt_RB_Reconfig (WA#RRC4402)

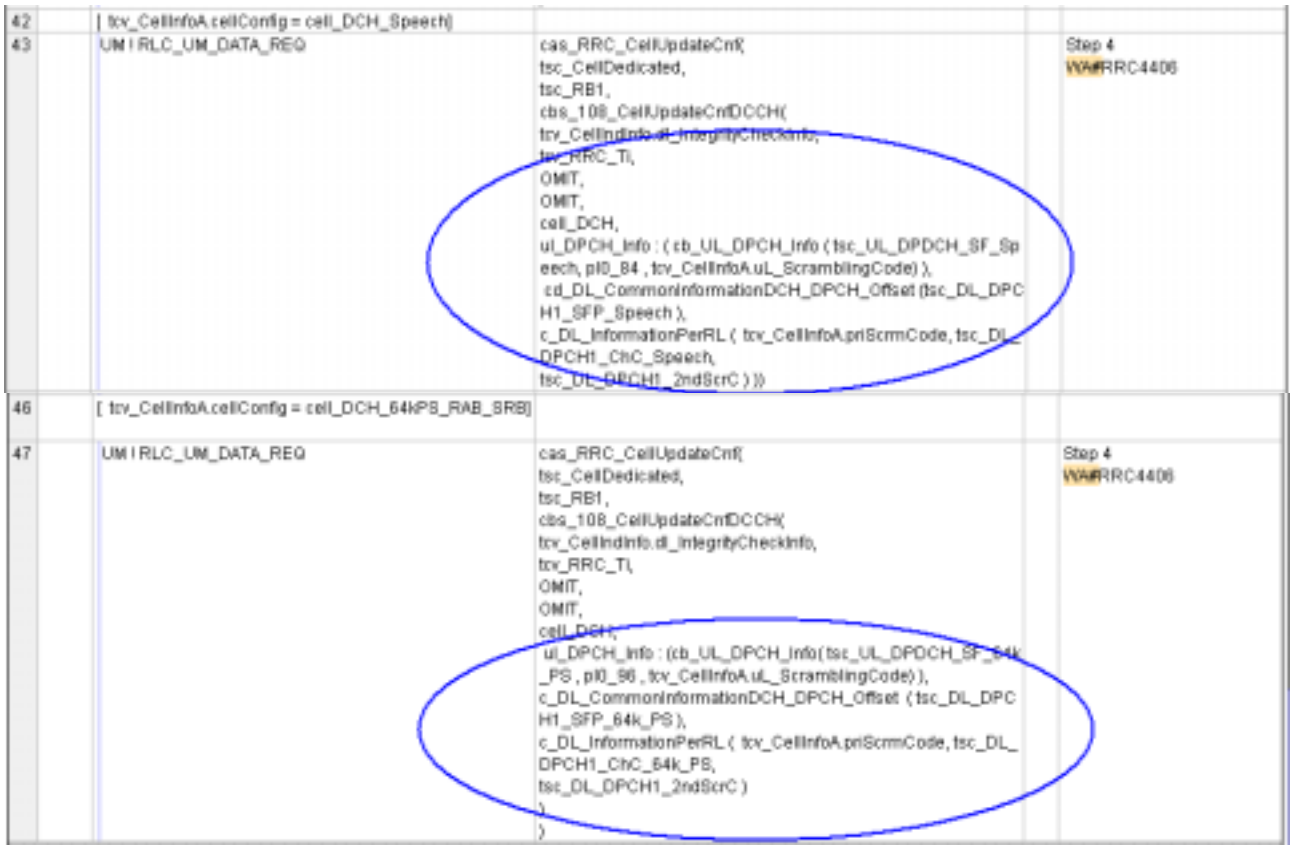
Test step name	tc_8_2_2_4 : lt_RB_Reconfig
Reason for change	Changing the DL-DPCh channelisation code will not result in RB reconfig failure
Summary of change	It is proposed to remove the test step lt_SS_DPCH_ChannelizationCodeModify and add +ts_SS_ReconfDCH_ToFACH_CS_PS (tsc_CellA) (move the SS to FACH configuration). This would result in a radio link failure.

Source of change	New change
Label	WA#RRC4402



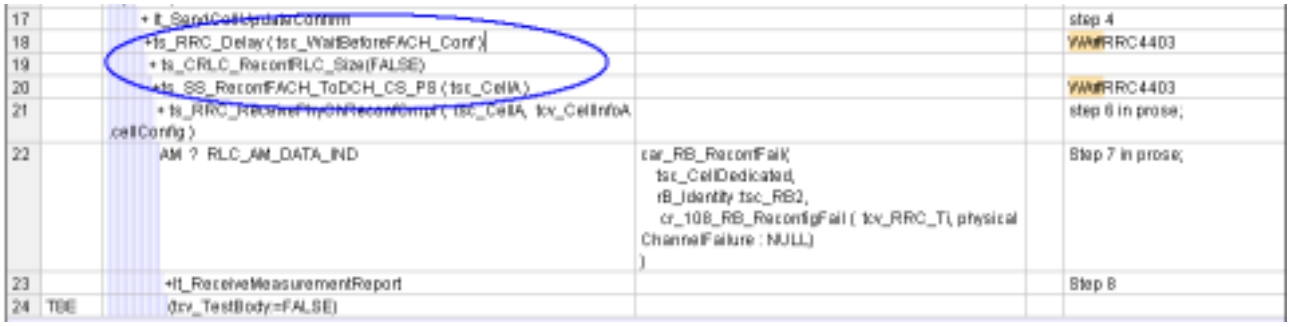
4.5 Tc_8_2_2_4 : lt_SendCellUpdateConfirm (WA#RRC4406)

Test step name	Tc_8_2_2_4 : lt_SendCellUpdateConfirm
Reason for change	The Cell Update confirm message does not match the local configuraiton
Summary of change	Modified the cell update confirm message for cell_DCH_64kPS_RAB_SRB and cell_DCH_Speech
Source of change	New change
Label	WA#RRC4406



4.6 Tc_8_2_2_4 : lt_LocalTest WA#RRC4403

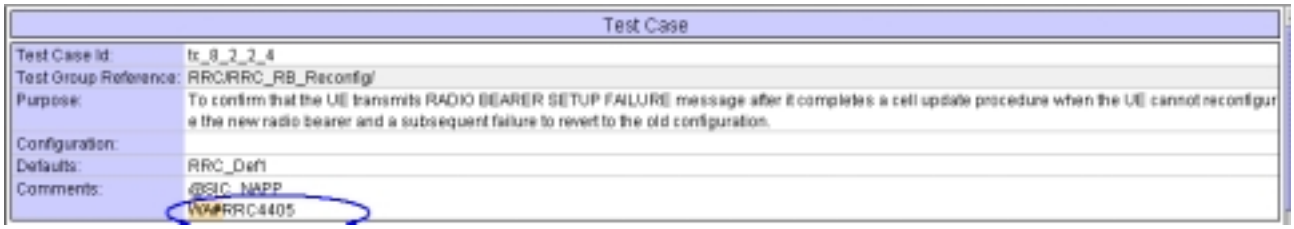
Test step name	Tc_8_2_2_4 : lt_LocalTest
Reason for change	1)The delay is added to make sure that the Cell-Update confirm message is sent beofre the local configuration is done. 2)The SS should be brought back to Cell-DCH
Summary of change	1)Added +ts_RRC_Delay (tsc_WaitBeforeFACH_Conf) after cell update confirm message. 2)Added +ts_SS_ReconfFACH_ToDCH_CS_PS (tsc_CellA)
Source of change	New change
Label	WA#RRC4403



17		+ lt_Send[illegible]		step 4
18		+ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)		WA#RRC4403
19		+ ts_CRLC_ReconfRLC_Size(FALSE)		
20		+ts_SS_ReconfFACH_ToDCH_CS_PS (tsc_CellA)		WA#RRC4403
21		+ ts_RRC_[illegible] (tsc_CellA, tcv_CellInfoA cellConfig)		step 6 in prose;
22		AM ? RLC_AM_DATA_IND	car_RB_ReconfFail(tsc_CellDedicated, rB_Identity tsc_RB2, cr_108_RB_ReconfigFail (tcv_RRC_T(physical ChannelFailure : NULL))	Step 7 in prose;
23		+lt_ReceiveMeasurementReport		Step 8
24	TDE	(tcv_TestBody:=FALSE)		

4.7 tc_8_2_2_4 (WA#RRC4406)

Test step name	tc_8_2_2_4
Reason for change	These local test step is not needed for this implementation
Summary of change	Removed the following local test step lt_SS_DPCH_ChannelizationCodeModify, lt_SS_DPCH_ChannelizationCodeModify1, lt_SetDL_RL_Param1, and lt_SetDL_RL_Param.
Source of change	New change
Label	WA#RRC4406



Test Case	
Test Case Id:	tc_8_2_2_4
Test Group Reference:	RRC/RRC_RB_Reconfig/
Purpose:	To confirm that the UE transmits RADIO BEARER SETUP FAILURE message after it completes a cell update procedure when the UE cannot reconfigur e the new radio bearer and a subsequent failure to revert to the old configuration.
Configuration:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP WA#RRC4405

5 Branches executed in test case 8.2.2.4

The test case implementation executed the CS and PS branch for 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_2_2_4_Logs-Nokia-PS\Index.html**
  Execution log files 8_2_2_4_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_2_2_4-pics-pixit-Nokia-CS.html**
  PICS/PIXIT file 8_2_2_4-pics-pixit-Nokia-PS.html
  HTML file containing all PICS/PIXIT parameters used for testing the CS & PS mode

6.2 Motorola A845 3G UE

The Motorola A845 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_2_2_4_Logs-Motorola-PS\Index.html**
  Execution log files 8_2_2_4_Logs-Motorola-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_2_2_4-pics-pixit-Motorola-CS.html**
  PICS/PIXIT file 8_2_2_4-pics-pixit-Motorola-PS.html
  HTML file containing all PICS/PIXIT parameters used for testing the CS & PS mode

7 References

[1] **T1s040516**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **433** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

*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 8.2.6.12 to RRC ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/08/2004
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 8.2.6.12 to the approved RRC ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 8.2.6.12 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	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 ⌘T1s040517

Title: **Changes to test case 8.2.6.12 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.2.6.12 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_8_2_6_12
Test Group:	RRC\RRC_PhyCh_Reconfig
ATS Version:	iWD-TVB2003-03_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 6630 & Motorola A845
Verification Status:	PASS

4 Corrections required for test case 8.2.6.12

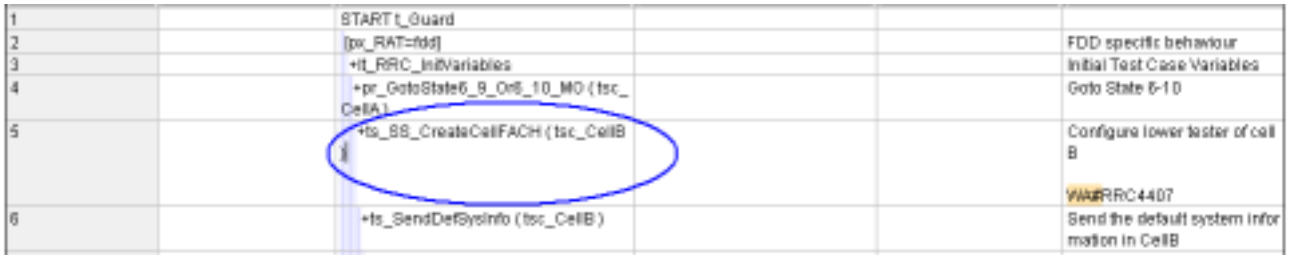
4.1 Introduction

This section describes the changes required to make test case 8.2.6.12 run correctly with a 3G UE. All modifications are marked with label "**WA#RRC<number>**" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release. This ATS, provided by MCC160 contains GCF package 1 to 4 test cases.

4.2 tc_8_2_6_12 (WA#RRC4407)

Test step name	Tc_8_2_6_12
Reason for change	The Second cell must be created in Cell-FACH configuration, as the cell update confirm message updates the UE with Cell-FACH Configuration
Summary of change	Changed Cell B configuration to FACH, used +ts_SS_CreateCellFACH (tsc_CellB)
Source of change	New change
Label	WA#RRC4407



1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+tf_RRC_InitVariables			Initial Test Case Variables
4		+pr_GotoState6_9_On6_10_MO (tsc_CellA)			Goto State 6-10
5		+ts_SS_CreateCellFACH (tsc_CellB)			Configure lower tester of cell B WA#RRC4407
6		+ts_SendDefSysInfo (tsc_CellB)			Send the default system information in CellB

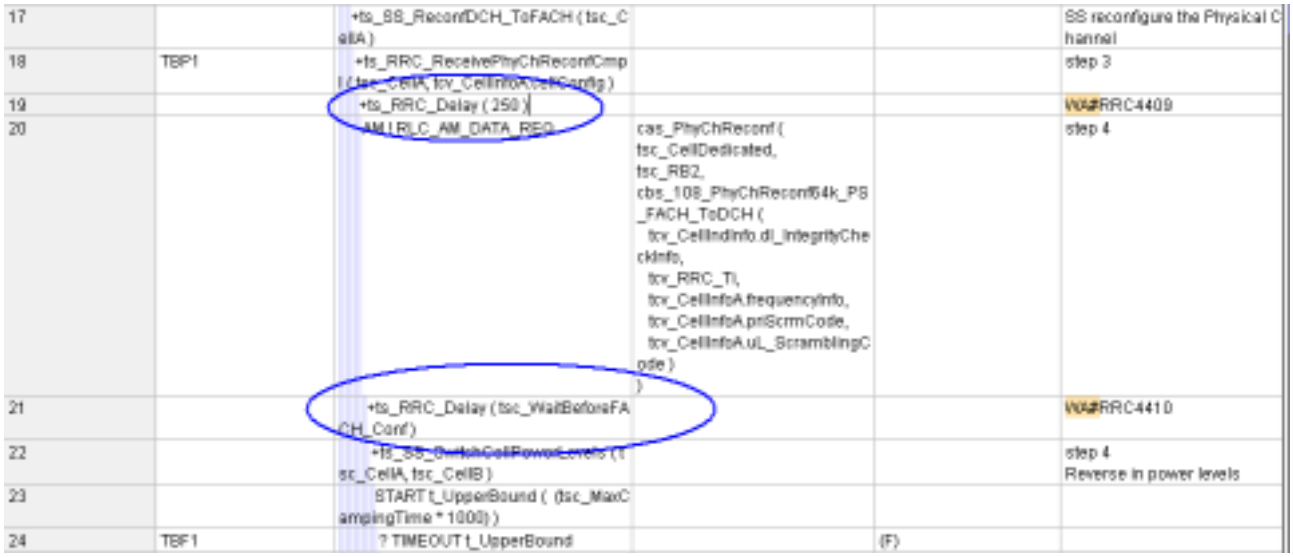
4.3 tc_8_2_6_12 (WA#RRC4409)

Test step name	Tc_8_2_6_12
Reason for change	A delay is required before the second Phy Channel reconfig message is sent.

Summary of change	Added +ts_RRC_Delay (250)
Source of change	New change
Label	WA#RRC4409

4.4 tc_8_2_6_12 (WA#RRC4410)

Test step name	Tc_8_2_6_12
Reason for change	A delay is required to make sure that the L2 Ack is received.
Summary of change	Added +ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)
Source of change	New change
Label	WA#RRC4410



4.5 tc_8_2_6_12 (WA#RRC4516)

Test step name	Tc_8_2_6_12
Reason for change	A delay is required to make sure that the Cell update confirm message is sent before the CMAC reconfiguration.
Summary of change	Added +ts_RRC_Delay (30)
Source of change	New change
Label	WA#RRC4516

48		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellB, tcv_CellInfoB.uRNTI , tcv_CellInfoB.cRNTI)		SS reconfiguration
49		UM I RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfDCCH (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_CellInfoB.uRNTI, tcv_CellInfoB.cRNTI, cell_FACH, OMIT, OMIT, OMIT))	step 8
50		+ts_RRC_Delay (30)		WAIT RRC451 6
51		+ts_CMAC_New_RNTI_Reconf (FALSE, tsc_CellB, tcv_CellInfoB.uRN TI, tcv_CellInfoB.cRNTI)		SS reconfiguration

5 Branches executed in test case 8.2.6.12

The test case implementation executed the PS branch for 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_2_6_12_Logs-Nokia-PS\Index.html**
  These execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 8_2_6_12-pics-pixit-Nokia-PS.html**
  HTML file containing all PICS/PIXIT parameters used for testing the CS & PS mode

6.2 Motorola A845 3G UE

The Motorola A845 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_2_6_12_Logs-Motorola-PS\Index.html**

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

- **PICS/PIXIT file 8_2_6_12-pics-pixit- Motorola -PS.html**
  HTML file containing all PICS/PIXIT parameters used for testing the CS & PS mode

7 References

[1] **T1s040518**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **430** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 12.9.3 to NAS ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/08/2004
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 12.9.3 to the approved NAS ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 12.9.3 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

Other specs affected:	⌘	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 ⌘T1s040519

Title: **Changes to test case 12.9.3 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 12.9.3 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_12_9_3
Test Group:	GMM/ ServiceRequest_procedures
ATS Version:	iWD-TVB2003-03_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 6630 & Motorola A845
Verification Status:	PASS

4 Corrections required for test case 12.9.3

4.1 Introduction

This section describes the changes required to make test case 12.9.3 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release. This provided, by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 12.9.3:

WA#NAS4395, WA#NAS4426 & WA#NAS4427

4.2 ts_GMM_DetachOnSwitchOff (WA#NAS4453)

Test step name	ts_GMM_DetachOnSwitchOff
Reason for change	PS detach would be performed in an NMO_II test case, if ATT Flag is OFF
Summary of change	Added (tcv_TmpCellInfo.nmo = tsc_NMO_II)
Source of change	New change
Label	WA#NAS4453

2		[pc_SwitchOnOff]		UE can actually be switched off
3		+ts_SetTmpCellInfo (p_CellId)		Get CellInfo to be used later
4		+lt_Init_RRC_RelStatus		
5		+ts_MMI_UE_SwitchOff		
6		+ts_RRC_ConnEst(p_CellId, est_MO, detach)		
7		[(tcv_TmpCellInfo.attFlag = tsc_AttOff) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]		ATT flag is not set, only GPRS detach is required WA#NAS4453
8		+lt_Detach_PSonly		
9		+ts_RRC_ConnRel_AfterSwitchOff(p_CellId, tcv_RRC_RelStatus)		
10		[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]		If UE is in operation mode A and network mode of operation is I, then run combined PS/CS procedures.
11		+lt_Detach_NMO_I		

4.3 tc_12_9_3

4.3.1 WA#NAS4534

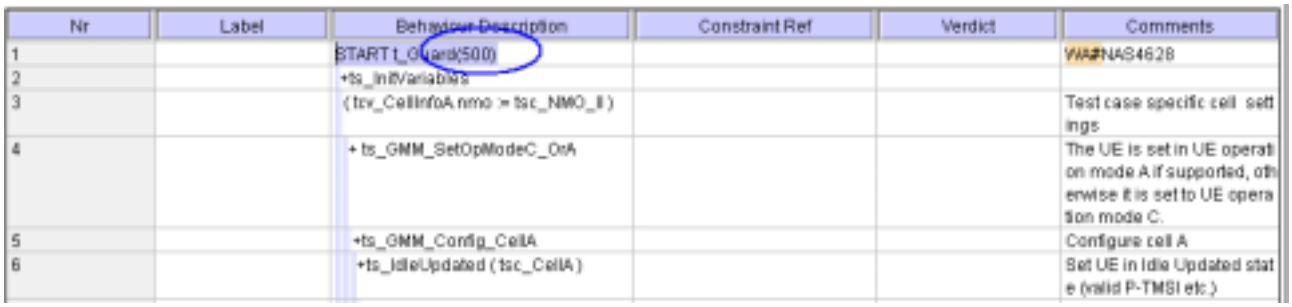
Test step name	tc_12_9_3 : lt_TestBody
Reason for change	Due to previous Service reject message UE would start CS registration & therefor Attach should not be triggered at this point
Summary of change	Removed "ts_GMM_AT_Attach_IfNotAutomatic" before +lt_Attach_Steps_14To17
Source of change	New change
Label	WA#NAS4534

Test Case	
Test Case Id:	tc_12_9_3
Test Group Reference:	GMM/ServiceRequest_procedures/
Purpose:	To test the behaviour of the UE when the network rejects the service request procedure with cause 'Illegal MS'.
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, RAI-1 and IMSI WA#NAS4534

31		+ts_VerifyNoAccess (30)		Step 22. Verify UE does not attempt to access the network (for 30s)
32		+ ts_MM_PwrOrUSIM_Off (TRUE)		Step 23 If possible USIM removal is performed. Otherwise if possible switch off is performed. Otherwise the power is removed @sic VB USIM removal sic @
33		+ts_MM_PwrOrUSIM_On (TRUE)		@sic VB USIM removal sic @
34		+lt_Attach_Steps_14To17		Steps 26 to 28 (identical signalling as in steps 14 to 17)

4.3.2 WA#NAS4628

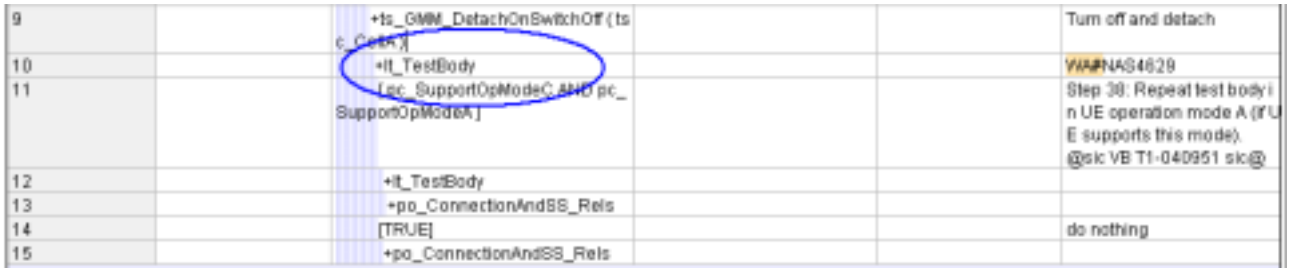
Test step name	tc_12_9_3
Reason for change	Extended t_guard to allow enough time for the test execution
Summary of change	Extended T-Guard to 500
Source of change	New change
Label	WA#NAS4628



Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(500)			WA#NAS4628
2		+ts_InitVariables			
3		(tcv_CellInfoA.nmo := tsc_NMO_II)			Test case specific cell sett ings
4		+ ts_GMM_SetOpModeC_OnA			The UE is set in UE operati on mode A if supported, oth erwise it is set to UE opera tion mode C.
5		+ts_GMM_Config_CellA			Configure cell A
6		+ts_IdleUpdated (tsc_CellA)			Set UE in Idle Updated stat e (valid P-TMSI etc.)

4.3.3 WA#NAS4629

Test step name	tc_12_9_3
Reason for change	Missing Call for local test step (lt_TestBody)
Summary of change	Added +lt_TestBody after +ts_GMM_DetachOnSwitchOff (tsc_CellA)
Source of change	New change
Label	WA#NAS4629



9		+ts_GMM_DetachOnSwitchOff (ts c_CellA)			Turn off and detach
10		+lt_TestBody			WA#NAS4629
11		[tsc_SupportOpModeC AND pc_ SupportOpModeA]			Step 38: Repeat test body i n UE operation mode A (if U E supports this mode). @sic VB T1-040951 sic@
12		+lt_TestBody			
13		+po_ConnectionAndSS_Rels			
14		[TRUE]			do nothing
15		+po_ConnectionAndSS_Rels			

4.3.4 WA#NAS4593

Test step name	tc_12_9_3 : lt_TestBody
Reason for change	Missing Confirm message for AT command +CGACT=1,1
Summary of change	Added CNF message
Source of change	New change
Label	WA#NAS4593

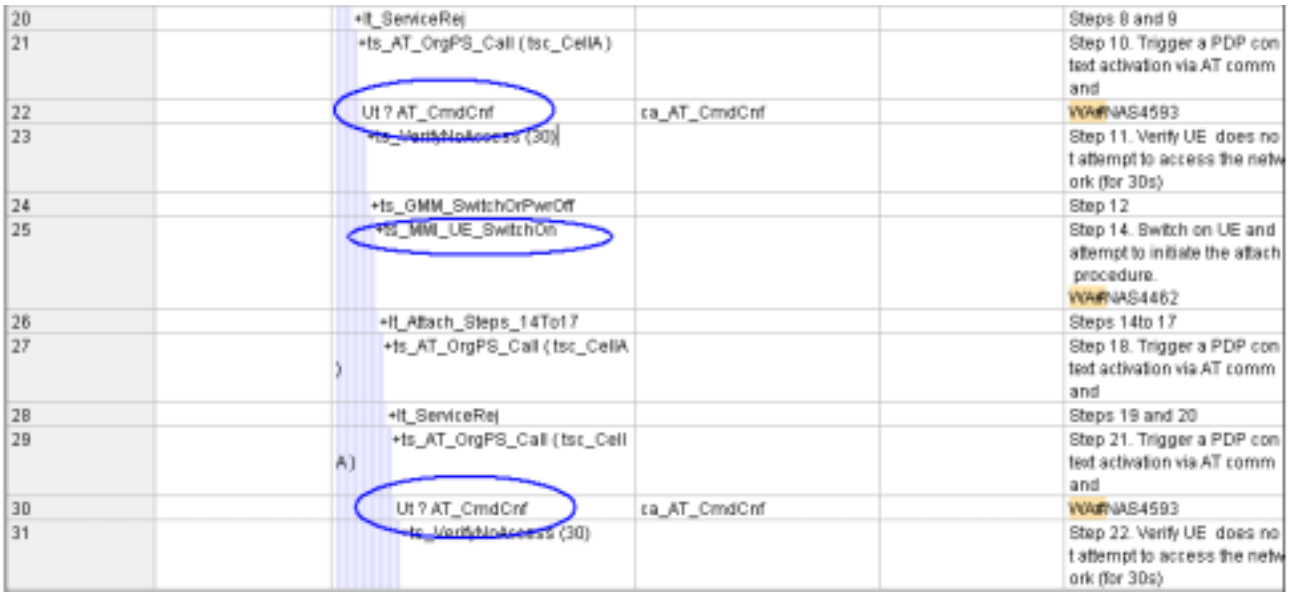
4.3.5 WA#NAS4462

Test step name	tc_12_9_3 : lt_TestBody
Reason for change	Upon Switch on the UE will perform CS registration, therefore GMM Attach trigger should not be performed
Summary of change	Replaced "ts_MMI_UE_SwitchOnTriggerGMM_Attach" with

"ts_MMI_UE_SwitchOn"

Source of change New change

Label WA#NAS4462



20		+lt_ServiceRej		Steps 8 and 9
21		+ts_AT_OrgPS_Call (tsc_CellA)		Step 10. Trigger a PDP context activation via AT command
22		Ut ? AT_CmdCnf	ca_AT_CmdCnf	WA#NAS4593
23		+ts_VerifyNoAccess (30)		Step 11. Verify UE does not attempt to access the network (for 30s)
24		+ts_GMM_SwitchOnPwrOff		Step 12
25		+ts_MMI_UE_SwitchOn		Step 14. Switch on UE and attempt to initiate the attach procedure. WA#NAS4462
26		+lt_Attach_Steps_14To17		Steps 14to 17
27		+ts_AT_OrgPS_Call (tsc_CellA)		Step 18. Trigger a PDP context activation via AT command
28		+lt_ServiceRej		Steps 19 and 20
29		+ts_AT_OrgPS_Call (tsc_CellA)		Step 21. Trigger a PDP context activation via AT command
30		Ut ? AT_CmdCnf	ca_AT_CmdCnf	WA#NAS4593
31		+ts_VerifyNoAccess (30)		Step 22. Verify UE does not attempt to access the network (for 30s)

4.3.6 WA#NAS4467

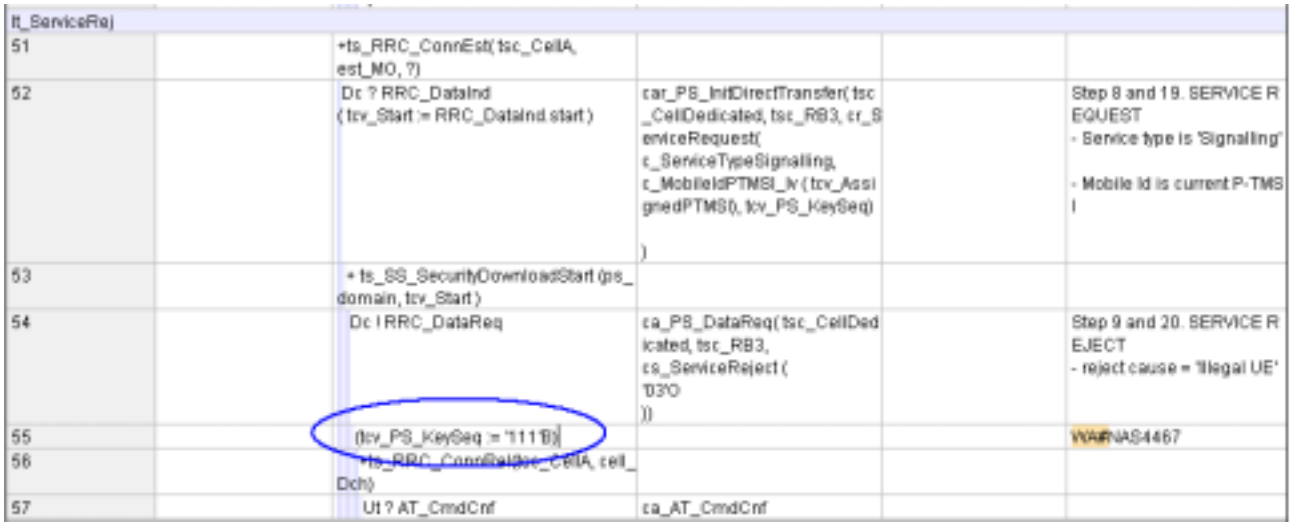
Test step name tc_12_9_3 : lt_ServiceRej

Reason for change According to 24.008 Clau 4.7.13.4, The UE shall delete any TMSI, LAI and ciphering key sequence number.

Summary of change Added (tcv_PS_KeySeq := '111'B)

Source of change New change

Label WA#NAS4467



lt_ServiceRej				
51	+ts_RRC_ConnEst(tsc_CellA, est_MO, ?)			
52	Dc ? RRC_DataInd (tcv_Start := RRC_DataInd:start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_ServiceRequest(c_ServiceTypeSignalling, c_MobileIdPTMSI_iv (tcv_AssignedPTMSI), tcv_PS_KeySeq))		Step 8 and 19. SERVICE REQUEST - Service type is 'Signalling' - Mobile Id is current P-TMSI
53	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
54	Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_ServiceReject ('03'O))		Step 9 and 20. SERVICE REJECT - reject cause = 'Illegal UE'
55	(tcv_PS_KeySeq := '111'B)			WA#NAS4467
56	+ts_RRC_ConnRelease_CellA, cell_Dch)			
57	Ut ? AT_CmdCnf	ca_AT_CmdCnf		

5 Branches executed in test case 12.9.3

The test case implementation executed the PS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach Off & 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 12_9_3_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_9_3-pics-pixit-Nokia.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

6.2 Motorola A845 3G UE

The Motorola A845 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_3_Logs-Motorola\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_3-pics-pixit-Motorola.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

7 References

[1] **T1s040520**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **431** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 12.9.4 to NAS ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/08/2004
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 12.9.4 to the approved NAS ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 12.9.4 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	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 ⌘T1s040521

Title: **Changes to test case 12.9.4 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 12.9.4 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_12_9_4
Test Group:	GMM/ ServiceRequest_procedures
ATS Version:	iWD-TVB2003-03_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 6630 & Motorola A845
Verification Status:	PASS

4 Corrections required for test case 12.9.4

4.1 Introduction

This section describes the changes required to make test case 12.9.4 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_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release. This ATS, provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 12.9.4:

WA#NAS4395, WA#NAS4426 & WA#NAS4427

4.2 ts_GMM_DetachOnSwitchOff (WA#NAS4453)

Test step name	ts_GMM_DetachOnSwitchOff
Reason for change	PS detach would be performed in an NMO_II test case, if ATT Flag is OFF
Summary of change	Added (tcv_TmpCellInfo.nmo = tsc_NMO_II)
Source of change	New change
Label	WA#NAS4453

2		[pc_SwitchOnOff]		UE can actually be switched off
3		+ts_SetTmpCellInfo (p_CellId)		Get CellInfo to be used later
4		+lt_Init_RRC_RelStatus		
5		+ts_MMI_UE_SwitchOff		
6		+ts_RRC_ConnEst(p_CellId, est_MO, detach)		
7		[(tcv_TmpCellInfo.attFlag = tsc_AttOff) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]		ATT flag is not set, only GPRS detach is required WA#NAS4453
8		+lt_Detach_PSonly		
9		+ts_RRC_ConnRel_AfterSwitchOff(p_CellId, tcv_RRC_RelStatus)		
10		[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]		If UE is in operation mode A and network mode of operation is I, then run combined PS/CS procedures.
11		+lt_Detach_NMO_I		

4.3 tc_12_9_4

4.3.1 WA#NAS4630

Test step name	tc_12_9_4
Reason for change	Extended t_guard to allow enough time for the test execution
Summary of change	Extended T-Guard to 500
Source of change	New change
Label	WA#NAS4630

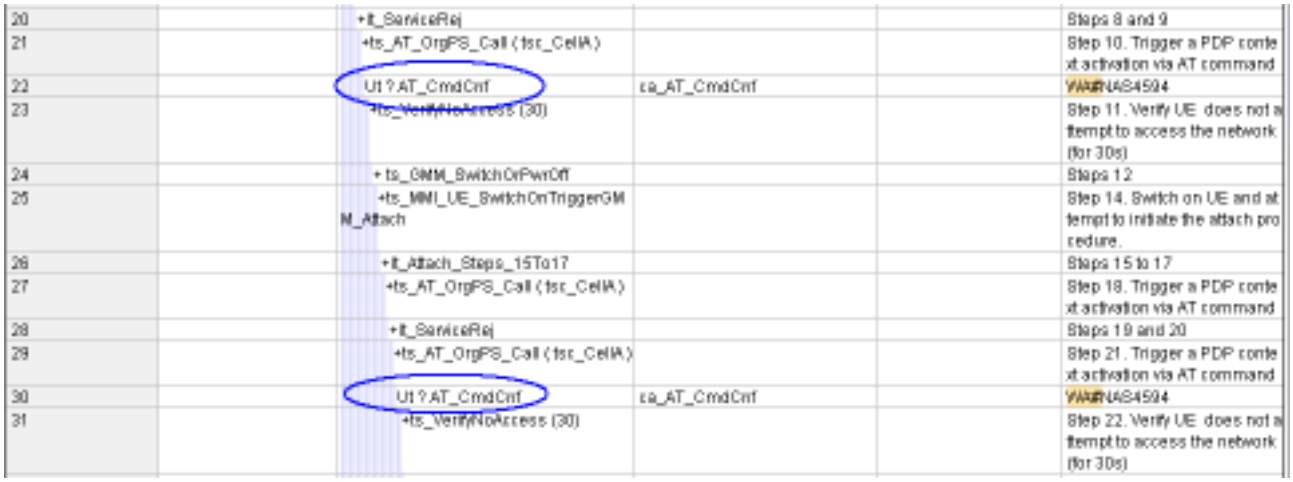
Test Case	
Test Case Id:	tc_12_9_4
Test Group Reference:	GMM/ServiceRequest_procedures/
Purpose:	To test the behaviour of the UE when the network rejects the service request procedure with cause 'PS services not allowed'.
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	@SIC_NAPP Initial conditions - SS : Two cells operating in network operation mode II - UE : The UE has a valid P-TMSI, P_TMSI signature, RAI and GPRS ciphering key sequence number

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(500)			WA#NAS4630
2		+ts_InitVariables			
3		(tcv_CellInfoA.nmo = tsc_NMO_II)			Test case specific cell settings
4		+ ts_GMM_SetOpModeC_OtA			The UE is set in UE operation mode A if supported, otherwise it is set to UE operation mode C.
5		+ts_GMM_Config_CellA			Configure cell A

4.3.2 WA#NAS4594

Test step name	tc_12_9_4 : lt_TestBody
Reason for change	Missing Confirm message for AT command +CGACT=1,1
Summary of change	Added CNF message
Source of change	New change

Label	WA#NAS4594



4.3.3 WA#NAS4535

Test step name	tc_12_9_4 : lt_TestBody
Reason for change	Ass ATT flag is disabled, the UE would not send any IMSI detach messages during switch off
Summary of change	Replaced "ts_MM_IMSI_Detach" with "ts_MM_PwrOrUSIM_Off"
Source of change	New change
Label	WA#NAS4535

4.3.4 WA#NAS4536

Test step name	tc_12_9_4 : lt_TestBody
Reason for change	The UE should be given a few seconds delay to read the SIBs before triggering the Attach procedure after Switch on
Summary of change	Added test step "ts_NAS_Delay"
Source of change	New change
Label	WA#NAS4536

4.3.5 WA#NAS4472

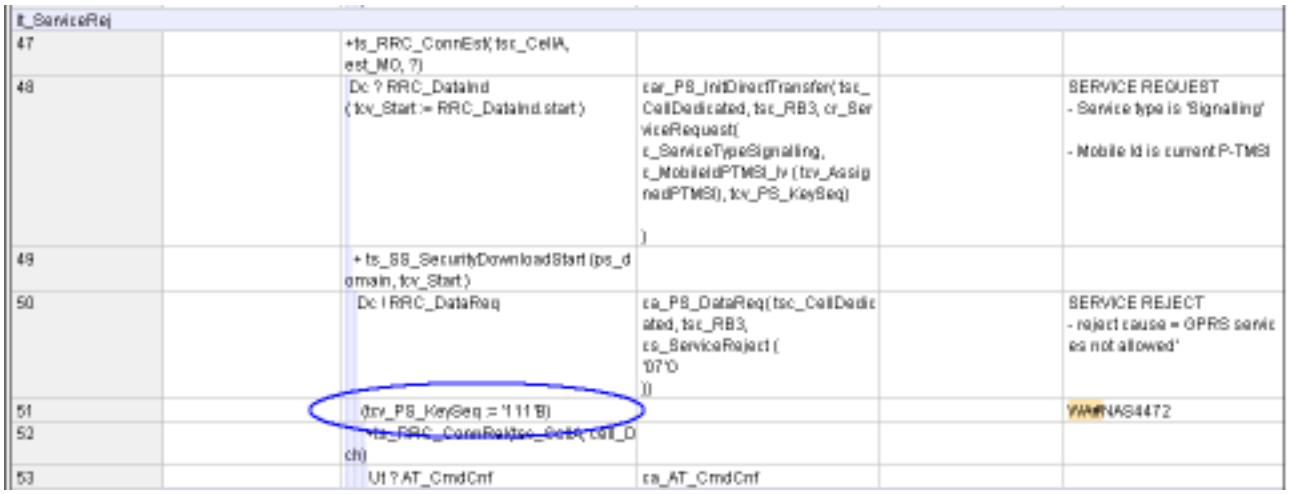
Test step name	tc_12_9_4 : lt_ServiceRej
Reason for change	According to 24.008 Clau 4.7.13.4, The UE shall delete any TMSI, LAI and

ciphering key sequence number.

Summary of change Added (tcv_PS_KeySeq := '111'B)

Source of change New change

Label WA#NAS4472



tt_ServiceRej					
47		+ts_RRC_ConnEst(tsc_CellA, est_MO, ?)			
48		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd:start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_ServiceRequest(c_ServiceTypeSignalling, c_MobileIdPTMSI_iv (tcv_AssignedPTMSI), tcv_PS_KeySeq))		SERVICE REQUEST - Service type is 'Signalling' - Mobile Id is current P-TMSI
49		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
50		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_ServiceReject ('07'O))		SERVICE REJECT - reject cause = GPRS services not allowed'
51		tcv_PS_KeySeq := '111'B			WA#NAS4472
52		+ts_RRC_ConnRel(tsc_CellA, cell_Dch)			
53		Ut ? AT_CmdCnf	ca_AT_CmdCnf		

5 Branches executed in test case 12.9.4

The test case implementation executed the PS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off & 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 12_9_4_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_9_4-pics-pixit-Nokia.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

6.2 Motorola A845 3G UE

The Motorola A845 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_4_Logs-Motorola\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_4-pics-pixit-Motorola.html**
  HTML file containing all PICS/PIXIT parameters used for testing the PS mode

7 References

[1] **T1s040522**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** 436 ⌘ **rev** - ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.2.40 to RAB ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	16/08/2004
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 1 RAB test case 14.2.40 to the approved RAB ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 14.2.40 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 **T1s040523**
01 Jan - 31 Dec 2004

Title: **Changes to test case 14.2.40 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.40 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_40
Test Group:	RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
ATS Version:	iWD-TVB2003-01_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.2.40

4.1 Introduction

This section describes the changes required to make test case 14.2.40 run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

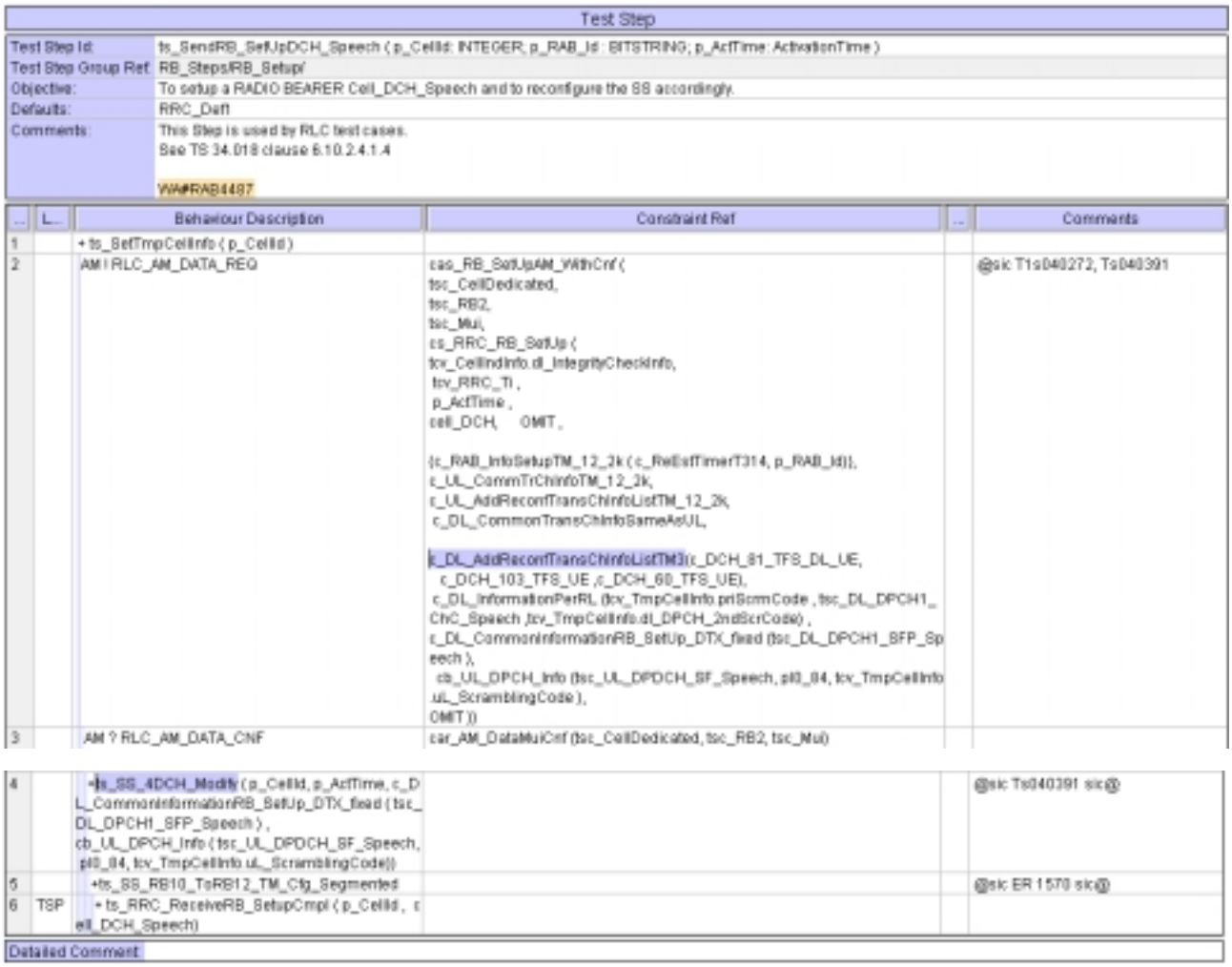
The ATS version used as basis was RAB_wk31.mp which is part of the iWD-TVB2003-03_D01wk31 release plus high priority CRs implemented. This ATS, provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.40:

WA#RAB4218, WA#RAB4378, WA#RAB4383, WA#RAB4384, WA#RAB4387, WA#RAB4394, WA#RAB4397, WA#RAB4407, WA#RAB4418, WA#RAB4424, WA#RAB4456, WA#RAB4461, WA#RAB4462, WA#RAB4463, WA#RAB4475, WA#RAB4483 and WA#RAB4485.

4.2 ts_SendRB_SetUpDCH_Speech (WA#RAB4487)

Test step name	ts_SendRB_SetUpDCH_Speech
Reason for change	The RM attribute for DL DCH5 must have a 170 value. So these value must be corrected in the CS RAB bearer procedure.
Summary of change	In line 2 used "c_DL_AddReconfTransChInfoListTM3" instead of "c_DL_AddReconfTransChInfoListTM3_RM192" , and "ts_SS_4DCH_Modify" instead of "ts_SS_4DCH_Modify_1" in line 4.
Source of change	ETSI, Anite and R&S
Label	WA#RAB4487



Test Step

Test Step Id:	ts_SendRB_SetUpDCH_Speech (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	To setup a RADIO BEARER Cell_DCH_Speech and to reconfigure the SS accordingly.
Defaults:	RRC_Def1
Comments:	This Step is used by RLC test cases. See TS 34.018 clause 8.10.2.4.1.4 WA#RAB4487

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_SetUp (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI , p_ActTime , cell_DCH, OMIT , {c_RAB_InfoSetupTM_12_2k (c_ReEstTimerT314, p_RAB_Id)}, c_UL_CommTrChInfoTM_12_2k, c_UL_AddReconfTransChInfoListTM_12_2k, c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM3(c_DCH_81_TFS_DL_UE, c_DCH_103_TFS_UE ,c_DCH_60_TFS_UE), c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode , tsc_DL_DPCH1_ChC_Speech ,tcv_TmpCellInfo.dl_DPCH_2ndScrCode) , c_DL_CommonInformationRB_SetUp_DTX_flexd (tsc_DL_DPCH1_SFP_Speech), cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84, tcv_TmpCellInfo.ul_ScramblingCode), OMIT))		@sic T1s040272, Ts040391
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		
4		+ts_SS_4DCH_Modify (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp_DTX_flexd (tsc_DL_DPCH1_SFP_Speech) , cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84, tcv_TmpCellInfo.ul_ScramblingCode))			@sic Ts040391 sic@
5		+ts_SS_RB10_TsRB12_TM_Cfg_Segmented			@sic ER 1570 sic@
6	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId , cell_DCH_Speech)			

Detailed Comment:

4.3 c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)

Test step name	c_TrLogMappingDL_TM3_AM1
Reason for change	The MAC TFC reselection algorithm depends on the priority for every logical channel. In the subtests which involves RB20 and other RABs in TM mode (RB10, RB11 and RB12) the mac priority for RB20 must be higher than or RB10. In the RB20 (AM mode) acknowledge PDUs must be sent sometimes taking the place in the data message. For example If the transport format used is DL_TFC3 (3 blocks in RB20) when the ACK PDUs must be sent it takes one of the blocks so 2 data blocks plus 1 ACK PDU are sent instead of the 3 data PDUs. The remain data PDU will be sent the next tti but this is possible only if there is a suitable TF available and also it is has a higher priority than the rest of the data in other RABs. See 11.4 “Transport format combination selection in UE” in TS 25.321
Summary of change	Used a value of 6 instead of 8 for the IE “ mac_LogicalChannelPriority” for RB20
Source of change	New Change
Label	WA#RAB4448

ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingDL_TM3_AM1
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4448

Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 dlconnectedTrCHList {
```

```
    },
    rB_Identity tsc_RB12 }
 },
 {trchid tsc_DL_DCH4,
  trCH_LogCHMappingList { { logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType dch,
      logicalChannelIdentity tsc_DL_DTCH4,
      logicalChannelType dTCH,
      rlc_SizeList configured: NULL,
      mac_LogicalChannelPriority 6
    },
    rB_Identity tsc_RB20 }
 },
 { trchid tsc_DL_DCH5,
  trCH_LogCHMappingList
  {
   { logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
```

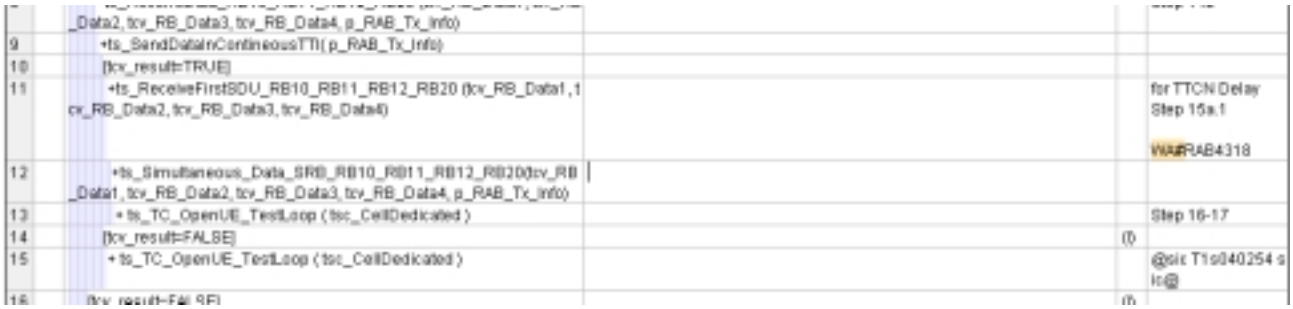
4.4 ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (WA#RAB4318)

Test step name	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20
Reason for change	Wrong use of the timer to control the send of the measurement control during continuos data transmission: the SS have to check the returned data during this time.
Summary of change	With the current code PDUs from the UE are received but these are caught wrongly by the “otherwise” mechanism as they are not expected. Used for each Subtest step a step of the type “ts_ReceiveFirstSDUs_...” instead of the control timer (START and TIMEOUT): For “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20” used “ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20”. This test step guarantees that at least one set of PDUs in RB10, RB11, RB12 and RB20 are received from the UE before sending the measurement control to the UE.
Source of change	New Change
Label	WA#RAB318

Test Step

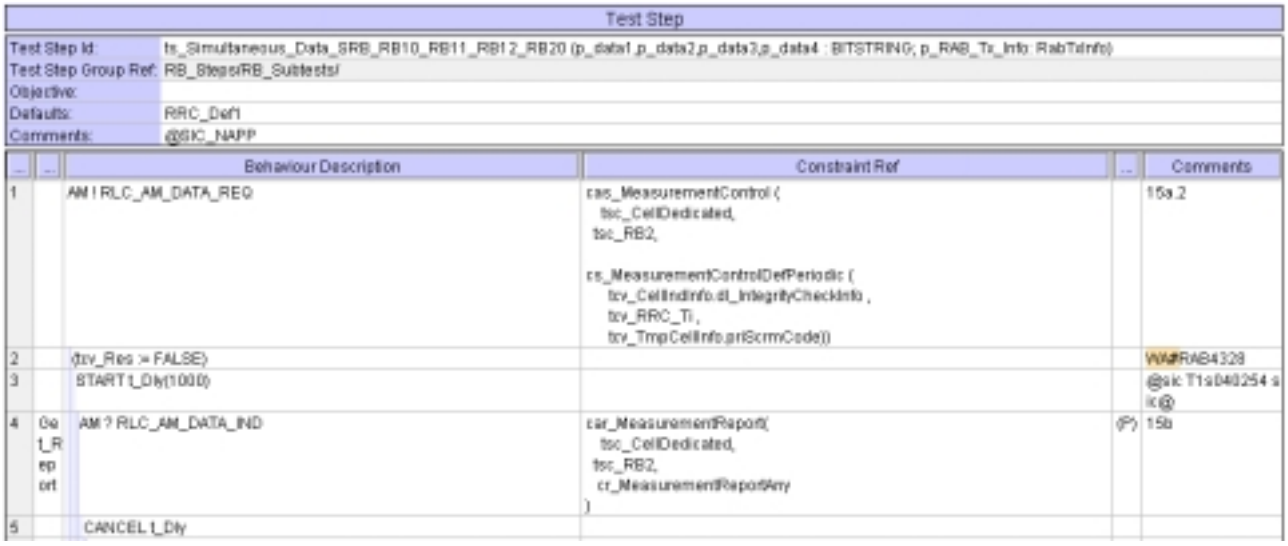
Test Step Id:	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (p_TFC_UL, p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1 LB_Setup p_RA B_Tx_Info: RabTxInfo p_mac_tti: INTEGER)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB10, RB11 and RB12 an RLC SDU. UE shall send back the same RLC SDU on the same 3 RBs. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

		Behaviour Description	Constraint Ref		Comments
1		AM ! RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, cbs_Tra		Step 11



4.5 ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 (WA#RAB4328)

Test step name	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20.
Reason for change	Due to WA#RAB4318 (see point 4.4) it is necessary to initialise the variable “tcv_Res” to FALSE again (as the “ts_ReceiveFirstSDU_...” modify its value to TRUE).
Summary of change	Added line with the assignment “tcv_Res”:=FALSE.
Source of change	New Change
Label	WA#RAB4328



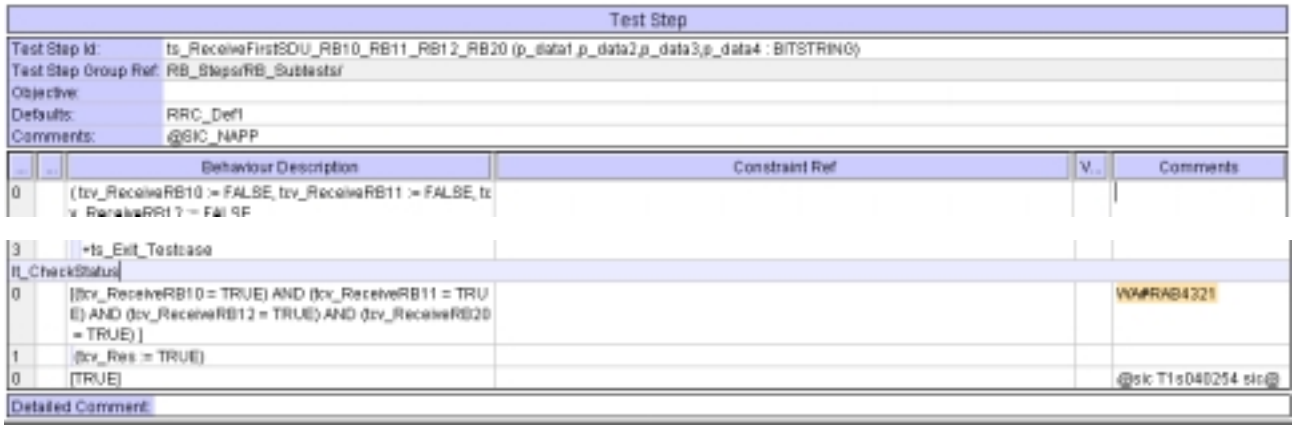
Test Step

Test Step Id:	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 (p_data1,p_data2,p_data3,p_data4 : BITSTRING; p_RAB_Tx_Info: RabTxInfo)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	RRC_Def1
Comments:	@GIC_NAPP

..	..	Behaviour Description	Constraint Ref	..	Comments
1		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlDefPeriodic (tcv_CellIndInfo.dl_IntegrityCheckInfo , tcv_RRC_Ti , tcv_TmpCellInfo.priScrmCode))		15a.2
2		(tcv_Res := FALSE)			WA#RAB4328
3		START t_Dly(1000)			@sic T1s040254 s ic@
4	Get_Report	AM ? RLC_AM_DATA_IND	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportAny)	(P)	15b
5		CANCEL t_Dly			

4.6 ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)

Test step name	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20
Reason for change	TTCN error, wrong control variable for RB20.
Summary of change	Used tcv_ReceiveRB20 instead of tcv_ReceiveRB12 for RB20.
Source of change	New Change
Label	WA#RAB4321



Test Step

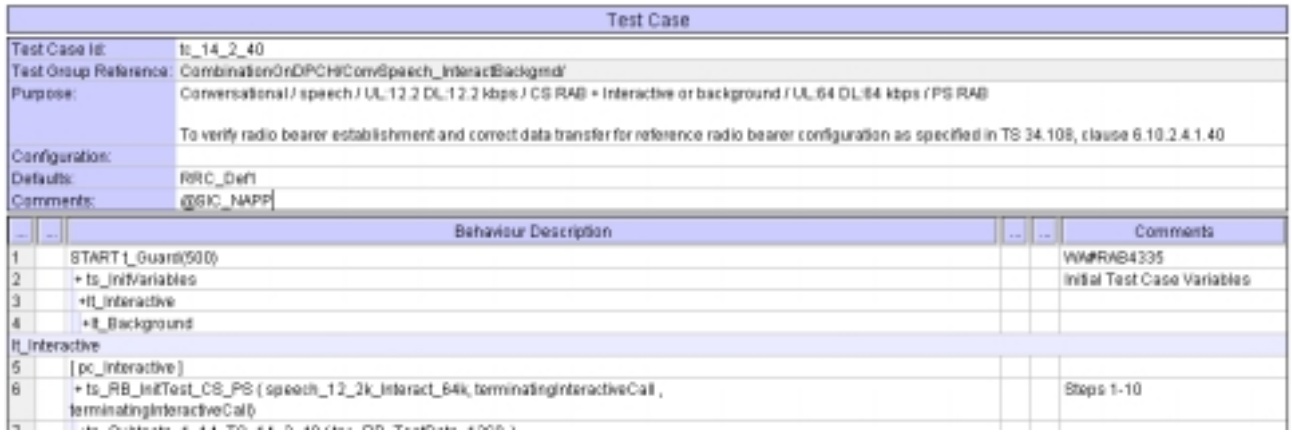
Test Step Id:	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (p_data1,p_data2,p_data3,p_data4 : BITSTRING)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

		Behaviour Description	Constraint Ref	V..	Comments
0		(tcv_ReceiveRB10 := FALSE, tcv_ReceiveRB11 := FALSE, tc			
		v_ReceiveRB12 := FALSE			
3		+ts_Exit_Testcase			
tt_CheckStatus					
0		[(tcv_ReceiveRB10 = TRUE) AND (tcv_ReceiveRB11 = TRU E) AND (tcv_ReceiveRB12 = TRUE) AND (tcv_ReceiveRB20 = TRUE)]			WA#RAB4321
1		(tcv_Res := TRUE)			
0		[TRUE]			@sic T1s040254 sic@

Detailed Comment:

4.7 tc_14_2_40 (WA#RAB4335)

Test step name	tc_14_2_40
Reason for change	Default t_Guard is not enough. The test case takes longer.
Summary of change	Used a value of 500 s for the t_Guard
Source of change	New Change
Label	WA#RAB4335



Test Case

Test Case Id:	tc_14_2_40
Test Group Reference:	Combination/OnDPCH/ConvSpeech_InteractBackgrnd/
Purpose:	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB To verify radio bearer establishment and correct data transfer for reference radio bearer configuration as specified in TS 34.108, clause 6.10.2.4.1.40
Configuration:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

		Behaviour Description	..	..	Comments
1		START t_Guard(500)			WA#RAB4335
2		+ ts_InitVariables			Initial Test Case Variables
3		+tt_Interactive			
4		+t_Background			
tt_Interactive					
5		[pc_Interactive]			
6		+ ts_RB_InitTest_CS_PS (speech_12_2k_Interact_64k, terminatingInteractiveCall , terminatingInteractiveCall)			Steps 1-10

4.8 ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_64k (WA#RAB4488)

Test step name	ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_64k
Reason for change	Inconsistency with approved CR 041172. The security procedure in steps B9 and B10 were move before the RAB setup procedure for PS (implemented in “ts_RB_InitTest_CS_PS”) thus it has to be removed from this test step.
Summary of change	Removed line 5 cally “ts_RRC_Security” for PS (steps B9 and B10)

Source of change	New Change
Label	WA#RAB4488

Test Step	
Test Step Id:	ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_64k (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime : ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup'
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP WA#RAB4488

		Behaviour Description			Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		+ts_SendRB_SetUpDCH_Speech (p_CellId, tsc_RAB_DefCS, p_ActTime)			1.
3		+ ts_SetCellCfg (p_CellId, cell_DCH_Speech)			
4		+ ts_CalculateActTime (p_CellId)			
5		+ts_SendRB_SetUpConvSpeech_InteractBackg_64k_CS_PS(p_CellId,p_RAB_Id, p_ActTime)			3.
6		+ ts_SetCellCfg (p_CellId, cell_Four_DTCH_CS_PS)			

5 Branches executed in test case 14.2.40

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

6 Execution Log Files

6.1 Ericsson 3G UE U100

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

- **Execution log files 14_2_40_CS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_40-pics-pixit-Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040524**
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 ⌘T1s040525

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** 437 ⌘ **rev** - ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.2.41 to RAB ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/08/2004
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 1 RAB test case 14.2.41 to the approved RAB ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 14.2.41 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:	⌘				

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 **T1s040525**
01 Jan - 31 Dec 2004

Title: **Changes to test case 14.2.41 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 14.2.41 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_41
Test Group:	RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
ATS Version:	iWD-TVB2003-01_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.2.41

4.1 Introduction

This section describes the changes required to make test case 14.2.41 run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

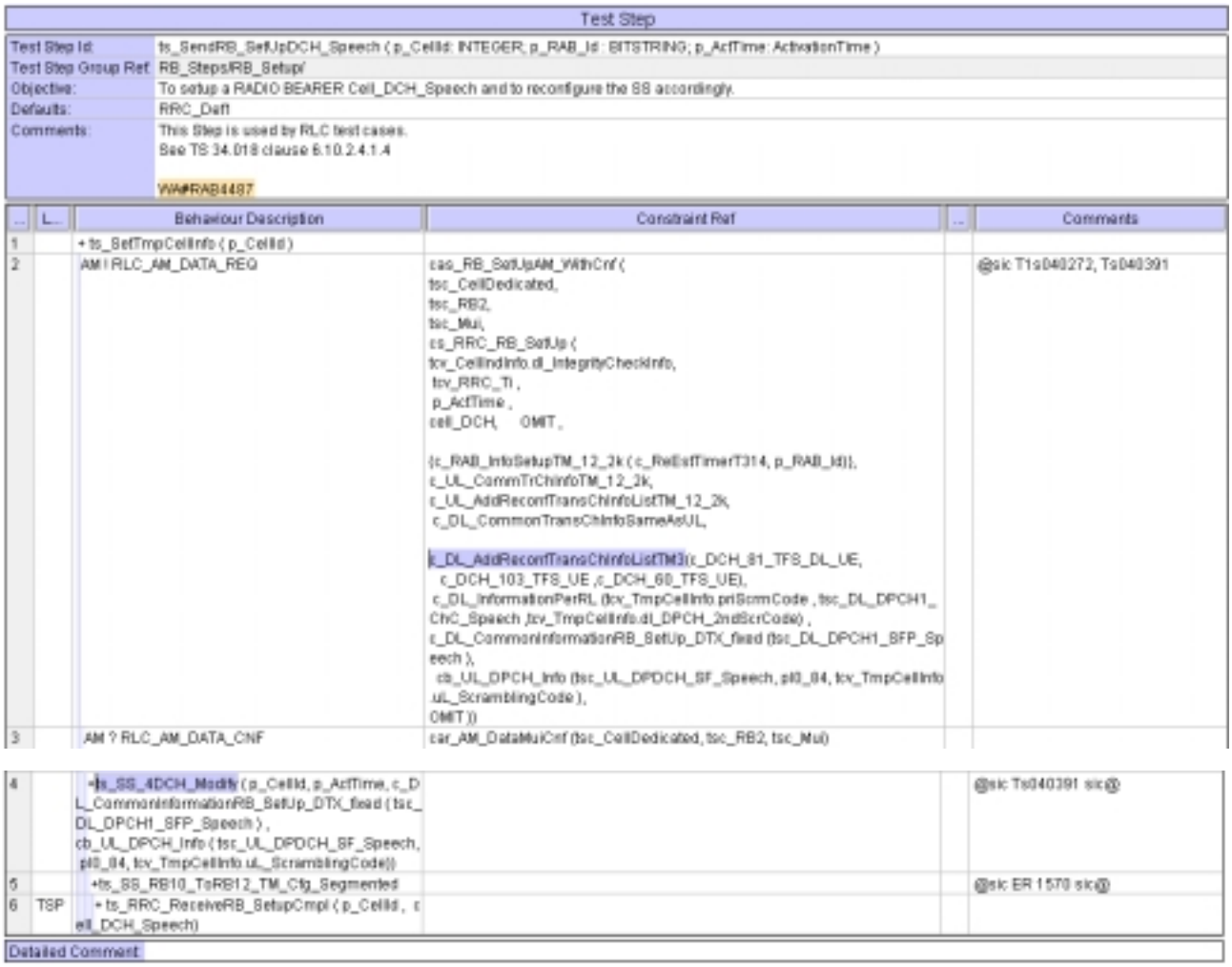
The ATS version used as basis was RAB_wk31.mp which is part of the iWD-TVB2003-01_D04wk31 release plus high priority CRs implemented. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.41:

WA#RAB4218, WA#RAB4328, WA#RAB4377, WA#RAB4383, WA#RAB4384, WA#RAB4387, WA#RAB4394, WA#RAB4397, WA#RAB4407, WA#RAB4418, WA#RAB4424, WA#RAB4461, WA#RAB4462, WA#RAB4475, WA#RAB4483 and WA#RAB4485.

4.2 ts_SendRB_SetUpDCH_Speech (WA#RAB4487)

Test step name	ts_SendRB_SetUpDCH_Speech
Reason for change	The RM attribute for DL DCH5 must have a 170 value. So these value must be corrected in the CS RAB bearer procedure.
Summary of change	In line 2 used "c_DL_AddReconfTransChInfoListTM3" instead of "c_DL_AddReconfTransChInfoListTM3_RM192" , and "ts_SS_4DCH_Modify" instead of "ts_SS_4DCH_Modify_1" in line 4.
Source of change	ETSI, Anite and R&S
Label	WA#RAB4487



Test Step

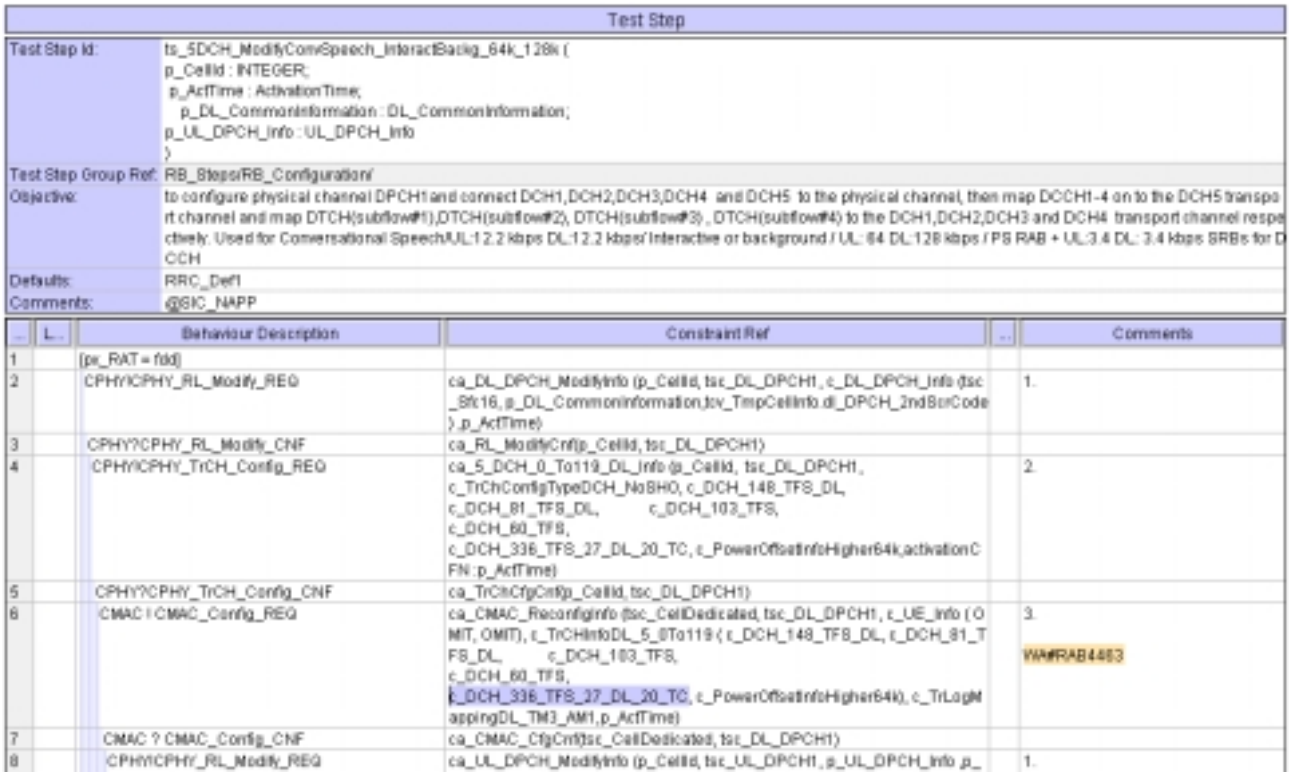
Test Step Id:	ts_SendRB_SetUpDCH_Speech (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	To setup a RADIO BEARER Cell_DCH_Speech and to reconfigure the SS accordingly.
Defaults:	RRC_Def1
Comments:	This Step is used by RLC test cases. See TS 34.018 clause 8.10.2.4.1.4 WA#RAB4497

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_SetUp (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI , p_ActTime , cell_DCH, OMIT , {c_RAB_InfoSetupTM_12_2k (c_ReEstTimerT314, p_RAB_Id)}, c_UL_CommTrChInfoTM_12_2k, c_UL_AddReconfTransChInfoListTM_12_2k, c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM3(c_DCH_81_TFS_DL_UE, c_DCH_103_TFS_UE ,c_DCH_60_TFS_UE), c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode , tsc_DL_DPCH1_ChC_Speech ,tcv_TmpCellInfo.dl_DPCH_2ndScrCode) , c_DL_CommonInformationRB_SetUp_DTX_flead (tsc_DL_DPCH1_SFP_Speech), cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84, tcv_TmpCellInfo.ul_ScramblingCode), OMIT))		@sic T1s040272, Ts040391
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		
4		+ts_SS_4DCH_Modify (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp_DTX_flead (tsc_DL_DPCH1_SFP_Speech) , cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84, tcv_TmpCellInfo.ul_ScramblingCode))			@sic Ts040391 sic@
5		+ts_SS_RB10_TsRB12_TM_Cfg_Segmented			@sic ER 1570 sic@
6	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId , cell_DCH_Speech)			

Detailed Comment:

4.3 ts_5DCH_ModifyConvSpeech_InteractBackg_64k_128k (WA#RAB4463)

Test step name	ts_5DCH_ModifyConvSpeech_InteractBackg_64k_128k
Reason for change	Wrong constraint used: the RM attribute and the “numberOfTbSizeList” are incorrect.
Summary of change	Used c_DCH_336_TFS_27_DL_20_TC instead of c_DCH_336_TFS_25_DL_20_TC
Source of change	New Change
Label	WA#RAB4463



Test Step

Test Step Id:	ts_5DCH_ModifyConvSpeech_InteractBackg_64k_128k (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configuration/
Objective:	to configure physical channel DPCH1 and connect DCH1,DCH2,DCH3,DCH4 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transpo rt channel and map DTCH(subflow#1),DTCH(subflow#2), DTCH(subflow#3) , DTCH(subflow#4) to the DCH1,DCH2,DCH3 and DCH4 transport channel respe ctively. Used for Conversational Speech/UL:12.2 kbps DL:12.2 kbps/ Interactive or background / UL: 64 DL:128 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for D CCH
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		[px_RAT = fdd]			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH1 , c_DL_DPCH_Info ,tsc _Sfc16, p_DL_CommonInformation,tcv_TmpCellInfo.dl_DPCH_2ndScrCode) ,p_ActTime)		1.
3		CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellId, tsc_DL_DPCH1)		
4		CPHY!CPHY_TrCH_Config_REQ	ca_5_DCH_0_To119_DL_Info (p_CellId, tsc_DL_DPCH1 , c_TrChConfigTypeDCH_NoBHO, c_DCH_148_TFS_DL, c_DCH_81_TFS_DL, c_DCH_103_TFS, c_DCH_60_TFS, c_DCH_336_TFS_27_DL_20_TC, c_PowerOffsetInfoHigher64k,activationC FN :p_ActTime)		2.
5		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf(p_CellId, tsc_DL_DPCH1)		
6		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfo (tsc_CellDedicated, tsc_DL_DPCH1 , c_UE_Info (O MIT, OMIT), c_TrCHInfoDL_5_0To119 (c_DCH_148_TFS_DL, c_DCH_81_T FS_DL, c_DCH_103_TFS, c_DCH_60_TFS, c_DCH_336_TFS_27_DL_20_TC, c_PowerOffsetInfoHigher64k), c_TrLogM appingDL_TM3_AM1,p_ActTime)		3. WA#RAB4483
7		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated, tsc_DL_DPCH1)		
8		CPHY!CPHY_RL_Modify_REQ	ca_UL_DPCH_ModifyInfo (p_CellId, tsc_UL_DPCH1 , p_UL_DPCH_Info ,p_		1.

4.4 c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)

Test step name	c_TrLogMappingDL_TM3_AM1
Reason for change	The MAC TFC reselection algorithm depends on the priority for every logical channel. In the subtests which involves RB20 and other RABs in TM mode (RB10, RB11 and RB12) the mac priority for RB20 must be higher than or RB10. In the RB20 (AM mode) acknowledge PDUs must be sent sometimes taking the place in the data message. For example If the transport format used is DL_TFC3 (3 blocks in RB20) when the ACK PDUs must be sent it takes one of the blocks so 2 data blocks plus 1 ACK PDU are sent instead of the 3 data PDUs. The remain data PDU will be sent the next tti but this is possible only if there is a suitable TF available and also it is has a higher priority than the rest of the data in other RABs. See 11.4 “Transport format combination selection in UE” in TS 25.321
Summary of change	Used a value of 6 instead of 8 for the IE “ mac_LogicalChannelPriority” for RB20
Source of change	New Change
Label	WA#RAB4448

ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingDL_TM3_AM1
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4448

Constraint Value

```
{
 uiconnectedTrCHList OMIT,
 diconnectedTrCHList {
```

```
    },
    rB_Identity tsc_RB12 }
 }},
 {trchid tsc_DL_DCH4,
  trCH_LogCHMappingList { { logicalChannel_Mapping dl_LogicalChannelMapping : {
     macHeaderManipulation normalMacHeader,
     dl_TransportChannelType dch,
     logicalChannelIdentity tsc_DL_DTCH4,
     logicalChannelType dTCH,
     rlc_SizeList configured: NULL,
     mac_LogicalChannelPriority 6
    },
    rB_Identity tsc_RB20 }
 }},
 { trchid tsc_DL_DCH5,
  trCH_LogCHMappingList
  {
   { logicalChannel_Mapping dl_LogicalChannelMapping : {
     macHeaderManipulation normalMacHeader,
```

4.5 ts_RB_SubTest_RAB_SRB_RB20, ts_RB_SubTest_RAB_SRB_RB10_RB20,… (WA#RAB4318)

Test step name	ts_RB_SubTest_RAB_SRB_RB20_Special, ts_RB_SubTest_RAB_SRB_RB10_RB20_Special, ts_RB_SubTest_RAB_SRB_RB10_RB11_RB20_Special and ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20
Reason for change	Wrong use of the timer to control the send of the measurement control during continuos data transmission: the SS have to check the returned data during this time.
Summary of change	With the current code PDUs from the UE are received but these are caught wrongly by the “otherwise” mechanism as they are not expected. Used for each Subtest step a step of the type “ts_ReceiveFirstSDUs_...” instead of the control timer (START and TIMEOUT): For “ts_RB_SubTest_RAB_SRB_RB20” used “ts_ReceiveFirstSDUs_RB20” (see point 4.12 WA#RAB4332) which allows to receive the first PDUs until control timer expires before sending the measurement control message. For “ts_RB_SubTest_RAB_SRB_RB10_RB11” used “ts_ReceiveFirstSDU_RB10_RB11”. This test step guarantees that at least one set of PDUs in RB10 and RB11 are received from the UE before sending the measurement control to the UE. For “ts_RB_SubTest_RAB_SRB_RB10_RB20” used “ts_ReceiveFirstSDU_RB10_RB20”. This test step guarantees that at least one set of PDUs in RB10 and RB20 are received from the UE before sending

the measurement control to the UE.

For “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB20” used “ts_ReceiveFirstSDU_RB10_RB11_RB20”. This test step guarantees that at least one set of PDUs in RB10, RB11 and RB20 are received from the UE before sending the measurement control to the UE.

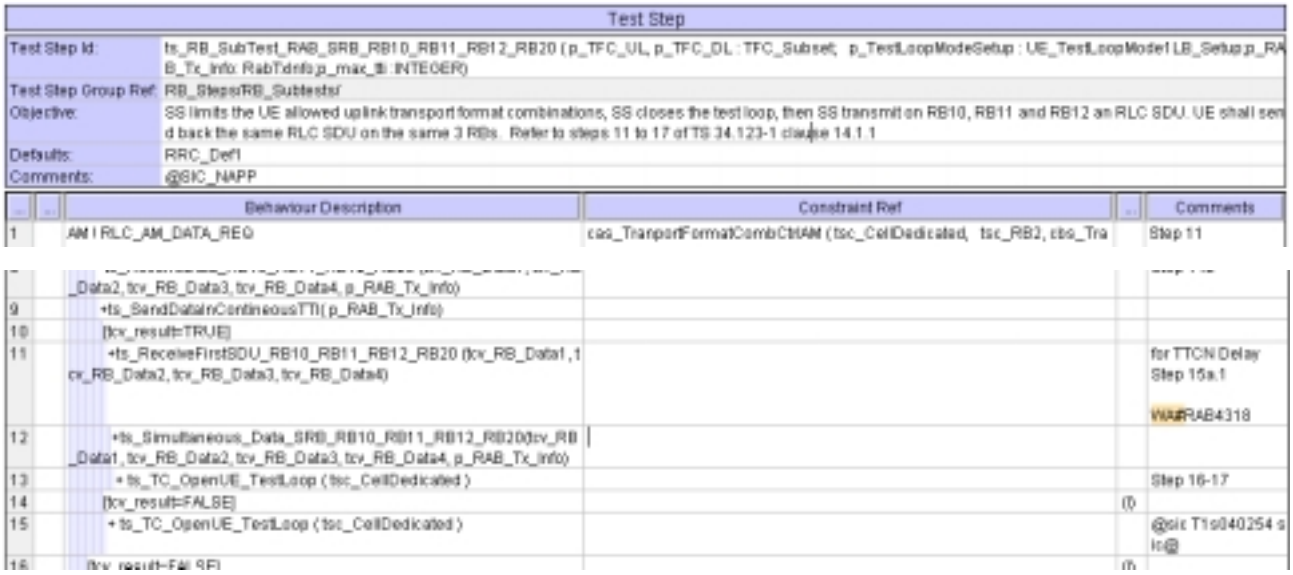
For “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB20_Special_1” used “ts_ReceiveFirstSDU_RB10_RB11_RB20”. This test step guarantees that at least one set of PDUs in RB10, RB11 and RB20 are received from the UE before sending the measurement control to the UE.

For “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20” used “ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20”. This test step guarantees that at least one set of PDUs in RB10, RB11, RB12 and RB20 are received from the UE before sending the measurement control to the UE.

Note: the picture shows only the change applied to “ts_RB_SubTest_RAB_SRB_RB20” but this modification is needed in all the mentioned test steps.

Source of change New Change

Label WA#RAB318



Test Step	
Test Step Id:	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (p_TFC_UL, p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1 LB_Setup,p_RA B_Tx_Info: RabTxInfo,p_max_tti: INTEGER)
Test Step Group Ref:	RB_StepsRB_Subtests/
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB10, RB11 and RB12 an RLC SDU. UE shall sen d back the same RLC SDU on the same 3 RBs. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

..	..	Behaviour Description	Constraint Ref	..	Comments
1		AM ! RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, cbs_Tra		Step 11
		_Data2, tcv_RB_Data3, tcv_RB_Data4, p_RAB_Tx_Info)			
9		+ts_SendDataInContineousTTI(p_RAB_Tx_Info)			
10		[tcv_result=TRUE]			
11		+ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (tcv_RB_Data1 ,t cv_RB_Data2, tcv_RB_Data3, tcv_RB_Data4)			for TTCN Delay Step 15a.1 WA#RAB4318
12		+ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20(tcv_RB _Data1, tcv_RB_Data2, tcv_RB_Data3, tcv_RB_Data4, p_RAB_Tx_Info)			
13		+ ts_TC_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
14		[tcv_result=FALSE]		(!)	
15		+ ts_TC_OpenUE_TestLoop (tsc_CellDedicated)			@sic T1s040254 s in@
16		[tcv_result=FALSE]		(!)	

4.6 ts_Simultaneous_Data_SRB_RB10_RB11_RB20 and ts_Simultaneous_Data_SRB_RB10_RB11_RB20_Special (WA#RAB4329)

Test step name	ts_Simultaneous_Data_SRB_RB10_RB11_RB20 and ts_Simultaneous_Data_SRB_RB10_RB11_RB20_Special
Reason for change	Due to WA#RAB4318 (see point 4.11) the initialisation of the variables tcv_count_RB10, tcv_count_RB11, tcv_count_RB12 and tcv_count_RB20 to 0 is not needed anymore as this variableas are updated in the previous "ts_ReceiveFirstSDU_..." test steps.
Summary of change	Removed line with the inisialisation of tcv_count_RB10, tcv_count_RB11, tcv_count_RB12 and tcv_count_RB20 to 0. Added line with the assignment "tcv_Res":=FALSE. Note: the picture shows only the change applied to "ts_Simultaneous_Data_SRB_RB10_RB11_RB20" but this modification is needed in all the mentioned test steps.
Source of change	New Change
Label	WA#RAB4329

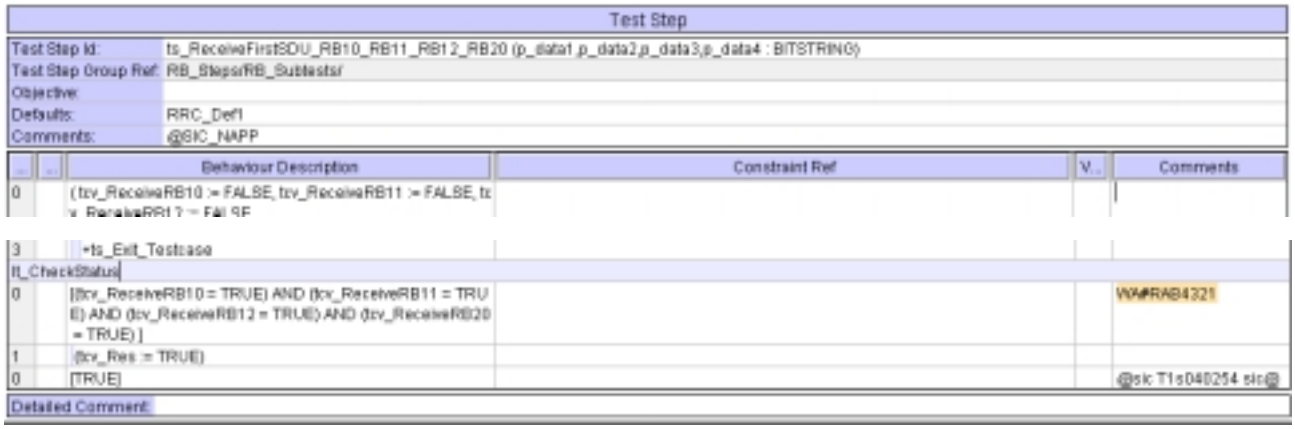
Test Step

Test Step Id:	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 (p_data1,p_data2,p_data3,p_data4 : BITSTRING; p_RAB_Tx_Info: RabTxInfo)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	RRC_Def1
Comments:	@GIC_NAPP

...	..	Behaviour Description	Constraint Ref	..	Comments
1		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlDefPeriodic (tcv_CellIndInfo.dl_IntegrityCheckInfo , tcv_RRC_Ti , tcv_TmpCellInfo.priScrmCode))		15a.2
2		(tcv_Res := FALSE)			WA#RAB4328
3		START t_Dly(1000)			@sic: T1:s040254 sic@
4	Get_Report	AM ? RLC_AM_DATA_IND	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportAny)	(P)	15b
5		CANCEL t_Dly			

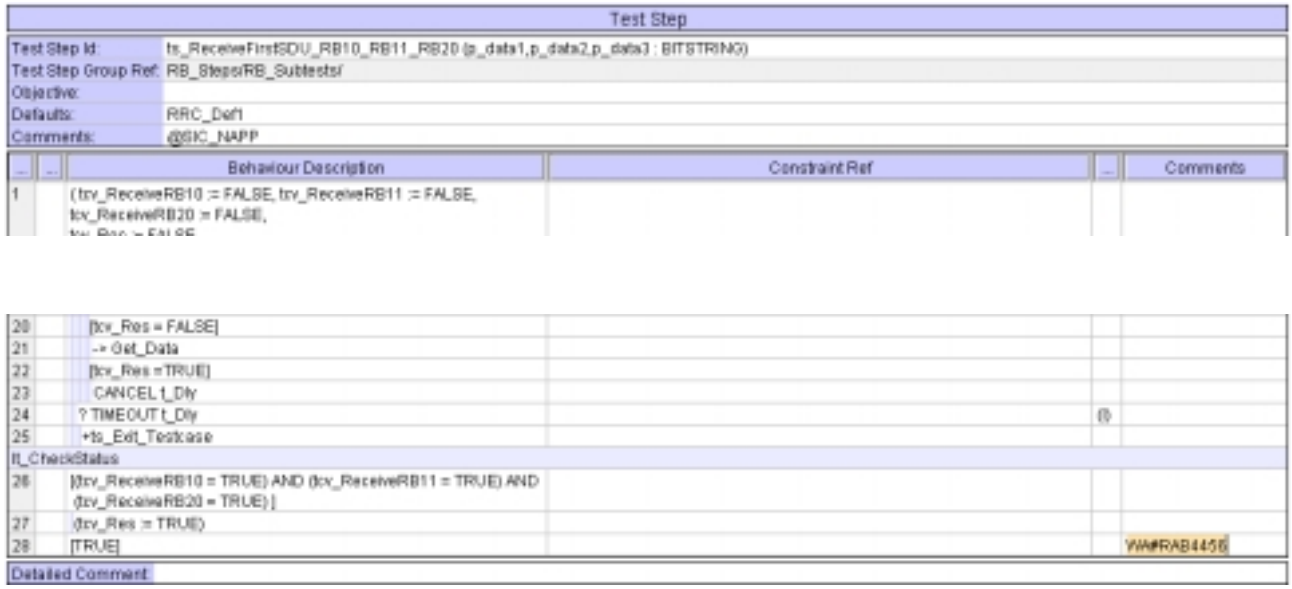
4.7 ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)

Test step name	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20
Reason for change	TTCN error, wrong control variable for RB20.
Summary of change	Used tcv_ReceiveRB20 instead of tcv_ReceiveRB12 for RB20.
Source of change	New Change
Label	WA#RAB4321



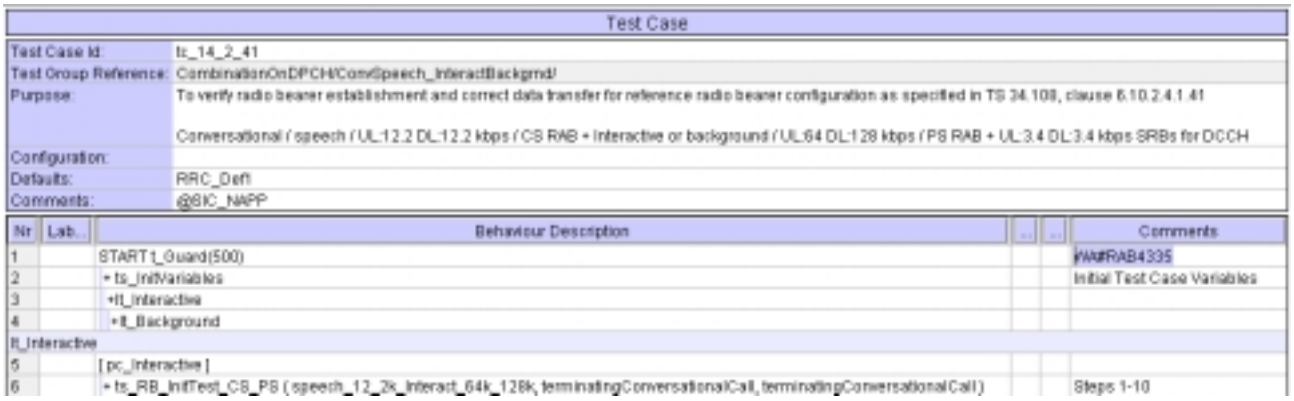
4.8 ts_ReceiveFirstSDU_RB10_RB11_RB20 (WA#RAB4456)

Test step name	ts_ReceiveFirstSDU_RB10_RB11_RB20
Reason for change	TTCN error: the local test step “lt_CheckStatus” must end in a [TRUE] statement otherwise the execution would be get stuck at this point.
Summary of change	Added line with statement [TRUE]
Source of change	New Change
Label	WA#RAB4456



4.9 tc_14_2_41 (WA#RAB4335)

Test step name	tc_14_2_41
Reason for change	Default t_Guard is not enough. The test case takes longer.
Summary of change	Used a value of 600 s for the t_Guard
Source of change	New Change
Label	WA#RAB4335



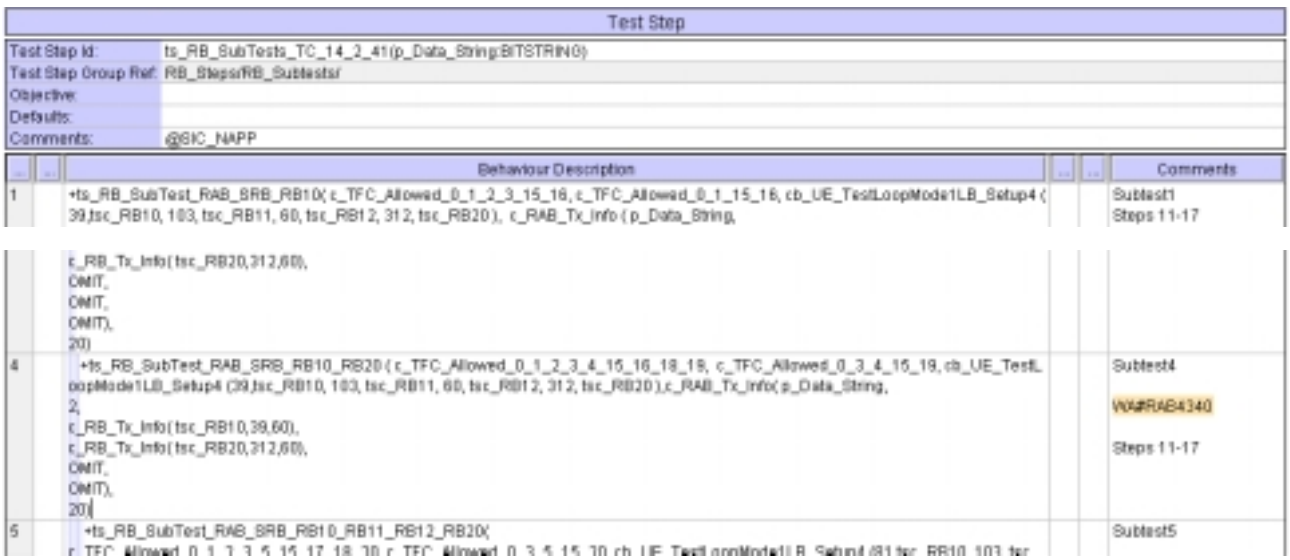
Test Case

Test Case Id:	tc_14_2_41
Test Group Reference:	CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
Purpose:	To verify radio bearer establishment and correct data transfer for reference radio bearer configuration as specified in TS 34.108, clause 6.10.2.4.1.41 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH
Configuration:	
Defaults:	RRC_Def!
Comments:	@SIC_NAPP

Nr	Lab...	Behaviour Description	..	..	Comments
1		START t_Guard(500)			WA#RAB4335
2		+ ts_InitVariables			Initial Test Case Variables
3		+tl_Interactive			
4		+tl_Background			
tl_Interactive					
5		[pc_Interactive]			
6		+ ts_RB_InitTest_CS_PS (speech_12_2k_Interact_64k_128k, terminatingConversationalCall, terminatingConversationalCall)			Steps 1-10

4.10 ts_RB_SubTests_TC_14_2_41 (WA#RAB4340)

Test step name	ts_RB_SubTests_TC_14_2_41
Reason for change	TTCN error: In subtest 4 data information for RB20 is expected as the second parameter of constraint “c_RAB_Tx_Info”, not the fourth.
Summary of change	Passed the data information for RB20 as the second parameter.
Source of change	New Change
Label	WA#RAB4340



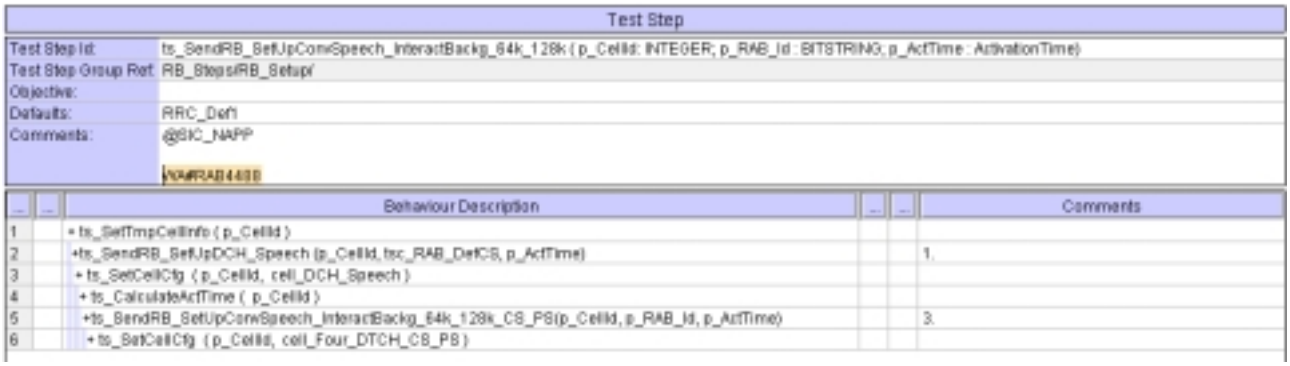
Test Step

Test Step Id:	ts_RB_SubTests_TC_14_2_41(p_Data_String:BITSTRING)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	
Comments:	@SIC_NAPP

..	..	Behaviour Description	..	..	Comments
1		+ts_RB_SubTest_RAB_SRB_RB10(c_TFC_Allowed_0_1_2_3_15_16, c_TFC_Allowed_0_1_15_16, cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20), c_RAB_Tx_Info (p_Data_String,			Subtest1 Steps 11-17
		c_RB_Tx_Info(tsc_RB20,312,60), OMIT, OMIT, OMIT), 20)			
4		+ts_RB_SubTest_RAB_SRB_RB10_RB20 (c_TFC_Allowed_0_1_2_3_4_15_16_18_19, c_TFC_Allowed_0_3_4_15_19, cb_UE_TestL oopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12, 312, tsc_RB20),c_RAB_Tx_Info(p_Data_String, 2, c_RB_Tx_Info(tsc_RB10,39,60), c_RB_Tx_Info(tsc_RB20,312,60), OMIT, OMIT), 20)			Subtest4 WA#RAB4340 Steps 11-17
5		+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20(			Subtest5

4.11 ts_SendRB_SetUpConvSpeech_InteractBackg_64k_128k (WA#RAB4488)

Test step name	ts_SendRB_SetUp_ConvUnknown_64k_InteractBackg_16k_64k_20
Reason for change	Inconsistency with approved CR 041172. The security procedure in steps B9 and B10 were move before the RAB setup procedure for PS (implemented in "ts_RB_InitTest_CS_PS") thus it has to be removed from this test step.
Summary of change	Removed line 5 cally "ts_RRC_Security" for PS (steps B9 and B10)
Source of change	New Change
Label	WA#RAB4488



Test Step

Test Step Id:	ts_SendRB_SetUpConvSpeech_InteractBackg_64k_128k (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime : ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def\
Comments:	@SIC_NAPP

		Behaviour Description			Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		+ts_SendRB_SetUpDCH_Speech (p_CellId, tsc_RAB_DefCS, p_ActTime)			1.
3		+ ts_SetCellCfg (p_CellId, cell_DCH_Speech)			
4		+ ts_CalculateActTime (p_CellId)			
5		+ts_SendRB_SetUpConvSpeech_InteractBackg_64k_128k_CS_PS(p_CellId, p_RAB_Id, p_ActTime)			3.
6		+ ts_SetCellCfg (p_CellId, cell_Four_DTCH_CS_PS)			

5 Branches executed in test case 14.2.41

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

6 Execution Log Files

6.1 Ericsson 3G UE U100

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

- **Execution log files 14_2_41_CS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_41-pics-pixit-Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040526**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** 434 ⌘ **rev** - ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.2.38c to RAB ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/08/2004
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 3 RAB test case 14.2.38c to the approved RAB ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 14.2.38c 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 **T1s040527**
01 Jan - 31 Dec 2004

Title: **Changes to test case 14.2.38c required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.38c 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_38c
Test Group:	RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
ATS Version:	iWD-TVB2003-01_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.2.38c

4.1 Introduction

This section describes the changes required to make test case 14.2.38c run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB_wk31.mp which is part of the iWD-TVB2001-03_D04wk31 release plus high priority CRs implemented. This ATS, provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.38c:

WA#RAB4377, WA#RAB4378, WA#RAB4383, WA#RAB4387, WA#RAB4394, WA#RAB4397, WA#RAB4407, WA#RAB4418, WA#RAB4424, WA#RAB4456, WA#RAB4461, WA#RAB4462, WA#RAB4463, WA#RAB4475, WA#RAB4483 and WA#RAB4485.

4.2 ts_SendRB_SetUpDCH_Speech (WA#RAB4487)

Test step name	ts_SendRB_SetUpDCH_Speech
Reason for change	The RM attribute for DL DCH5 must have a 170 value. So these value must be corrected in the CS RAB bearer procedure.
Summary of change	In line 2 used "c_DL_AddReconfTransChInfoListTM3" instead of "c_DL_AddReconfTransChInfoListTM3_RM192" , and "ts_SS_4DCH_Modify" instead of "ts_SS_4DCH_Modify_1" in line 4.
Source of change	ETSI, Anite and R&S
Label	WA#RAB4487

Test Step

Test Step Id:	ts_SendRB_SetUpDCH_Speech (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	To setup a RADIO BEARER Cell_DCH_Speech and to reconfigure the SS accordingly.
Defaults:	RRC_Def1
Comments:	This Step is used by RLC test cases. See TS 34.018 clause 8.10.2.4.1.4 WA#RAB4497

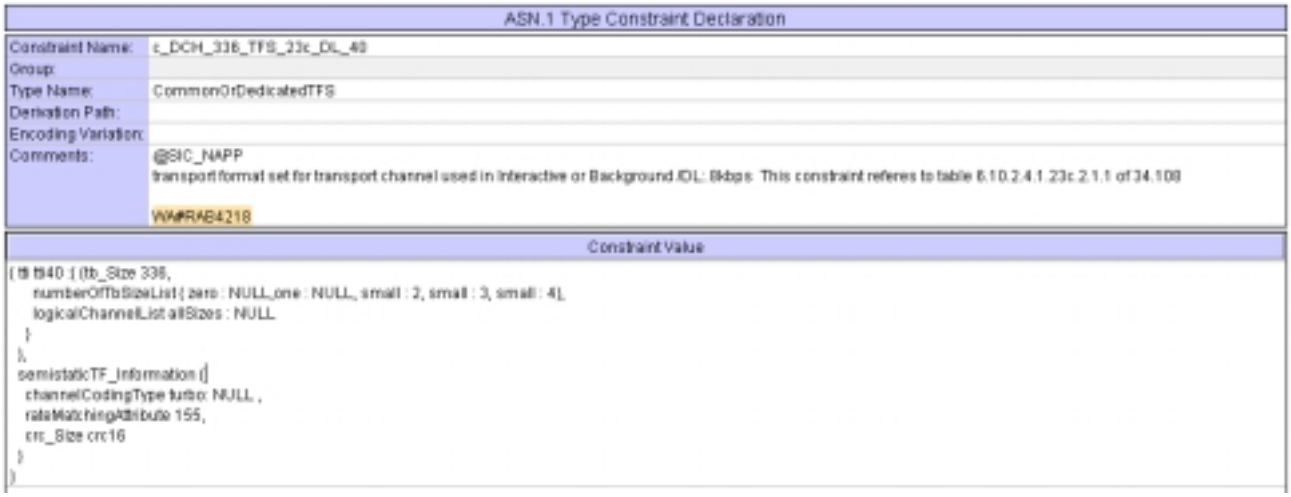
..	L..	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui, cs_RRC_RB_SetUp (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI , p_ActTime , cell_DCH, OMIT , {c_RAB_InfoSetupTM_12_2k (c_ReEstTimerT314, p_RAB_Id)}, c_UL_CommTrChInfoTM_12_2k, c_UL_AddReconfTransChInfoListTM_12_2k, c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM3(c_DCH_81_TFS_DL_UE, c_DCH_103_TFS_UE ,c_DCH_60_TFS_UE), c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode , tsc_DL_DPCH1_ChC_Speech ,tcv_TmpCellInfo.dl_DPCH_2ndScrCode) , c_DL_CommonInformationRB_SetUp_DTX_flead (tsc_DL_DPCH1_SFP_Speech), cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84, tcv_TmpCellInfo.ul_ScramblingCode), OMIT))		
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		

4		+ts_SS_4DCH_Modify (p_CellId, p_ActTime, c_DL_CommonInformationRB_SetUp_DTX_flead (tsc_DL_DPCH1_SFP_Speech) , cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84, tcv_TmpCellInfo.ul_ScramblingCode))			@sic Ts040391 sic@
5		+ts_SS_RB10_TsRB12_TM_Cfg_Segmented			@sic ER 1570 sic@
6	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId , cell_DCH_Speech)			

Detailed Comment:

4.3 c_DCH_336_TFS_23c_DL_40 and c_DCH_336_TFS_23c_UL_40 (WA#RAB4218)

Test step name	c_DCH_336_TFS_23c_DL_40 and c_DCH_336_TFS_23c_UL_40
Reason for change	Wrong channel coding type: it should be “turbo” coding instead of “convolutional 1/3”.
Summary of change	Corrected channel coding type.
Source of change	New Change
Label	WA#RAB4218

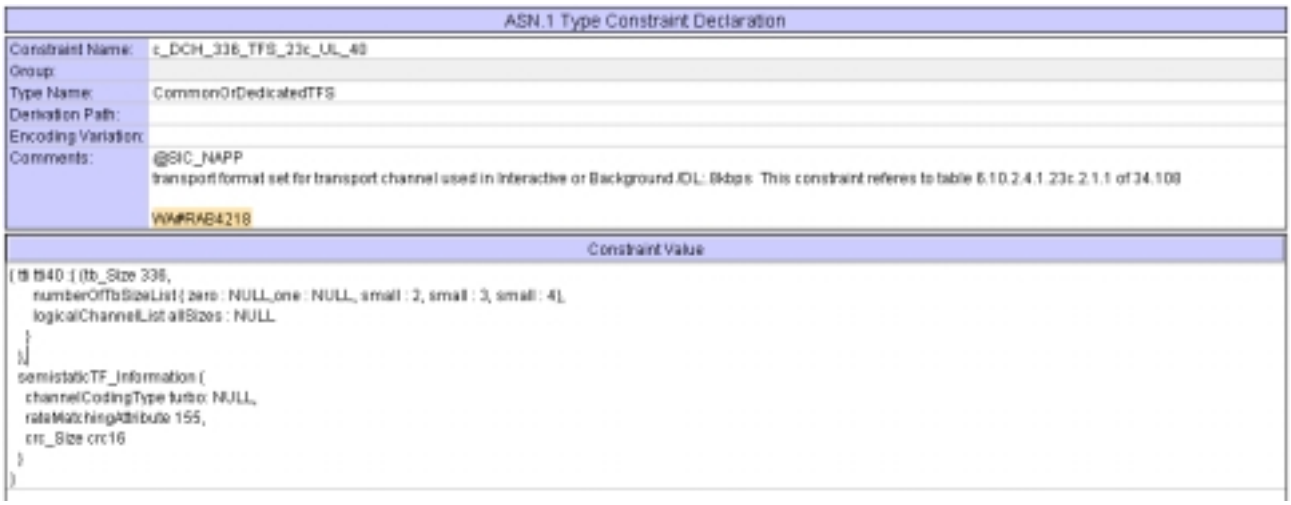


ASN.1 Type Constraint Declaration

Constraint Name:	c_DCH_336_TFS_23c_DL_40
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP transport format set for transport channel used in Interactive or Background /DL: 8kbps. This constraint referes to table 6.10.2.4.1.23c.2.1.1 of 34.108 WA#RAB4218

Constraint Value

```
{ tbTti40 { {tb_Size 336,
    numberOfTbSizeList { zero : NULL, one : NULL, small : 2, small : 3, small : 4},
    logicalChannelList allSizes : NULL
  }
},
semistaticTF_Information {
  channelCodingType turbo: NULL ,
  rateMatchingAttribute 155,
  crc_Size crc16
}
}
```



ASN.1 Type Constraint Declaration

Constraint Name:	c_DCH_336_TFS_23c_UL_40
Group:	
Type Name:	CommonOrDedicatedTFS
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP transport format set for transport channel used in Interactive or Background /DL: 8kbps. This constraint referes to table 6.10.2.4.1.23c.2.1.1 of 34.108 WA#RAB4218

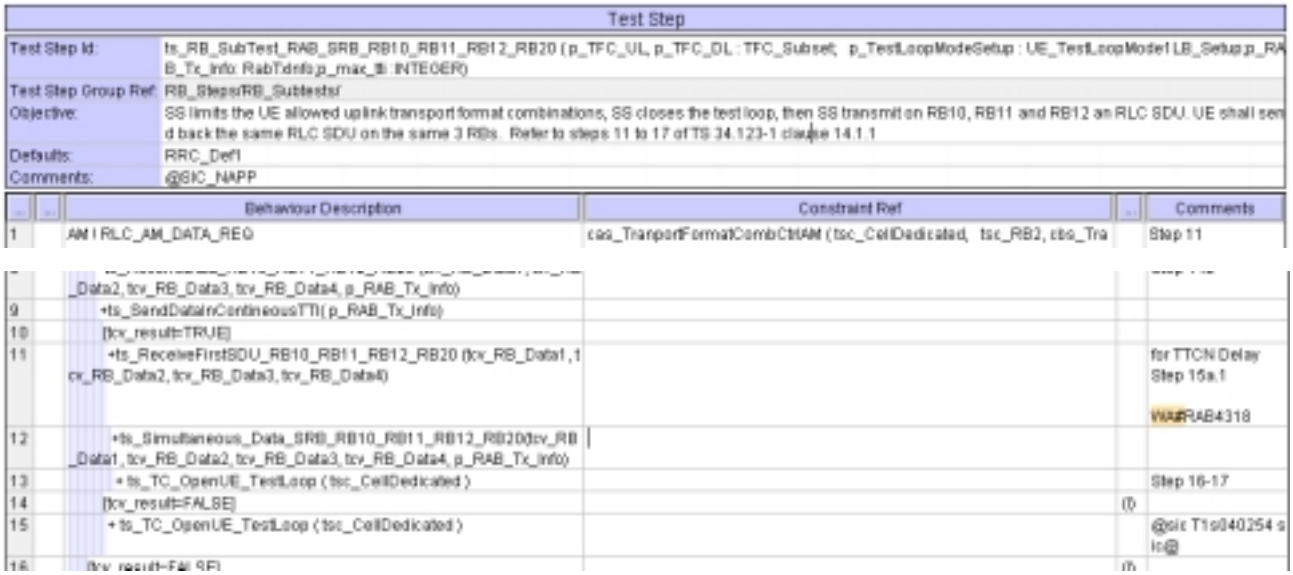
Constraint Value

```
{ tbTti40 { {tb_Size 336,
    numberOfTbSizeList { zero : NULL, one : NULL, small : 2, small : 3, small : 4},
    logicalChannelList allSizes : NULL
  }
},
semistaticTF_Information {
  channelCodingType turbo: NULL,
  rateMatchingAttribute 155,
  crc_Size crc16
}
}
```

4.4 ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (WA#RAB4318)

Test step name	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20
Reason for change	Wrong use of the timer to control, To send the measurement control during continuos data transmission: the SS has to check the returned data during this time. With the current code PDUs from the UE are received but these are caught wrongly by the “otherwise” mechanism as they are not expected.

Summary of change	Used for each Subtest step a step of the type “ts_ReceiveFirstSDUs_...” instead of the control timer (START and TIMEOUT): For “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20” used “ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20”. This test step guarantees that at least one set of PDUs in RB10, RB11, RB12 and RB20 are received from the UE before sending the measurement control to the UE.
Source of change	New Change
Label	WA#RAB318



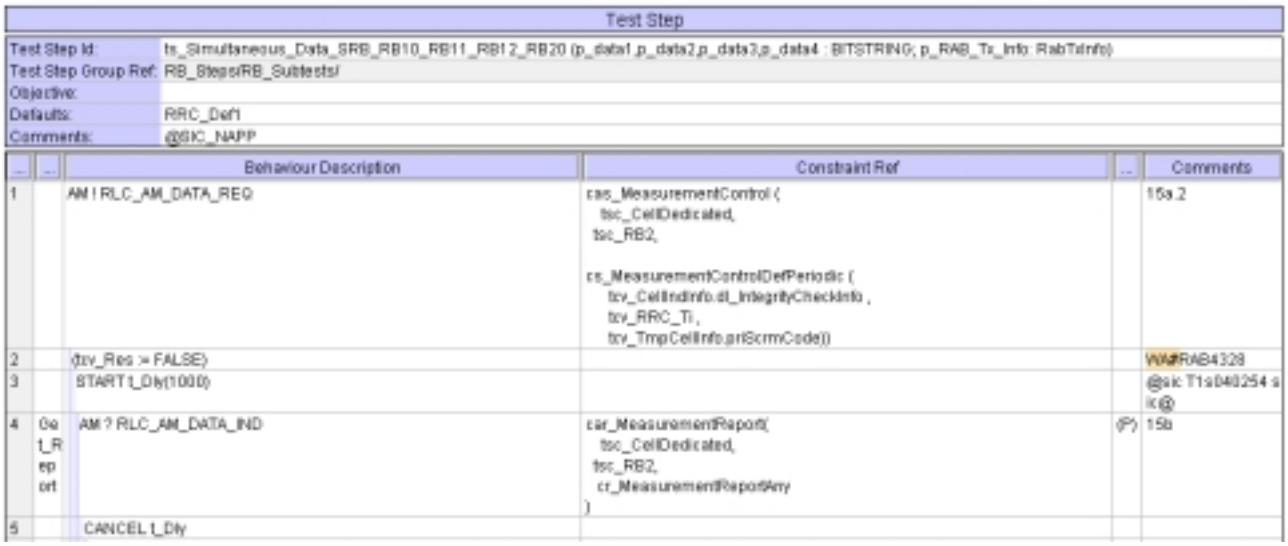
Test Step

Test Step Id:	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (p_TFC_UL, p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1.LB_Setup,p_RAB_Tx_Info: RabTxInfo,p_mac_lti :INTEGER)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB10, RB11 and RB12 an RLC SDU. UE shall send back the same RLC SDU on the same 3 RBs. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

		Behaviour Description	Constraint Ref		Comments
1		AM ! RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, cbs_Tra		Step 11
		_Data2,tcv_RB_Data3,tcv_RB_Data4,p_RAB_Tx_Info)			
9		+ts_SendDataInContinuousTTI(p_RAB_Tx_Info)			
10		[tcv_result=TRUE]			
11		+ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (tcv_RB_Data1,tcv_RB_Data2,tcv_RB_Data3,tcv_RB_Data4)			for TTCN Delay Step 15a.1 WA#RAB4318
12		+ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20(tcv_RB_Data1,tcv_RB_Data2,tcv_RB_Data3,tcv_RB_Data4,p_RAB_Tx_Info)			
13		+ts_TC_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
14		[tcv_result=FALSE]		(I)	
15		+ts_TC_OpenUE_TestLoop (tsc_CellDedicated)			@sic T1s040254 sic@
16		[tcv_result=FALSE]		(I)	

4.5 ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 (WA#RAB4328)

Test step name	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20.
Reason for change	Due to WA#RAB4318 (see point 4.4) it is necessary to initialise the variable “tcv_Res” to FALSE again (as the “ts_ReceiveFirstSDU_...” modify its value to TRUE).
Summary of change	Added line with the assignment “tcv_Res”:=FALSE.
Source of change	New Change
Label	WA#RAB4328



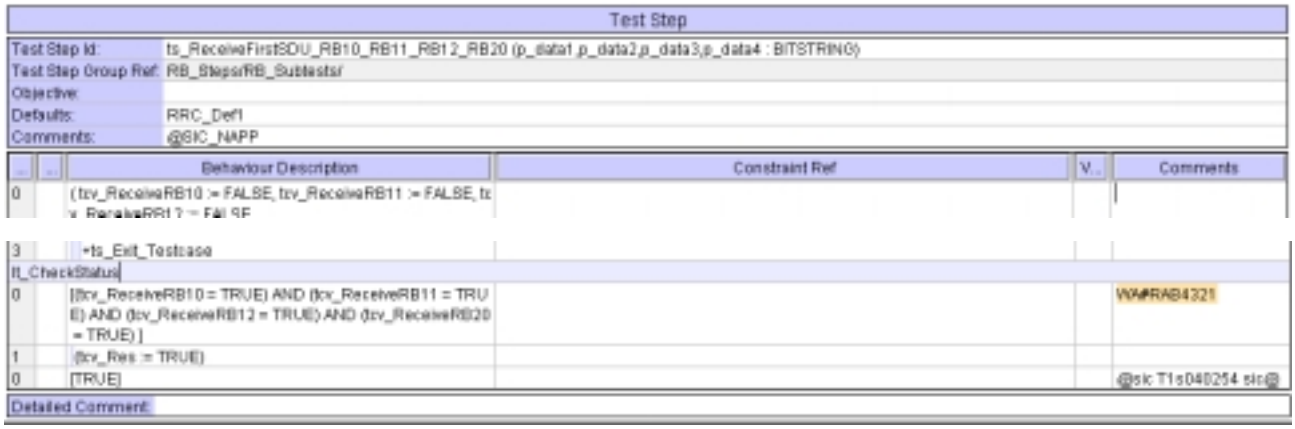
Test Step

Test Step Id:	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 (p_data1,p_data2,p_data3,p_data4 : BITSTRING; p_RAB_Tx_Info: RabTxInfo)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

..	..	Behaviour Description	Constraint Ref	..	Comments
1		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlDefPeriodic (tcv_CellIndInfo.dl_IntegrityCheckInfo , tcv_RRC_Ti , tcv_TmpCellInfo.priScrmCode))		15a.2
2		(tcv_Res := FALSE)			WA#RAB4328
3		START t_Dly(1000)			@sic T1s040254 sic@
4	Get_Report	AM ? RLC_AM_DATA_IND	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportAny)	(P)	15b
5		CANCEL t_Dly			

4.6 ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)

Test step name	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20
Reason for change	TTCN error, wrong control variable for RB20.
Summary of change	Used tcv_ReceiveRB20 instead of tcv_ReceiveRB12 for RB20.
Source of change	New Change
Label	WA#RAB4321



Test Step

Test Step Id:	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (p_data1,p_data2,p_data3,p_data4 : BITSTRING)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

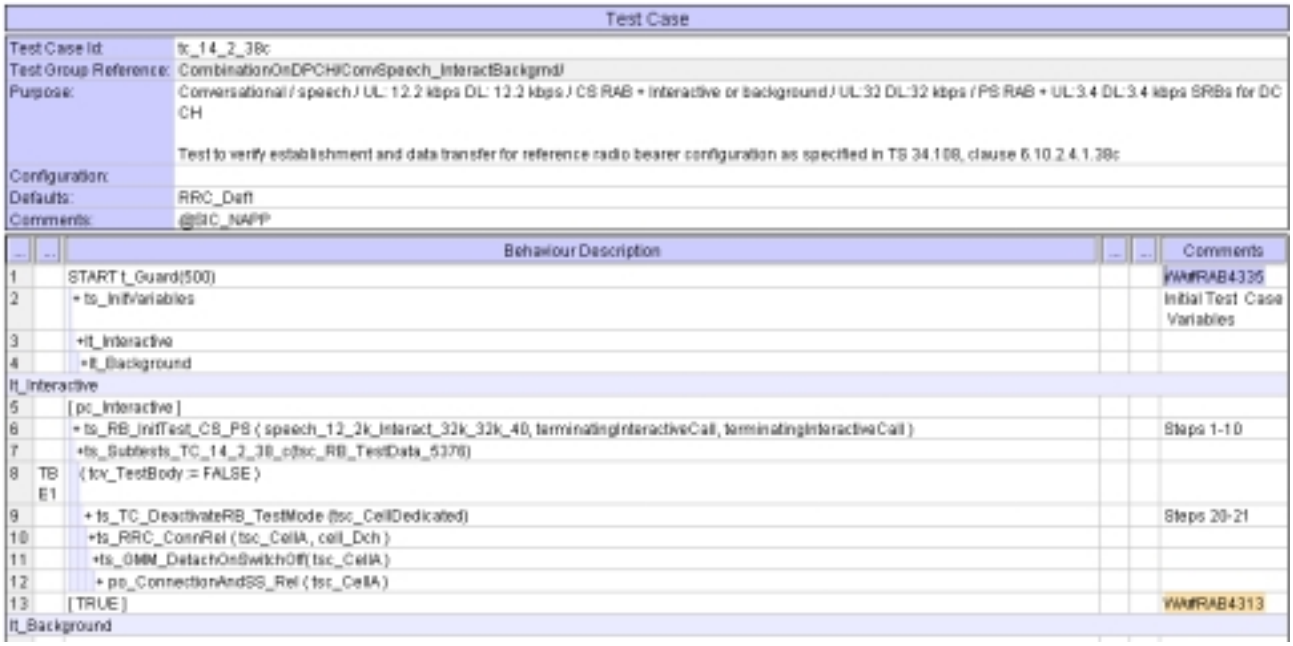
..	..	Behaviour Description	Constraint Ref	V..	Comments
0		(tcv_ReceiveRB10 := FALSE, tcv_ReceiveRB11 := FALSE, tc v_ReceiveRB12 := FALSE			
3		ts_Exit_Testcase			
lt_CheckStatus					
0		[(tcv_ReceiveRB10 = TRUE) AND (tcv_ReceiveRB11 = TRUE) AND (tcv_ReceiveRB12 = TRUE) AND (tcv_ReceiveRB20 = TRUE)]			WA#RAB4321
1		(tcv_Res := TRUE)			
0		[TRUE]			@sic T1s040254 sic@

Detailed Comment:

4.7 tc_14_2_38c (WA#RAB4313 and WA#RAB4335)

Test step name	tc_14_2_38c
Reason for change	The “interactive” part must be closed with a TRUE statement otherwise the “background” part can not be executed alone.
Summary of change	T_Guard is too tight. A value of 500s is proposed. Added line with [TRUE] statement closing the background part.

	Used a value of 500s for T_Guard timer.
Source of change	New Change
Label	WA#RAB4313
	WA#RAB4335



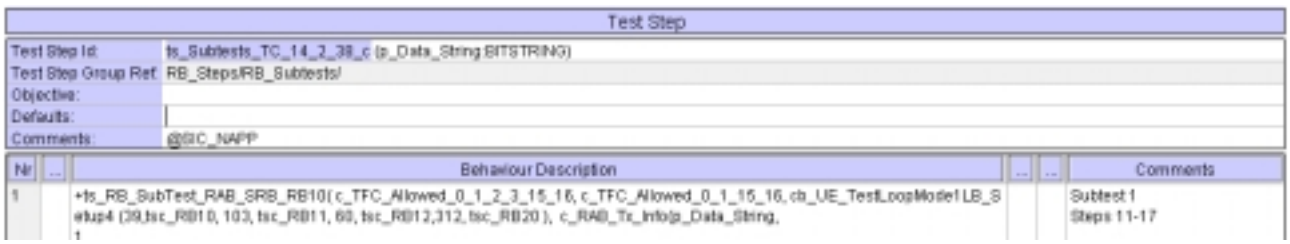
Test Case

Test Case Id:	tc_14_2_38c
Test Group Reference:	CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
Purpose:	Conversational / speech / UL: 12.2 kbps DL: 12.2 kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH Test to verify establishment and data transfer for reference radio bearer configuration as specified in TS 34.108, clause 6.10.2.4.1.38c
Configuration:	
Defaults:	RRC_Daft
Comments:	@@C_NAPP

..	..	Behaviour Description	..	..	Comments
1		START t_Guard(500)			WA#RAB4335
2		+ ts_InitVariables			Initial Test Case Variables
3		+lt_Interactive			
4		+lt_Background			
lt_Interactive					
5		[pc_Interactive]			
6		+ ts_RB_InitTest_CS_PS (speech_12_2k_Interact_32k_32k_40, terminatingInteractiveCall, terminatingInteractiveCall)			Steps 1-10
7		+ts_Subtests_TC_14_2_38_c(tsc_RB_TestData_5376)			
8	TB E1	(tcv_TestBody := FALSE)			
9		+ ts_TC_DeactivateRB_TestMode (tsc_CellDedicated)			Steps 20-21
10		+ts_RRC_ConnRel (tsc_CellA, cell_Dch)			
11		+ts_OMM_DetachOnSwitchOff(tsc_CellA)			
12		+ ps_ConnectionAndSS_Rel (tsc_CellA)			
13		[TRUE]			WA#RAB4313
lt_Background					

4.8 ts_Subtests_TC_14_2_38_c (WA#RAB4356)

Test step name	ts_Subtests_TC_14_2_38_c
Reason for change	For subtests 6 and 10 the information to configure the test loop back is missing (omitted).
Summary of change	Used “cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12,632, tsc_RB20)” and “cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12,952, tsc_RB20)” respectively for subtests 6 and 10 instead of OMIT as parameter for the test loop back information.
Source of change	New Change
Label	WA#RAB4356



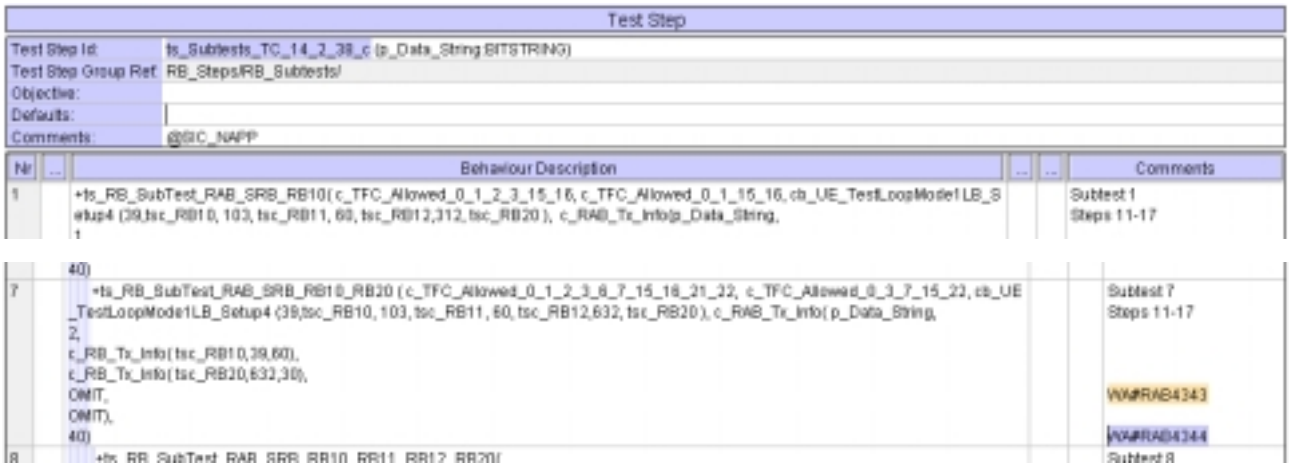
Test Step

Test Step Id:	ts_Subtests_TC_14_2_38_c (p_Data_String BITSTRING)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	
Comments:	@@C_NAPP

Nr	..	Behaviour Description	..	..	Comments
1		+ts_RB_SubTest_RAB_SRB_RB10(c_TFC_Allowed_0_1_2_3_15_16, c_TFC_Allowed_0_1_15_16, cb_UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12,312, tsc_RB20), c_RAB_Tx_Info(p_Data_String, 1			Subtest 1 Steps 11-17

4.9 ts_Subtests_TC_14_2_38_c (WA#RAB4343 and WA#RAB4344)

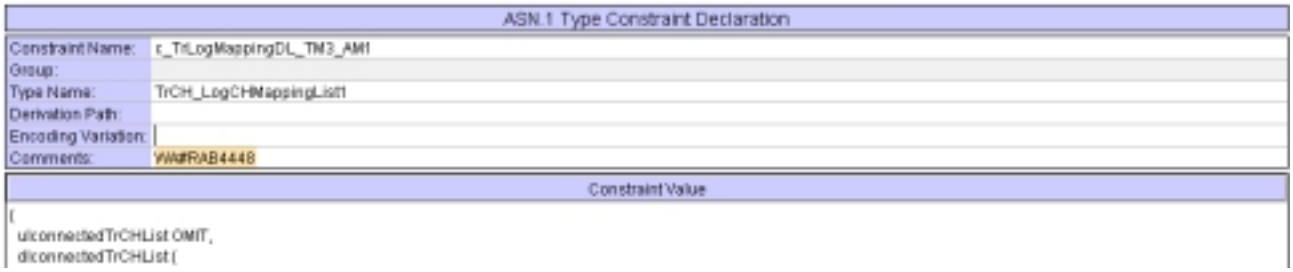
Test step name	ts_Subtests_TC_14_2_38_c
Reason for change	TTCN errors for subtest 7: wrong number of Data SDUs to be looped back for RB20 (it should be 30 instead of 60) and wrong maximum TTI value (it should be 40 ms not 20).
Summary of change	Corrected the number of Data SDUs to be looped back for RB20 (WA#RAB4343) and the maximum TTI value (WA#RAB344).
Source of change	New Change
Label	WA#RAB4343 and WA#RAB4344



4.10 c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)

Test step name	c_TrLogMappingDL_TM3_AM1
Reason for change	The MAC TFC reselection algorithm depends on the priority for every logical channel. In the subtests which involves RB20 and other RABs in TM mode (RB10, RB11 and RB12) the mac priority for RB20 must be higher than or RB10. In the RB20 (AM mode) acknowledge PDUs must be sent sometimes taking

	the place in the data message. For example If the transport format used is DL_TFC3 (3 blocks in RB20) when the ACK PDUs must be sent it takes one of the blocks so 2 data blocks plus 1 ACK PDU are sent instead of the 3 data PDUs. The remain data PDU will be sent the next tti but this is possible only if there is a suitable TF available and also it is has a higher priority than the rest of the data in other RABs. See 11.4 “Transport format combination selection in UE” in TS 25.321
Summary of change	Used a value of 6 instead of 8 for the IE “ mac_LogicalChannelPriority” for RB20
Source of change	New Change
Label	WA#RAB4448



ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingDL_TM3_AM1
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4448

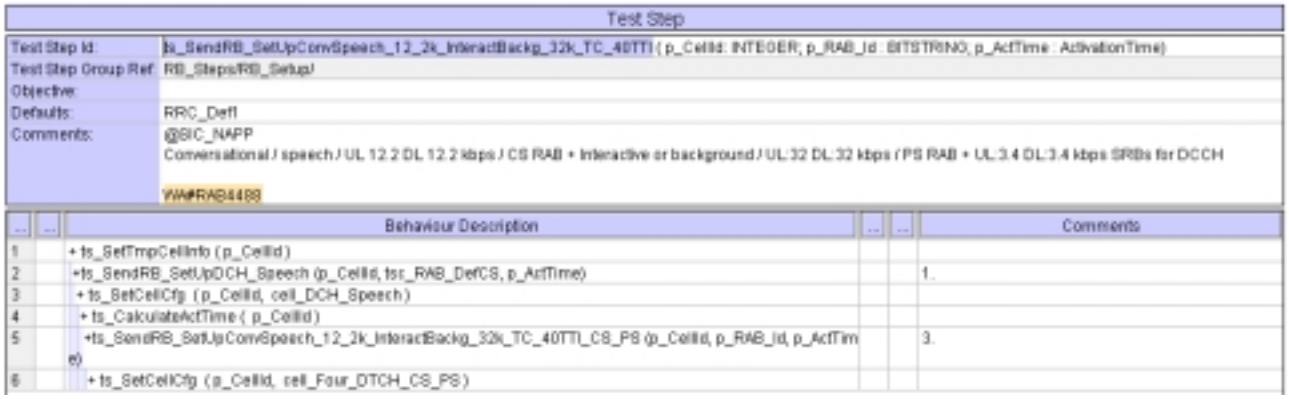
Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 dlconnectedTrCHList {
```

```
    },
    rB_Identity tsc_RB12 )
 }},
 {trchid tsc_DL_DCH4,
  trCH_LogCHMappingList { { logicalChannel_Mapping dl_LogicalChannelMapping : {
     macHeaderManipulation normalMacHeader,
     dl_TransportChannelType dch,
     logicalChannelIdentity tsc_DL_DTCH4,
     logicalChannelType dTCH,
     rlc_SizeList configured: NULL,
     mac_LogicalChannelPriority 6
    },
    rB_Identity tsc_RB20 )
 }},
 { trchid tsc_DL_DCH5,
  trCH_LogCHMappingList
  {
   { logicalChannel_Mapping dl_LogicalChannelMapping : {
     macHeaderManipulation normalMacHeader,
```

4.11 ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_32k_TC_40TTI (WA#RAB4488)

Test step name	ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_32k_TC_40TTI
Reason for change	Inconsistency with approved CR T1-041172. The security procedure in steps B9 and B10 were move before the RAB setup procedure for PS (implemented in “ts_RB_InitTest_CS_PS”) thus it has to be removed from this test step.
Summary of change	Removed line 5 cally “ts_RRC_Security” for PS (steps B9 and B10)
Source of change	New Change
Label	WA#RAB4488



Test Step

Test Step Id:	ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_32k_TC_40TTI (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime : ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH WA#RAB4488

..	..	Behaviour Description	..	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		+ts_SendRB_SetUpDCH_Speech (p_CellId, tsr_RAB_DefCS, p_ActTime)			1.
3		+ ts_SetCellCfg (p_CellId, cell_DCH_Speech)			
4		+ ts_CalculateActTime (p_CellId)			
5		+ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_32k_TC_40TTI_CS_PS (p_CellId, p_RAB_Id, p_ActTim e)			3.
6		+ ts_SetCellCfg (p_CellId, cell_Four_DTCH_CS_PS)			

5 Branches executed in test case 14.2.38c

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

6 Execution Log Files

6.1 Ericsson 3G UE U100

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

- **Execution log files 14_2_38c_CS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_38c-pics-pixit-Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040528**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** 435 ⌘ **rev** - ⌘ Current version: **3.6.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.2.38f to RAB ATS V3.6.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/08/2004
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 3 RAB test case 14.2.38f to the approved RAB ATS V3.6.0
Summary of change:	⌘	This document lists all changes applied to test case 14.2.38f 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 **T1s040529**
01 Jan - 31 Dec 2004

Title: **Changes to test case 14.2.38f required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.38f 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_38f
Test Group:	RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
ATS Version:	iWD-TVB2003-01_D04wk31 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.2.38f

4.1 Introduction

This section describes the changes required to make test case 14.2.38f run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB_wk31.mp which is part of the iWD-TVB2003-01_D04wk31 release plus high priority CRs implemented. This ATS, provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.38f:

WA#RAB4218, WA#RAB4377, WA#RAB4378, WA#RAB4383, WA#RAB4384, WA#RAB4394, WA#RAB4397, WA#RAB4407, WA#RAB4418, WA#RAB4424, WA#RAB4461, WA#RAB4462, WA#RAB4463, WA#RAB4475, WA#RAB4483 and WA#RAB4485.

4.2 ts_SendRB_SetUpSpeech_12_2k_AMR, ts_4DCH_ModifySpeech12_2k_AMR and c_TrChInfoDL_12_2k_AMR (WA#RAB4487)

Test step name	ts_SendRB_SetUpSpeech_12_2k_AMR, ts_4DCH_ModifySpeech12_2k_AMR and c_TrChInfoDL_12_2k_AMR
Reason for change	The RM attribute for DL DCH5 must have a 170 value. So these value must be corrected in the CS RAB bearer procedure.
Summary of change	For "ts_SendRB_SetUpSpeech_12_2k_AMR ", in line 2 used "c_DL_AddReconfTransChInfoListTM3" instead of "c_DL_AddReconfTransChInfoListTM3_RM192".

For “ts_4DCH_ModifySpeech12_2k_AMR” in line 5 used “c_DCH_148_TFS_DL” instead of “c_DCH_148_TFS_DL_RM192”.

For “c_TrChInfoDL_12_2k_AMR” used “c_DCH_148_TFS_DL” instead of “c_DCH_148_TFS_DL_RM192”

Source of change ETSI, Anite and R&S

Label WA#RAB4487

Test Step

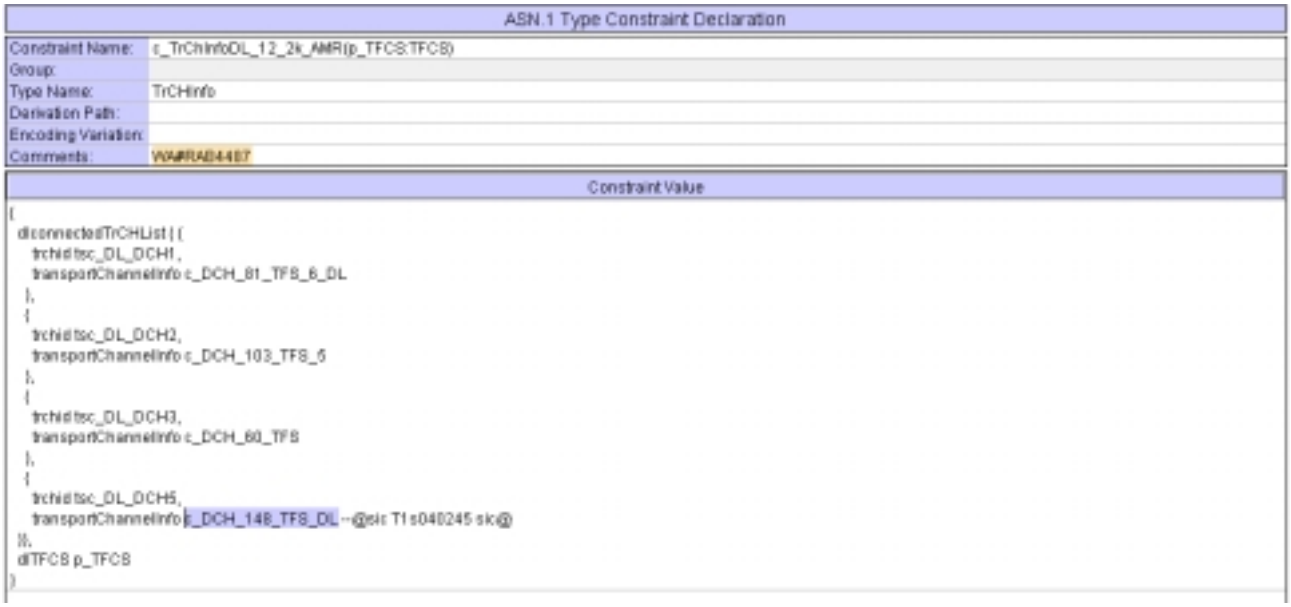
Test Step Id:	ts_SendRB_SetUpSpeech_12_2k_AMR (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime : ActivationTime)
Test Step Group Ref:	RB_Steps\RB_Setup'
Objective:	To setup a RADIO BEARER for SPEECH 10.2k and to reconfigure the SS accordingly.
Defaults:	RRC_Def1
Comments:	WA#RAB4487

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mul, cs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, p_ActTime, cell_DCH, OMIT, c_RAB_InfoListTM3(c_RbEstTimerT314, p_RAB_Id), c_UL_CommTrChInfoTM_12_2k_AMR, c_UL_AddReconfTransChInfoListTM_3 (c_DCH_81_TFS_UE_6, c_DCH_103_TFS_UE_5, c_DCH_60_TFS_UE, c_DCH_148_TFS_UE_UL), c_DL_CommonTransChInfoSameAsUL, c_DL_AddReconfTransChInfoListTM3 (c_DCH_81_TFS_UE_6_DL, c_DCH_103_TFS_UE_5, c_DCH_60_TFS_UE), c_DL_InformationPerRL(tcv_TmpCellInfo.priScrmCode, tsc_Sfc128, tcv_TmpCellInfo.dl_DPCH_2ndScrCode), c_DL_CommonInformationRB_SetUp_DTX_fixed (tsc_Sfd128_4), cb_UL_DPCH_Info (tsc_Sf64, pl0_84, tcv_TmpCellInfo.ul_ScramblingCode) , OMIT))		tcv_SpridFct + tcv_PuncLimit => values ? same for uplink and downlink ? FreqInfo ? @sic T1s040245,Ts040391 sic@ @sic RASH ER1961 sic@
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		

Test Step

Test Step Id:	ts_4DCH_ModifySpeech12_2k_AMR (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps\RB_Configurations'
Objective:	to reconfigure physical channel DPCH1and connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map DTCH(subflow#1), DTCH(subflow#2), DTCH(subflow#3) to the DCH1, DCH2, DCH3 transport channel respectively. Used for 10.2 kbps speech.
Defaults:	InitOtherwiseFail
Comments:	WA#RAB4487

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		[px_RAT = fdd]			
3		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH1, cb_DL_DPCH_AMR (tsc_Sfc128, p_DL_CommonInformation) ,p_ActTime)		1.
4		CPHY!CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellId, tsc_DL_DPCH1)		
5		CPHY!CPHY_TrCH_Config_REQ	ca_4_DCH_102_DL_Info (p_CellId, tsc_DL_DPCH1, c_TrChConfigType.DCH_NoSHO, c_DCH_81_TFS_6_DL, c_DCH_103_TFS_5, c_DCH_60_TFS, c_DCH_148_TFS_DL, c_TFCS_Cmpl0_1_8_15_22_59_60_61_68_75_82_119_Tx(c_PowerOffsetInfoBelow64k),p_ActTime)		2. @sic T1s040245 sic@ @sic RASH ER1961 sic@
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_12_2k_AMR(c_TFCS_Cmpl0_1_8_15_22_59_60_61_68_75_82_119_Tx (c_PowerOffsetInfoBelow64k)), c_TrLogMappingDL_4DCCH_3DTCH,p_ActTime)		3. @sic T1s040245 sic@
8		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated, tsc_DL_DPCH1)		



ASN.1 Type Constraint Declaration

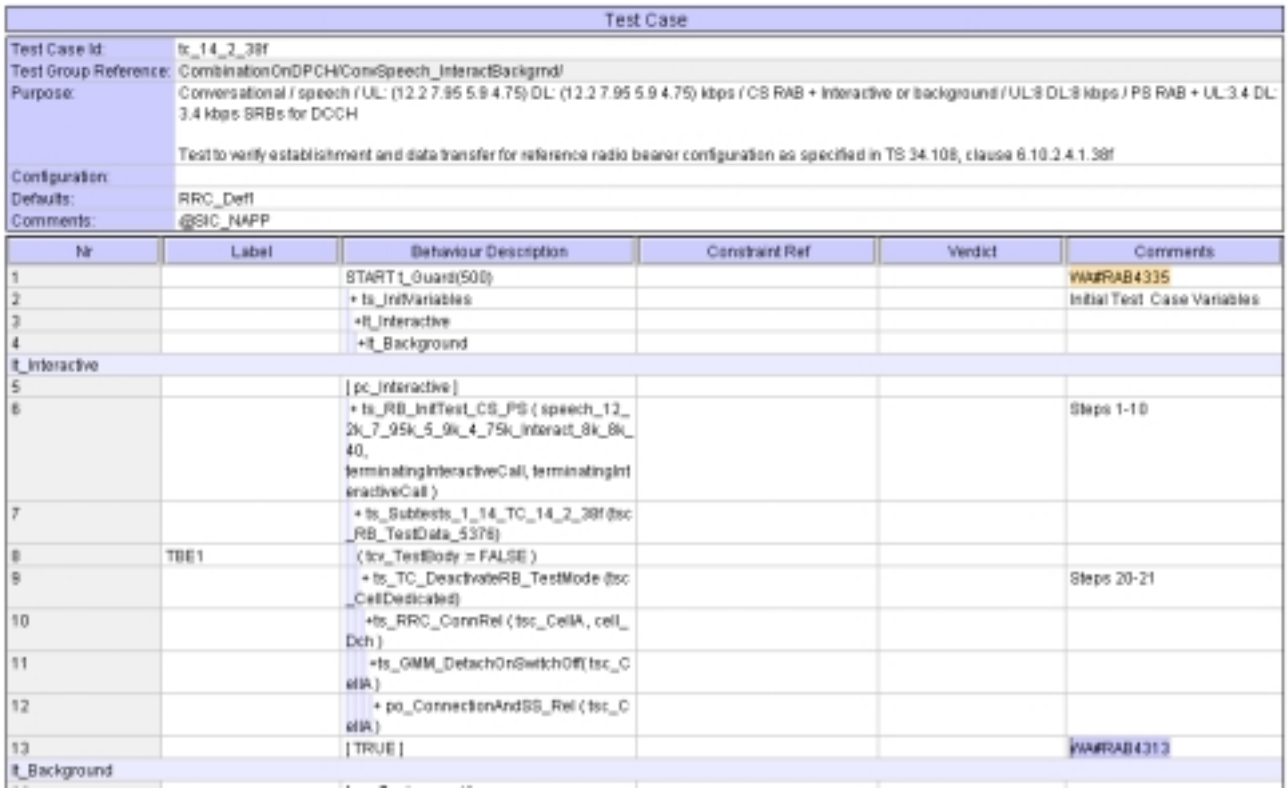
Constraint Name:	c_TrChInfoDL_12_2k_AMR(p_TFCS:TFCS)
Group:	
Type Name:	TrCHInfo
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4487

Constraint Value

```
{
 dlconnectedTrCHList {{
   trchidtsc_DL_DCH1,
   transportChannelInfo c_DCH_81_TFS_6_DL
  },
  {
   trchidtsc_DL_DCH2,
   transportChannelInfo c_DCH_103_TFS_5
  },
  {
   trchidtsc_DL_DCH3,
   transportChannelInfo c_DCH_60_TFS
  },
  {
   trchidtsc_DL_DCH5,
   transportChannelInfo c_DCH_148_TFS_DL --@src T1s040245 sk@
 }},
 dlTFCS p_TFCS
}
```

4.3 tc_14_2_38f (WA#RAB4313 and WA#RAB4335)

Test step name	tc_14_2_38f
Reason for change	The “interactive” part must be closed with a TRUE statement otherwise the “background” part can not be executed alone.
Summary of change	T_Guard is too tight. A value of 500s is proposed. Added line with [TRUE] statement closing the background part. Used a value of 500s for T_Guard timer.
Source of change	New Change
Label	WA#RAB4313 WA#RAB4335



Test Case

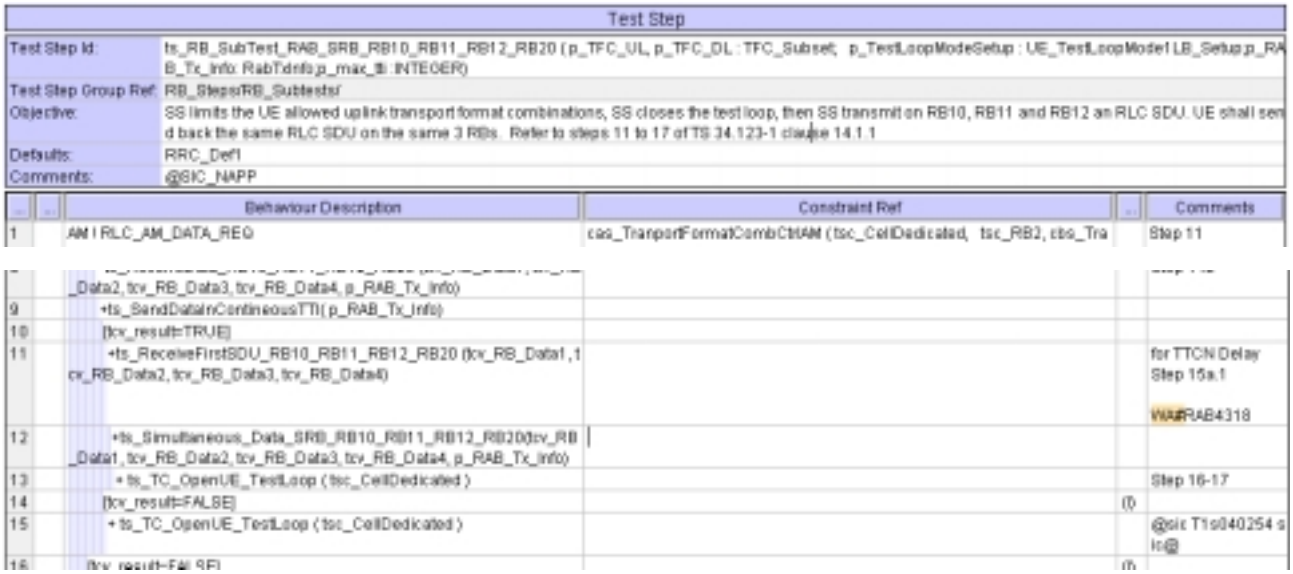
Test Case Id:	tc_14_2_38f
Test Group Reference:	CombinationOnDPCH/ConvSpeech_InteractBackgrnd/
Purpose:	Conversational / speech / UL: (12.2 7.95 5.9 4.75) DL: (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH Test to verify establishment and data transfer for reference radio bearer configuration as specified in TS 34.108, clause 6.10.2.4.1.38f
Configuration:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(500)			WA#RAB4335
2		+ ts_InitVariables			Initial Test Case Variables
3		+lt_Interactive			
4		+lt_Background			
lt_Interactive					
5		[pc_Interactive]			
6		+ ts_RB_IntiTest_CS_PS (speech_12_2k_7_95k_5_9k_4_75k_interact_8k_8k_40, terminatingInteractiveCall, terminatingInteractiveCall)			Steps 1-19
7		+ ts_Subtests_1_14_TC_14_2_38f (tsc_RB_TestData_5376)			
8	TBE1	(tcv_TestBody = FALSE)			
9		+ ts_TC_DeactivateRB_TestMode (tsc_CellDedicated)			Steps 20-21
10		+ts_RRC_ConnRel (tsc_CellA, cell_Dch)			
11		+ts_GMM_DetachOnSwitchOff(tsc_CellA)			
12		+ po_ConnectionAndSS_Rel (tsc_CellA)			
13		[TRUE]			WA#RAB4313
lt_Background					

4.4 ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 and ts_RB_SubTest_RAB_SRB_RB10_RB11_RB20 (WA#RAB4318)

Test step name	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 and ts_RB_SubTest_RAB_SRB_RB10_RB11_RB20
Reason for change	Wrong use of the timer to control the send of the measurement control during continuos data transmission: the SS have to check the returned data during this time.
Summary of change	With the current code PDUs from the UE are received but these are caught wrongly by the “otherwise” mechanism as they are not expected. Used for each Subtest step a step of the type “ts_ReceiveFirstSDUs_...” instead of the control timer (START and TIMEOUT): For “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20” used “ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20”. This test step guarantees that at least one set of PDUs in RB10, RB11, RB12 and RB20 are received from the UE before sending the measurement control to the UE. For “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB20” used “ts_ReceiveFirstSDU_RB10_RB11_RB20”. This test step guarantees that at least one set of PDUs in RB10, RB11, RB12 and RB20 are received from the UE before sending the measurement control to the UE. Note the picture shows the change applied to “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20” but it should also applied to “ts_RB_SubTest_RAB_SRB_RB10_RB11_RB20”.
Source of change	New Change

Label WA#RAB318



Test Step

Test Step Id:	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (p_TFC_UL, p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1 LB_Setup,p_RAB_Tx_Info: RabTdInfo,p_max_ft: INTEGER)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB10, RB11 and RB12 an RLC SDU. UE shall send back the same RLC SDU on the same 3 RBs. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

		Behaviour Description	Constraint Ref		Comments
1		AM ! RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, cbs_Tra		Step 11
		_Data2, tcv_RB_Data3, tcv_RB_Data4, p_RAB_Tx_Info)			
9		+ts_SendDataInContinuousTTI(p_RAB_Tx_Info)			
10		[tcv_result=TRUE]			
11		+ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (tcv_RB_Data1, tcv_RB_Data2, tcv_RB_Data3, tcv_RB_Data4)			for TTCN Delay Step 15a.1 WA#RAB4318
12		+ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20(tcv_RB_Data1, tcv_RB_Data2, tcv_RB_Data3, tcv_RB_Data4, p_RAB_Tx_Info)			
13		+ ts_TC_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
14		[tcv_result=FALSE]		(!)	
15		+ ts_TC_OpenUE_TestLoop (tsc_CellDedicated)			@sic T1s040254 sic@
16		[tcv_result=FALSE]		(!)	

4.5 ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 and ts_Simultaneous_Data_SRB_RB10_RB11_RB20 (WA#RAB4328)

Test step name ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 and ts_Simultaneous_Data_SRB_RB10_RB11_RB20.

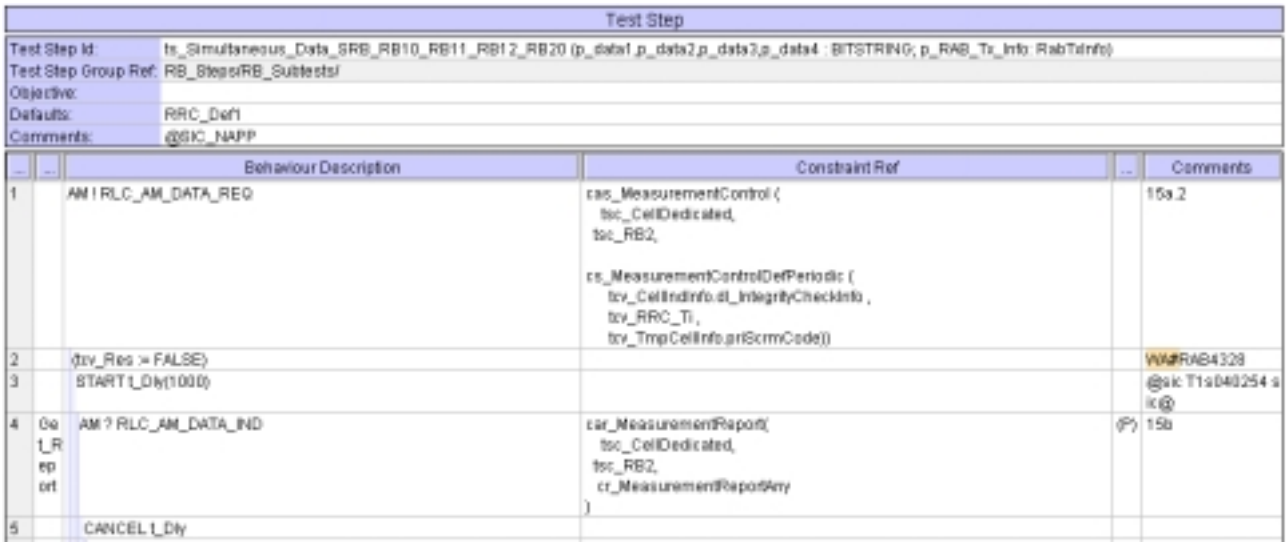
Reason for change Due to WA#RAB4318 (see point 4.4) it is necessary to initialise the variable “tcv_Res” to FALSE again (as the “ts_ReceiveFirstSDU_...” modify its value to TRUE).

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

Note the picture shows the change applied to “ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20” but it should also applied to “ts_Simultaneous_Data_SRB_RB10_RB11_RB20”.

Source of change New Change

Label WA#RAB4328



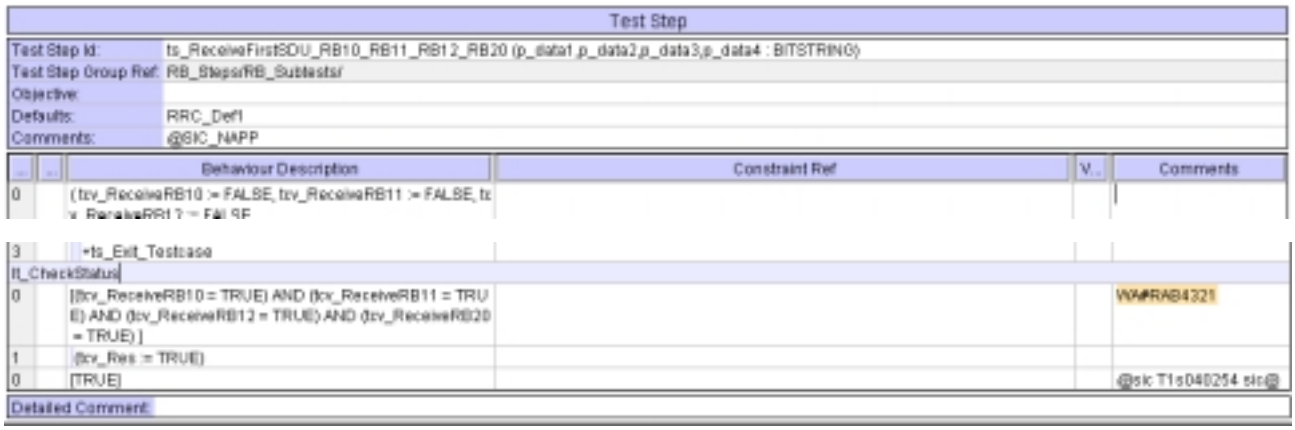
Test Step

Test Step Id:	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 (p_data1,p_data2,p_data3,p_data4 : BITSTRING; p_RAB_Tx_Info: RabTxInfo)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

..	..	Behaviour Description	Constraint Ref	..	Comments
1		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlDefPeriodic (tcv_CellIndInfo.dl_IntegrityCheckInfo , tcv_RRC_Ti , tcv_TmpCellInfo.priScrmCode))		15a.2
2		(tcv_Res := FALSE)			WA#RAB4328
3		START t_Dly(1000)			@sic T1s040254 sic@
4	Get_Report	AM ? RLC_AM_DATA_IND	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportAny)	(P)	15b
5		CANCEL t_Dly			

4.6 ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)

Test step name	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 and
Reason for change	TTCN error, wrong control variable for RB20.
Summary of change	Used tcv_ReceiveRB20 instead of tcv_ReceiveRB12 for RB20.
Source of change	New Change
Label	WA#RAB4321



Test Step

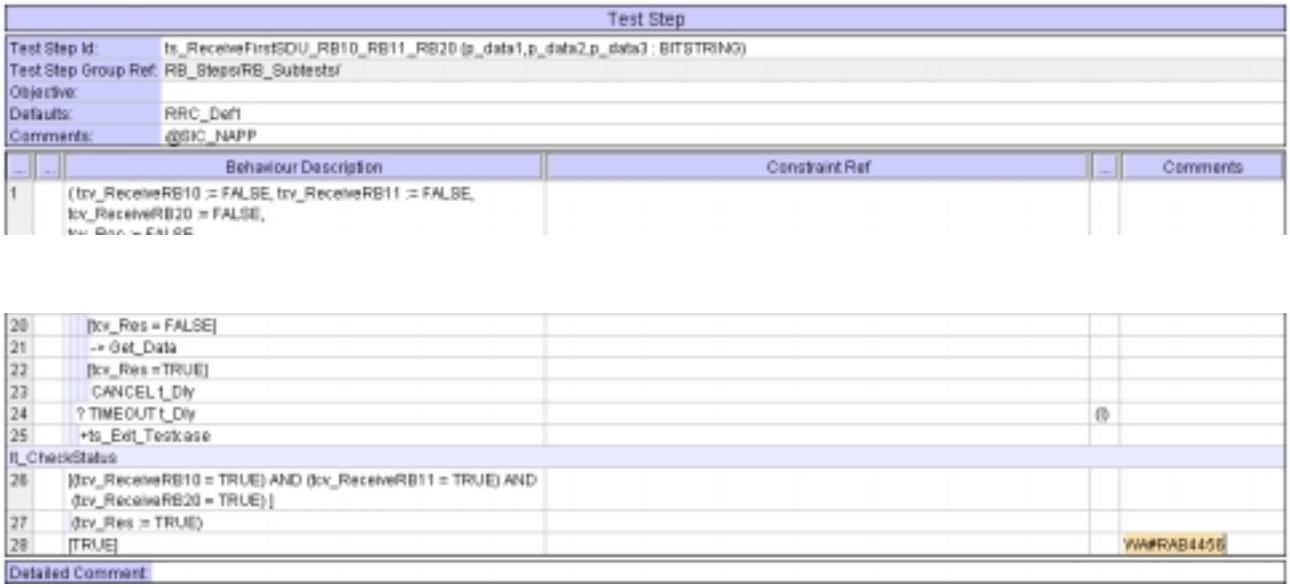
Test Step Id:	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (p_data1,p_data2,p_data3,p_data4 : BITSTRING)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP

..	..	Behaviour Description	Constraint Ref	V..	Comments
0		(tcv_ReceiveRB10 := FALSE,tcv_ReceiveRB11 := FALSE,tc v_ReceiveRB12 := FALSE			
3		+ts_Exit_Testcase			
lt_CheckStatus					
0		[(tcv_ReceiveRB10 = TRUE) AND (tcv_ReceiveRB11 = TRU E) AND (tcv_ReceiveRB12 = TRUE) AND (tcv_ReceiveRB20 = TRUE)]			WA#RAB4321
1		(tcv_Res := TRUE)			
0		[TRUE]			@sic T1s040254 sic@
Detailed Comment:					

4.7 ts_ReceiveFirstSDU_RB10_RB11_RB20 (WA#RAB4456)

Test step name	ts_ReceiveFirstSDU_RB10_RB11_RB20
Reason for change	TTCN error: the local test step “lt_CheckStatus” must end in a [TRUE] statement otherwise the execution would be get stuck at this point.
Summary of change	Added line with statement [TRUE]
Source of change	New Change

Label WA#RAB4456



Test Step				
Test Step Id:	ts_ReceiveFirstSDU_RB10_RB11_RB20 (p_data1,p_data2,p_data3 : BITSTRING)			
Test Step Group Ref:	RB_Steps/RB_Subtests/			
Objective:				
Defaults:	RRC_Def1			
Comments:	@SIC_NAPP			
..	..	Behaviour Description	Constraint Ref	..	Comments
1		(tcv_ReceiveRB10 := FALSE, tcv_ReceiveRB11 := FALSE, tcv_ReceiveRB20 := FALSE,			

20		[tcv_Res = FALSE]			
21		-> Get_Data			
22		[tcv_Res = TRUE]			
23		CANCEL t_Dly			
24		? TIMEOUT t_Dly		(I)	
25		+ts_Exit_Testcase			
It_CheckStatus					
26		[(tcv_ReceiveRB10 = TRUE) AND (tcv_ReceiveRB11 = TRUE) AND (tcv_ReceiveRB20 = TRUE)]			
27		(tcv_Res := TRUE)			
28		[TRUE]			WA#RAB4456
Detailed Comment:					

4.8 c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)

Test step name	c_TrLogMappingDL_TM3_AM1
Reason for change	The MAC TFC reselection algorithm depends on the priority for every logical channel. In the subtests which involves RB20 and other RABs in TM mode (RB10, RB11 and RB12) the mac priority for RB20 must be higher than or RB10. In the RB20 (AM mode) acknowledge PDUs must be sent sometimes taking the place in the data message. For example If the transport format used is DL_TFC3 (3 blocks in RB20) when the ACK PDUs must be sent it takes one of the blocks so 2 data blocks plus 1 ACK PDU are sent instead of the 3 data PDUs. The remain data PDU will be sent the next tti but this is possible only if there is a suitable TF available and also it is has a higher priority than the rest of the data in other RABs. See 11.4 “Transport format combination selection in UE” in TS 25.321
Summary of change	Used a value of 6 instead of 8 for the IE “ mac_LogicalChannelPriority” for RB20
Source of change	New Change
Label	WA#RAB4448

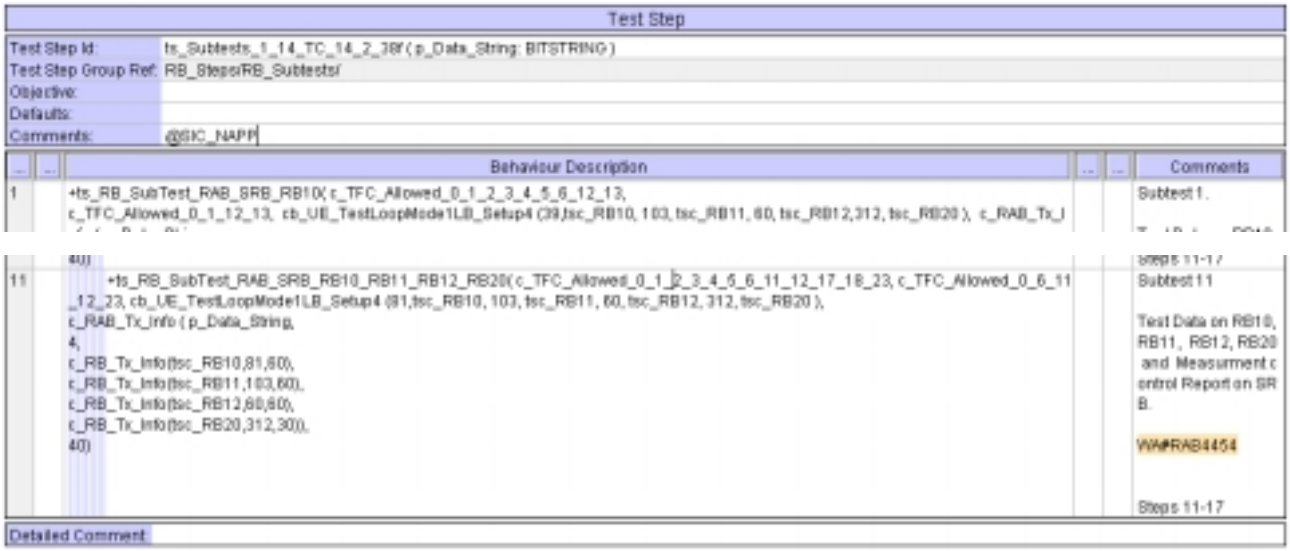
ASN.1 Type Constraint Declaration	
Constraint Name:	c_TrLogMappingDL_TM3_AM1
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	WI#RAB4448

Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 diconnectedTrCHList {
      },
      rB_Identity tsc_RB12 }
 },
 {trchid tsc_DL_DCH4,
  trCH_LogCHMappingList { { logicalChannel_Mapping dl_LogicalChannelMapping : {
       macHeaderManipulation normalMacHeader,
       dl_TransportChannelType dch,
       logicalChannelIdentity tsc_DL_DTCH4,
       logicalChannelType dTCH,
       rlc_SizeList configured: NULL,
       mac_LogicalChannelPriority 6
      },
      rB_Identity tsc_RB20 }
 },
 { trchid tsc_DL_DCH5,
  trCH_LogCHMappingList
  {
   { logicalChannel_Mapping dl_LogicalChannelMapping : {
       macHeaderManipulation normalMacHeader,
```

4.9 ts_Subtests_1_14_TC_14_2_38f (WA#RAB4454)

Test step name	ts_Subtests_1_14_TC_14_2_38f
Reason for change	TFCS 6 for DL necessary in subtest 11.
Summary of change	Used c_TFC_Allowed_0_6_11_12_23 instead of c_TFC_Allowed_0_11_12_23
Source of change	New Change
Label	WA#RAB4454



4.10 ts_SendRB_SetUpConvSpeech_12_2k_AMR_InteractBackg_8k_TC_40TTI (WA#RAB4488)

Test step name	ts_SendRB_SetUpConvSpeech_12_2k_AMR_InteractBackg_8k_TC_40TTI
Reason for change	Inconsistency with approved CR 041172. The security procedure in steps B9 and B10 were move before the RAB setup procedure for PS (implemented in "ts_RB_InitTest_CS_PS") thus it has to be removed from this test step.
Summary of change	Removed line 5 cally "ts_RRC_Security" for PS (steps B9 and B10)
Source of change	New Change
Label	WA#RAB4488

Test Step

Test Step Id:	ts_SendRB_SetUpConvSpeech_12_2k_AMR_InteractBackg_8k_TC_40TTI (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime : ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def\
Comments:	@SIC_NAPP \%MRAB448B

		Behaviour Description			Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		+ts_SendRB_SetUpSpeech_12_2k_AMR (p_CellId, tsc_RAB_DefCS, p_ActTime)			1. ts_SendRB_SetUpDCH_Speech_12_2k_AMR
3		+ ts_SetCellCfg (p_CellId, cell_DCH_Speech)			
4		+ ts_CalculateActTime (p_CellId)			
5		+ts_SendRB_SetUpConvSpeech_12_2k_AMR_InteractBackg_8k_TC_40TTI_CS_PS (p_CellId, p_RAB_Id, p_ActTime)			3.
6		+ ts_SetCellCfg (p_CellId, cell_Four_DTCH_CS_PS)			

5 Branches executed in test case 14.2.38f

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

6 Execution Log Files

6.1 Ericsson 3G UE U100

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

- **Execution log files 14_2_38f_CS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_38f-pics-pixit-Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040530**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** 453 ⌘ **rev** - ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Modification to MAC Package 2 test case 7.1.3.1
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	25/08/04
Category:	⌘	**F**
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: ⌘

1. As per **34.123-1** initial Condition for test case 7.1.3.1:

7.1.3.1.4 Method of test

Initial conditions

System Simulator:
- 1 cell, default parameters, **Ciphering Off**.

User Equipment:
- The UE shall operate under normal test conditions, **Ciphering Off**.
- The Test-USIM shall be inserted.

With the current TTCN implementation a user will be able to start the test case even if PIXIT px_CipheringOnOff is set to TRUE.

Thus PIXIT px_CipheringOnOff checking is required at the beginning of the test case.

2. In test step pr_CloseUE_TestLoop, always tsc_RB20 RB ID is sent in CLOSEUETESTLOOP message to UE. However if CN Domain tested is cs_domain then tsc_RB10 should be sent in CLOSEUETESTLOOP message to the UE.

Summary of change: ⌘

1. In test case body of tc_7_1_3_1 after the guard timer is started, at line 2, PIXIT px_CipheringOnOff is checked. If the PIXIT is set to FALSE test case proceeds, else an Inconclusive verdict is assigned at line 14.
2. Test step pr_CloseUE_TestLoop is modified to use tsc_RB20 RB ID for ps_domain and tsc_RB10 RB ID for cs_domain.

Consequences if not approved:	⌘	Test Case may Fail a conformant UE.

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.

1.1 Change

Test step name	tc_7_1_3_1
Reason for change	As per **34.123-1** initial Condition for test case 7.1.3.1: **7.1.3.1.4** Method of test Initial conditions **System Simulator**: - 1 cell, default parameters, **Ciphering Off**. **User Equipment**: - The UE shall operate under normal test conditions, **Ciphering Off**. - The Test-USIM shall be inserted. With the current TTCN implementation a user will be able to start the test case even if PIXIT px_CipheringOnOff is set to TRUE. Thus PIXIT px_CipheringOnOff checking is required at the beginning of the test case.
Summary of change	In test case body of tc_7_1_3_1 after the guard timer is started, at line 2, PIXIT px_CipheringOnOff is checked. If the PIXIT is set to FALSE test case proceeds, else an Inconclusive verdict is assigned at line 14.
Source of change	New change

Before:

Test Case	
Test Case Id:	tc_7_1_3_1
Test Group Reference:	MAC/PriorityHandlingBetweenDataFlowsOfOneUE/
Purpose:	To verify that the UE Prioritises signalling to data on a lower priority logical channel
Configuration:	
Defaults:	RRC_Def1,RLC_Default
Comments:	TS 25.321 clause 11.4 25.301 clause 5.3.1.2

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comment
1		START t_Guard(300)			
2		[px_RAT = fdd]			
3		+pr_GenericSetupProcedures			
4		+ts_RRC_SetUpRAB_UM_7_RLC (tsc_DefaultCellId, tcv_RAB_Id, cbs_DefaultRLC_InfoUM)			Step 3-4
5		+pr_CloseUE_TestLoop(tsc_UL_SDU_Size7_1_3_1)			Step 5-6
6	TBS	(tcv_TestBody := TRUE)			
7		+tt_LocalTest			
8	TBE	(tcv_TestBody := FALSE)		(P)	
9		+ts_TC_DeactivateRB_TestMode(tsc_DefaultCellId)			
10		+po_ConnectionAndSS_Rel(tsc_DefaultCellId)			
11		[px_RAT = tdd]		I	
12		[TRUE]		I	

After:

Test Case Id:	tc_7_1_3_1
Test Group Reference:	MAC/PriorityHandlingBetweenDataFlowsOfOneUE/
Purpose:	To verify that the UE Prioritises signalling to data on a lower priority logical channel
Configuration:	
Defaults:	RRC_Def1,RLC_Default
Comments:	TS 25.321 clause 11.4 25.301 clause 5.3.1.2

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comment
1		START t_Guard(300)			
2		[px_CipheringOnOff = FALSE]			
3		[px_RAT = fdd]			
4		+pr_GenericSetupProcedures			
5		+ts_RRC_SetUpRAB_UM_7_RLC (tsc_DefaultCellId, tcv_RAB_Id, cbs_DefaultRLC_InfoUM)			Step 3-4
6		+pr_CloseUE_TestLoop(tsc_UL_SDU_Size7_1_3_1)			Step 5-6
7	TBS	(tcv_TestBody := TRUE)			
8		+tt_LocalTest			
9	TBE	(tcv_TestBody := FALSE)		(P)	
10		+ts_TC_DeactivateRB_TestMode(tsc_DefaultCellId)			
11		+po_ConnectionAndSS_Rel(tsc_DefaultCellId)			
12		[px_RAT = tdd]		I	
13		[TRUE]		I	
14		[TRUE]		I	

1.2 Change

Test step name	pr_CloseUE_TestLoop
Reason for change	In test step pr_CloseUE_TestLoop, always tsc_RB20 RB ID is sent in CLOSEUETESTLOOP message to UE. However if CN Domain tested is cs_domain then tsc_RB10 should be sent in CLOSEUETESTLOOP message to the UE.
Summary of change	Test step pr_CloseUE_TestLoop is modified to use tsc_RB20 RB ID for ps_domain and tsc_RB10 RB ID for cs_domain.
Source of change	New change

Before:

Test Step					
Test Step Id:	pr_CloseUE_TestLoop(p_LB_Size: INTEGER)				
Test Step Group Ref:	Preambles/				
Objective:					
Defaults:					
Comments:	This preamble is used to close the UE test loop mode, for the default cellId (tsc_CellA), and the default RB used forMAC testing. Parameters: p_LB_Size: The uplink RLC SDU size in bits. This value will be represented as a 14 bit value in the LB Setup IE, so the valid range is from 0..16383. Test case variables affected: trv_UE_TestLoopClosed will be set to TRUE by this test step.				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comme
1		+ts_TC_CloseUE_TestLoop(tsc_DefaultCellId, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup(p_LB_Size, tsc_RB20))			

After:

Test Step					
Test Step Id:	pr_CloseUE_TestLoop(p_LB_Size: INTEGER)				
Test Step Group Ref:	Preambles/				
Objective:					
Defaults:					
Comments:	This preamble is used to close the UE test loop mode, for the default cellId (tsc_CellA), and the default RB used forMAC testing. Parameters: p_LB_Size: The uplink RLC SDU size in bits. This value will be represented as a 14 bit value in the LB Setup IE, so the valid range is from 0..16383. Test case variables affected: trv_UE_TestLoopClosed will be set to TRUE by this test step.				
Ind	Label	Behaviour Description	Constraint Ref	Verdict	Comm
0		[trv_CN_Domain = ps_domain]			
1		+ts_TC_CloseUE_TestLoop(tsc_DefaultCellId, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup(p_LB_Size, tsc_RB20))			
0		[trv_CN_Domain = cs_domain]			
1		+ts_TC_CloseUE_TestLoop(tsc_DefaultCellId, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup(p_LB_Size, tsc_RB10))			

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

Tdoc ⌘T1s040533

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** 452 ⌘ **rev** - ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of RAB Package 3 test case 14.2.38b to RAB ATS V3.6.1
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	26/08/04
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 RAB test cases 14.2.38b to the approved RAB ATS V3.6.1 For the original version (T1s040438) of this CR, MCC 160 had in principle accepted some of the changes and implemented those changes in a different way.
Summary of change:	⌘	No Changes are required in the wk34 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 2004 **T1s040533**
01 Jan - 31 Dec 2004

Title:	**Changes to test cases 14.2.38b 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 14.2.38b, which is part of the RAB test suite.

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

2 Table of Contents

3 Verification Test Summary

Test Case:	tc_14_2_38b
Test Group:	RAB/CombinationOnDPCH/ConvSpeech_InteractBackgrnd
ATS Version:	iWD-TVB2003-03_D04wk34 + essential modifications
System Simulator used:	**Anite 3G CT**
UE used:	Nokia 7600, Motorola A835
Verification Status:	PASS

4 Branches executed in test case 14.2.38b

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

5 Execution Log Files

5.1 Nokia 3G UE 7600

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

5.2 Motorola A835

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

6 References

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

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

Tdoc ⌘T1s040573

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **443-** ⌘**rev** **-** ⌘ Current version: **3.6.1** ⌘

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

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

Title:	⌘	Addition of P4 RRC test case 8.2.6.2 (Revision of CR T1s040491). There are no additional technical changes to this CR. Only change is to cover the ps path test coverage in section 5.
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	2/09/2004
Category:	⌘	**F**
Release:	⌘	Rel-5

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 4 RRC test case 8.2.6.2 to the approved RRC ATS V3.6.1
Summary of change:	⌘	This document lists all changes applied to test case 8.2.6.2 required for approval. See detailed change description for further information..
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	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 8.2.6.2 required for approval**
Source:	Racal Instruments Wireless Solutions, an Aeroflex Company
Document for:	Email Approval
Contact:	**Kundan Sehmbey** kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.2.6.2, which is part of RRC iWD_wk31 test suite. Plesae see section 6 for log information.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_2_6_2

Test Group: RRC

ATS Version: iWD_wk31

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

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 8.2.6.2

4.1 Introduction

The TTCN ATS used is RRC iWD_wk31.mp which is part of the iWD-TVB2003-03_D04wk31 release.

No TTCN Modifications required.

5 Branches executed in test case 8.2.6.2

For Nokia 7600 - test case was executed with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to cs_domain and ps_domain.

6 Execution Log Files

The Nokia 3G UE 7600 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 T1s040574 [2].

7 References

[1]	RRC iWD_wk31.mp
[2]	T1s040574 [2].zip Attachment containing the successful log.