TSGT#22(04)0167 page 1 of 2

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-	Spec	CR	R	Phas	Subject	Cat	Version-	Version-
Level			e	e			Current	New
			V		A 1 177			
T1-040400	04.400.0	400		DOO	Addition of GCF P4 test case 9.5.5 ATS V3.6.0	Ь	200	0.7.0
T1s040408	34.123-3	426	-	R99	Addition of GCF P4 test case	В	3.6.0	3.7.0
T1s040410	34.123-3	425	_	R99	10.1.2.2.1 ATS V3.6.0	В	3.6.0	3.7.0
1 13040410	34.123-3	423	 	1133	Addition of GCF P4 test case 9.5.4	В	3.0.0	3.7.0
T1s040440	34.123-3	448	_	R99	ATS V3.6.0	В	3.6.0	3.7.0
1 100 10 110	04.120 0	1.0		1100	Addition of GCF P4 test case 8.2.6.11		0.0.0	0.7.0
T1s040444	34.123-3	447	-	R99	to RRC ATS V3.6.0	В	3.6.0	3.7.0
					Addition of GCF P4 test case 8.3.1.12			
T1s040446	34.123-3	446	-	R99	to RRC ATS V3.6.0	В	3.6.0	3.7.0
					Addition of GCF P4 test case 12.2.1.2			
T1s040450	34.123-3	451	-	R99	ATS V3.6.0	В	3.6.0	3.7.0
					Addition of NAS test case 12.4.1.3 to			
T1s040452	34.123-3	429	-	R99	NAS ATS V3.6.0	В	3.6.0	3.7.0
					Addition of NAS test case 12.6.1.3.2 to			
T1s040456	34.123-3	427	-	R99	NAS ATS V3.6.0	В	3.6.0	3.7.0
					Addition of NAS test case 12.9.14 to	_		
T1s040458	34.123-3	428	-	R99	NAS ATS V3.6.0	В	3.6.0	3.7.0
T4 - 0.40.400		404		Doo	Addition of NAS test case 9.4.3.5 to	_	0.00	0.7.0
T1s040460	34.123-3	424	-	R99	NAS ATS V3.6.0	В	3.6.0	3.7.0
T1s040474	04.400.0	449	_	R99	Addition of P3 test case 8.4.1.37 to RRC ATS V3.6.1	В	3.6.1	3.7.0
1 15040474	34.123-3	449	<u> </u>	K99	Addition of P3 test case 8.4.1.38 to	Ь	3.0.1	3.7.0
T1s040476	34.123-3	450	_	R99	RRC ATS V3.6.1	В	3.6.1	3.7.0
T1s040476	34.123-3	456	<u> </u>	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	В	3.6.1	3.7.0
T1s040493	34.123-3	444	† <u>-</u>	R99	Addition of P4 RRC test case 8.3.1.17	В	3.6.1	3.7.0
T1s040495	34.123-3	442	-	R99	Addition of P4 RRC test case 8.3.2.9	В	3.6.1	3.7.0
	3200	<u> </u>			Correction to Package 3 SMS test case	<u> </u>		1
T1s040497	34.123-3	455	-	R99	16.2.1.	F	3.6.1	3.7.0
					Addition of RRC Package 4 test case			
T1s040498	34.123-3	441	-	R99	8.1.2.3 to RRC ATS V3.6.1	В	3.6.1	3.7.0
					Addition of RRC Package 4 test case			
T1s040500	34.123-3	438	-	R99	8.1.3.5 to RRC ATS V3.6.1	В	3.6.1	3.7.0

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

			CHAI	NGE REC	QUES	Γ		CR-Form-v7
*	ATSTS	RRC 34.123- 3	CR <mark>03xx</mark> 426	xx	1 1	Current versi	on: 3.6.0	光
For <u>H</u>	ELP on u	sing this for	m, see bottom	of this page o	r look at t	he pop-up text	over the % syr	nbols.
Proposed change affects: UICC apps# ME Radio Access Network Core Network								
Title:	¥	Addition	of GCF P4 test	case 9.5.5 AT	S V3.6.0			
Source:	*	Anritsu Lt	d, R&S and R	acal				
Work ite	m code: ₩	N/A				Date: ೫	9/8/2004	
Category	<i>r:</i>	Use one of F (con A (cor B (add C (fun D (edi Detailed ex	lition of feature) ctional modifica torial modificatio	orrection in an ea tion of feature) on) above categorie		2 se) R96 R97 R98 R99 Rel-4 Rel-5	R99 he following rela (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	
Reason	or change	e: 光 <mark>Toir</mark>	troduce test c	ase 9.5.5 to AT	S 3.6.0			
Summar	y of chang	/e:						
Consequence not appr		策 Test	case will not b	e introduced.				
Clauses	affected:	₩ N/A						
Other sp		器 X X X	Other core sp Test specific O&M Specific	ations	*			
Other co	mments:	×						

How to create CRs using this form:

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

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



TSG-T Working Group 1 SWG SIG E-Mail 2004

T1S-0404082(8.1.1. 8\

01 Jan - 31 Dec 2004

Title Changes to Introducing test case 9.5.5 required for approvalto 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

1	Overview	4
2	Tables added to iWD-TVB2003-03_D04wk26	Ę
_	142100 44404 10 1112 112200 00_20 111120	
3	Tables Modifed to iWD-TVB2003-03 D04wk26	. F

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

			CHAN	GE REQ	UEST	-		CR-Form-v7
ж	ATSTS	RRC 34.123- 3	CR <mark>03xxxx</mark> 425	₩ rev	1 1	Current versio	3.6.0	黑
For <u>H</u>	IELP on t	using this fo	m, see bottom o	f this page or	look at th	ne pop-up text o	∕er the ঋ syn	nbols.
Proposed change affects: UICC apps# ME Radio Access Network Core Network								
Title:	Ж	Addition of	of GCF P4 test ca	ase 10.1.2.2.1	ATS V3	.6.0		
Source:	H	Anritsu Lt	d, R&S and Rac	al				
Work ite	m code: ∺	N/A				Date: ₩	9/8/2004	
Category	<i>y:</i> ∺	F (cor A (cor B (add C (fun D (edi Detailed ex	the following categrection) responds to a correlition of feature), ctional modification torial modification) planations of the al 3GPP TR 21.900.	ection in an ear		2 (6 Re) R96 (F R97 (F R98 (F R99 (F Rel-4 (F Rel-5 (F	R99 e following rele GSM Phase 2) Release 1996) Release 1997) Release 1998) Release 1999) Release 4) Release 5) Release 6)	eases:
Reason	for chang	e: 光 To ir	troduce test cas	e 10.1.2.2.1 to	ATS 3.6	6.0		
Summar	y of chan	<i>ge:</i>						
Consequence not appr	uences if oved:	₩ Test	case will not be	introduced.				
Clauses	affected:	₩ N/A						
Other sp	oecs :	X X	Other core spec Test specification	ons	¥			
Other co	mments:	\mathfrak{H}						

How to create CRs using this form:

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

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



TSG-T Working Group 1 SWG SIG E-Mail 2004

T1-0404042(8.1.1.

01 Jan - 31 Dec 2004

Title Changes to Introducing test case 10.1.2.2.1 required for approvalto 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

1	Overview	4
2	Tables added to iWD-TVB2003-03_D04wk26	5
_	Tables added to TWD-TVD2003-03_D04Wk20	J
2	Tables Medifed to IMD TVD2002 02 D04v42/	_
3	Tables Modifed to iWD-TVB2003-03 D04wk26	ว

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

			С	HANGE	REQ	UES [.]	Т			CR-Form-v7
#	ATS <u>TS</u>	RRC 34.123- 3)3xxxx 148	жrev	1 1	Current ver	rsion:	3.6.0	*
For <u>HE</u>	LP on u	sing this fo	m, see i	bottom of thi	s page or	look at t	he pop-up tex	t over	the % syn	nbols.
Proposed	Proposed change affects: UICC apps# ME Radio Access Network Core Network									
Title:	Ж	Addition	of GCF F	P4 test case	9.5.4 ATS	V3.6.0				
Source:	ж	Anritsu Lt	d & Rac	al						
Work item	r code: ₩	N/A					Date: 3	€ 09/	/08/2004	
Category:	*	Use <u>one</u> of F (con A (con B (add C (fun D (edi	rection) responds dition of for ctional motorial motorial	odification of a dification) s of the above	on in an ear feature)		2	of the fo (GSN (Rele (Rele (Rele (Rele (Rele (Rele	9 bllowing rele M Phase 2) ease 1996) ease 1997) ease 1999) ease 4) ease 5) ease 6)	eases:
Reason fo	or change	e: Ж <mark>Toir</mark>	ntroduce	test case 9.	5.4 ATS V	/3.6.0				
Summary of change: None Consequences if not approved: Test case will not be introduced.										
посаррго	vcu.									
Other spe	cs	策 N/A Y N K X X	Test s	core specific pecifications Specifications		¥				
Other con	nments:	\mathfrak{H}								

How to create CRs using this form:

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

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



TSG-T Working Group 1 SWG SIG E-Mail 2004

T1S-0404402(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

1	Overview	4
_		
2	Tables added to iWD-TVB2003-03_D04wk31	5
3	Tables Modifed to iWD-TVB2003-03 D04wk31	F

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

		(CHANGE	REQ	UE	ST	•		CR-Form-v7
*	RRC ATSTS34.123- 3	_	447	∺rev	1 1	*	Current version:	3.6.0	器

	<u>3</u>							
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the \mathbb{K} symbols.								
Proposed change	affects: UICC apps業 ME Radio Acce	ess 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: 9	ß N/A	Date: 第 09/08/04						
	Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)						
Clauses affected:	₩ N/A							
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications							

How to create CRs using this form:

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

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



TSG-T Working Group 1 SWG SIG E-Mail 2004

T1S-0404442(8.1.1.

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

1	Overview	4
_	T. I I	_
2	Tables added to iWD-TVB2003-03_D04wk26	t
3	Tables Modifed to iWD-TVB2003-03 D04wk26	F

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

CHANGE REQUEST									
¥	RRC ATS <u>TS34.123-</u> 3	CR	446	жrev	1 1	¥	Current version:	3.6.0	X
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the \mathbb{H} symbols.									

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

Title:	\mathbb{H}	Addition of GCF P4 test case 8.3.1.12 to RRC AT	S V3.6.0	
Source:	\mathbb{H}	Anritsu Ltd, R&S and Racal		
Work item code.	: #	N/A	Date: ૠ	09/08/04
Category:	\mathfrak{R}	В	Release: ₩	R99
		Use <u>one</u> of the following categories:	Use <u>one</u> of	the following releases:
		F (correction)	2	(GSM Phase 2)
		A (corresponds to a correction in an earlier release	e) R96	(Release 1996)
		B (addition of feature),	R97	(Release 1997)
		C (functional modification of feature)	R98	(Release 1998)
		D (editorial modification)	R99	(Release 1999)
		Detailed explanations of the above categories can	Rel-4	(Release 4)
		be found in 3GPP TR 21.900.	Rel-5	(Release 5)
			Rel-6	(Release 6)

Reason for change:	\mathfrak{H}	Introduction of GCF P2 RRC 8.3.1.12
Summary of change:	æ	None
Consequences if not approved:	¥	Test case will not be introduced.

Clauses affected:	ж <mark>N/A</mark>			
	YN			
Other specs		ther core specifications	\mathfrak{H}	
affected:		est specifications		
	X O	&M Specifications		
Other comments:	X			

How to create CRs using this form:

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

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



TSG-T Working Group 1 SWG SIG E-Mail 2004

T1S-0404462(8.1.1.

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

1	Overview	4
_	T. I II. II. III. TUDOOO OO DOA I OA	_
2	Tables added to iWD-TVB2003-03_D04wk31	t
3	Tables Modifed to iWD-TVB2003-03 D04wk31	F

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

Z Tables added to IVVD-1 VD2003-03 D04VVN	2	Tables added to iWD-TVB2003-03	D04wk3
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None

3 Tables Modifed to iWD-TVB2003-03_D04wk31

None

CHANGE REQUEST							
ATS	TS34.123	CR <mark>03xx</mark> - 451	xx	1 1	Current version:	3.6.0	X
For <u>HELP</u>	on using this f	orm, see bottom	of this page or	look at th	ne pop-up text ove	r the	nbols.
Proposed char	nge affects:	UICC apps #	ME	Radio A	Access Network	Core Net	twork
Title:	第 Addition	of GCF P4 test	case 12.2.1.2	ATS V3.6	0.6		
Source:	# Anritsu	Ltd					
Work item cod	e: 郑 <mark>N/A</mark>				Date:	0/08/2004	
Category:	F (cc A (cc B (ac C (fu D (ec Detailed e	of the following can prection) presponds to a condition of feature) unctional modification ditorial modification xplanations of the magnetions of the	orrection in an ea , tion of feature) on) e above categorie		Re) R96 (Rei R97 (Rei R98 (Rei R99 (Rei Rei-4 (Rei Rei-5 (Rei		ases:
Reason for cha	ange: Ж <mark>То</mark>	introduce test c	ase 12.2.1.2 A	TS V3.6.0)		
Summary of change: 244 table modified in iWD-TVB2003-03_D04wk31,for details see below							
Consequences if # Test case will fail with Conformant UE not approved:							
Clauses affect	ed: ೫ N/A	1					
Other specs affected:)	Other core space Test specification O&M Specification	ations	X			
Other commer	nts: ೫						

How to create CRs using this form:

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

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



TSG-T Working-Group 1 SWG-SIG E-Mail 2004

T1-0404502(8.1.1.

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

1	Overview	. 4
_	T. I. I. II. III. III. TUDOOO OO DOA I OA	_
	Tables added to iWD-TVB2003-03_D04wk31	
1	None	. 5
3	Tables Modifed to iWD-TVB2003-03_D04wk31	. 5
	3.1 lt_Steps_11To15	. 5
	2 2 1+ C+ C+ C7 19T0 22	-

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 \rightarrow ts_RRC_ConnEs \rightarrow ts_SS_PrepareCellRRC_ConnEst \rightarrow Line number 39 (+ts_SS_ReIDPCH (tsc_CellA)).

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

lt_	_S	teps_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		<pre>(tcv_CellInfoD.attenuationLevel := tsc_AttenuationServingCell)</pre>	
33		- +ts_SS_StopCell (tsc_CellA, TRUE)	esic VB only 2 cells active sice
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_s	lt_Steps_18To22			
39	(tcv_PS_KeySeq := '111'B)			
40	+ ts_MM_RegistrationHandleAttachReqIMSI (tsc_CellD)		Step CS regis If UE Opera mode	

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

	CR-For	rm-v7		
CHANGE REQUEST				
[≆] TS 34	.123-3 CR 429			
For <u>HELP</u> on usi	ng this form, see bottom of this page or look at the pop-up text over the 発 symbols.			
Proposed change af	fects: UICC apps第 ME Radio Access Network Core Network	(
Title: ж А	Addition of NAS test case 12.4.1.3 to NAS ATS V3.6.0			
Source: # F	Rohde & Schwarz			
Work item code: ₩ N	J/A Date: 第 06/08/2004			
E 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) P (editorial modification) D (editorial modification) Release 1998) P (Release 1998) Release 1999) Retailed explanations of the above categories can e found in 3GPP TR 21.900. To add verified GCF package 4 NAS test case 12.4.1.3 to the approved NAS A			
	V3.6.0 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:	ж N/A			
Other specs affected:	Y N X Other core specifications 米 Test specifications O&M Specifications Y X O&M Specifications Y O&M Specif			
Other comments:	*			

How to create CRs using this form:

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

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

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

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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.

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 12.4.1.3	2
4.1	Introduction	
4.2	ts_GMM_DetachOnSwitchOff (WA#NAS4453)	
4.3	tc_12_4_1_3	3
4.3.1	WA#NAS4541	
4.3.2	WA#NAS4544	3
4.3.3	WA#NAS4545	. 4
4.3.4	WA#NAS4546	
4.3.5	WA#NAS4547	. 5
5	Branches executed in test case 12.4.1.3	6
6	Execution Log Files	6
6.1	Nokia 7600	
6.2	Motorola A845	
7	References	6

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

2	[pc_SwitchOnOff]	UE can actually be switch ed off
3	+ts_SetTmpCellInfo (p_Cellid)	Get Cellinfo to be used la ter
4	+It_Init_RRC_RelStatus	
5	*ts_MMI_UE_SwitchOff	
6	+ts_RRC_ConnEst(p_Celld, est_MO, detach)	
7	[fty TmpCellinfo.offFlag = fsr_AffOff) AND (fix_TmpCellinfo.ormo = fsr_NMO_(i))	ATT flag is not set, only GPRS detach is req uired www.nas4463
8	+lt_Detach_PSonly	
9	+ts_RRC_ConnRel_AfferSwitchOff(p_Cellid, tcv_RRC_RelS tatus)	
10	[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellinfo.nma = tsc_NMO_0)	If UE is in operation mod e A and network mode of operation is I, then run combined PS/C S procedures.
11	+It Detach NMO I	

4.3 tc_12_4_1_3

4.3.1 WA#NAS4541

Test step name tc_12_4_1_3 : It_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_AutomaticAttachBwitchON]	Automatic attach procedu re supported
23	+lt_Attach_Steps_13To15	
24	+ts_GMM_DetachOnSwitchOff(tsc_Cell8)	Steps 16 to 17
25	[TRUE]	Automatic attach procedu re NOT supported
26	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)	WA#NAS4541
27	+ts_GMM_PagingType1_PTMSI (tsc_CellA, terminatingIntera ctweCall, px_PTMSI_2)	WARNAS4541
28	+ts_RRC_RandAccFail(10000)	WAMNAS4541
29	+1s_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

		17	
39	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)		
40	Dc I RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_R8 3, cs_RA_UpdRej (Step 10. ROUTING AREA UPDATING REJECT
		10910)	- cause = 'UE identity can
		>	not be derived by the net
			work"
41	(trv_PS_KeySeq := '111'8)		WARNAS4544
42	[TRUE]		V/A#NAS4545
It_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

		Dr.	
39	+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)		
40	Dr I RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB 3, cs_RA_UpdRej(109'0))	Step 10. ROUTING AREA UPDATING REJECT - cause = "UE identify can not be derived by the net work"
41	dry_PS_KeySeq := 111'8)		WA#NAS4544
42	[TRUE]		WARNAS4545
IL/A	tach_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

40 Dc I RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB 3, cs_RA_UpdRej(Step 10. ROUTING AREA UPDATING REJECT
	19/0)	 cause = 'UE identity can not be derived by the net work'
41 (trv_PS_KeySeq = "111'B)		WWWNAS4544
42 [TRUE]		WA#NAS4545
It_Attach_Steps_13To15		
43 [TRUE]		WARNAS4546
44 Dc ? RRC_DataInd	car_PS_UplinkDirecfTransfer(tsc_CellDedic	Step 13, ATTACH REQUE
(trv_Start := RRC_DataInd.start)	ated, tsc_RB3,	ST
	cr_AttachReq (- Attach type is PS attach
	c_GMM_AttachTypePS_Only,	
	c_MobileIdIMSI_W,	- Mobile Id = IMSI
	2. tcv PS KeySeg()	WA#NAS4547

4.3.5 WA#NAS4547

tc_12_4_1_3: It_Attach_Steps_13To15 Test step name

If the Attach request message is sent in the same RRC connection then the ASP constraint used should be "car_PS_UplinkDirectTransfer" $\,$ Reason for change

Replaced "car_PS_InitDirectTransfer" with "car_PS_UplinkDirectTransfer" Summary of change

New change Source of change

43	[TRUE]		WA#NAS4546
44	Dt 7 RRC_DataInd	car_PS_UplinkDirecfTransferdtsc_CellDedic	Step 13. ATTACH REQUE
	(tcv_Start := RRC_DataInd.start)	ated, tsc_RB3,	ST
		cr_AttachReq (- Attach type is "PS attach"
		c_OMM_AltachTypePS_Only,	
		c_MobileIdIMSI_lv,	- Mobile Id = IMSI
		7, tcv_PS_KeySeq))	VWWNAS4547
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 ITML format show the dynamic behaviour of the test in a tabular view and in
 - 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

CHANCE DECLIEST			
	CHANGE REQUEST		
[₩] TS 34	# rev - # Curre	ant version: 3.6.0	
For <u>HELP</u> on usi	ng this form, see bottom of this page or look at the pop-	up text over the	
Proposed change af	fects: UICC apps業 ME Radio Access	Network Core Network	
Title: ж А	Addition of NAS test case 12.6.1.3.2 to NAS ATS V3.6.0		
Source: # R	Rohde & Schwarz		
Work item code: ₩ N	N/A	ate:	
D	Use F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	R99 one of the following releases: (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 ATS V3.6.0	.1.3.2 to the approved NAS	
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 O&M Specifications		
Other comments:	x		

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 12.6.1.3.2 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

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

1	Overview	. 1
2	Table of Contents	. 1
3	Verification Test Summary	. 2
4	Corrections required for test case 12.6.1.3.2	. 2
4.1	Introduction	. 2
4.2	ts_GMM_DetachOnSwitchOff (WA#NAS4453)	. 2
4.3	ts_GMM_AttachReject (WA#NAS4517)	
4.4	ts_GMM_AuthenticationInit_InvalidSQN (WA#NAS4562)	. 3
4.5	c_AuthenticationFailureParameter (WA#NAS4500)	
4.6	tc_12_6_1_3_2	
4.6.1	WA#NAS4575	. 4
4.6.2	WA#NAS4572	. 5
4.6.3	WA#NAS4569	
4.6.4	WA#NAS4574	. 6
5	Branches executed in test case 12.6.1.3.2	
6	Execution Log Files	. 7
6.1	Nokia 7600	. 7
6.2	Motorola A845	. 7
7	References	. 7

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

2	[pc_SwitchOnOff]	UE can actually be switch ed off
3	+ts_SefTmpCellinfo (p_Cellid)	Get Cellinfo to be used la ter
4	+it_Init_RRC_ReiStatus	
5	*ts_MMI_UE_SwitchOff	
6	+ts_RRC_ConnEst(p_Cellid, est_MO, detach)	
7	[fity TmpCellinfo.nmo = tsc_NMO_I0]	ATT flag is not set, only GPRS detach is req- uired www.as4463
8	+it_Detach_PSonly	
9	+ts_RRC_ConnRel_AfterSwitchOff(p_Cellid, tcv_RRC_RelS tatus)	
10	[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellInfo.nma = tsc_NMO_())	If UE is in operation mod e A and network mode of operation is I, then run combined PS/C S procedures.
11	+it_Defach_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 :

It_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 a ttempt PS attach
68	+ts_RRC_ConnEst(p_Cellid, est_Reg, registration)			Establish RRC connection n www.asassir
69	Dc 7 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_MobileldAny_lv, c_RAI_An y_v, ?))		ATTACH REQUEST - Edract 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

1	+It_IncrementClphKeySeqNum	WA#NAS4562
2	+It_AuthCalcAUTN	Calculation of AUTN needed for Authentication Request
3	+It_AuthCalcUMTS_Others	 Calculation of other authentication information needed (IK, CK, XRES)
4	+It_AuthCalcKcGSM	3. Calculation of Kc OSM, using IK and CK
lt_Inc	rementCiphKeySeqNum	
5	[tcv_PS_KeySeq = '000'B]	VWWNAS4562
6	(frv_PS_KeySeq := '001'B)	
7	[tcv_PS_KeySeq = 100118]	
8	(trv_PS_KeySeq := '010'B)	
9	[tcv_PS_KeySeq = '010'8]	
10	(frv_PS_KeySeq := '011'B)	
11	[tcv_PS_KeySeq = '011'8]	
12	(trv_P8_KeySeq := '100'B)	
13	[tcv_PS_KeySeq = '100'B]	
14	(trv_PS_KeySeq := '101'B)	
15	[tcv_PS_KeySeq = '101'8]	
16	(trv_P8_Key8eq := '110'B)	
17	[TRUE]	
18	(trv_PS_KeySeq := '000'B)	
lt_Aut	hCalcAUTN	

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_AuthenticationF	_AuthenticationFailureParameter (p_AUTS : BITSTRING)					
Group:							
Type Name:	AuthenticationFail	ureParameter					
Derivation Path:							
Encoding Variation:							
Comments:	@SIC_NAPP						
Element	t Name	Element Value	Type Encoding	Comments			
iei		'00110000'8		AVA#NAS4500			
iel		0/30/		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 "It_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

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	tov_AuthAUTS := tov_TmpAuthAndCliphFailPDU.authFailu		Step 7, AUTHENTICATION AND CIPH ERING FAILURE - GMM cause is "Synch failure" - AUTS
	rePar.auts)	c_AuthenticationFailureParameter (**B)))	@sic VB ER1560 sic@
41	(tcv_AuthAMF := px_AuthAMF)		WAINAS4572
42	+ts_GMM_AuthenticationInit		Now compute valid authentication par amters

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

44	+lt_AuthAndCiph_Rsp_Steps_10To11		Step 10.
			WA#NAS4573
45	+ts_RRC_Security (Step 11.
	tsr_CellA,		WMMNAS4574
	tev_P8_AuthCK,		
	tcv_PS_AuthIK,		
	tev_AuthKeGSM,		
	TRUE, ps_domain)		
40	De LDDC DeteDen	an DC DataDanites CallDadia	et Dise 43 ATTACH ACCEPT

It_Aut	thAndCiph_Rsp_Steps_10To11			,
56	Dc ? RRC_DataInd (tcv_TmpAuthAndCiphRspPDU := RRC_DataInd.msg, tcv_AuthRsp := tcv_TmpAuthAndCiphRspPDU authRsp.v alue, tcv_AuthRspExt := tcv_TmpAuthAndCiphRspPDU.authRs pExt)	c_AuthRspAny_tv,		Step 10. AUTHENTICATION AND CIP HERING RESPONSE including Authentication Response and d Authentication Response Extension paramters WARNAS4573
57	+It_Verify_RspExt			Step 11. Verify that the received Authe ntication Response (RES) matches e xpected response. VOIDNAS4573
58	Dt ? RRC_Dataind (tcv_TmpAuthAndCiphRspPDU = RRC_Dataind.msg, tcv_AuthRsp := tcv_TmpAuthAndCiphRspPDU.authRsp.v elue)	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AuthAndClphRsp2 (c_AuthRspAry_N, -, c_AC_RefNum3))		Step 10. AUTHENTICATION AND CIP HERING RESPONSE including Authentication Response pa ramber (no extension) WA#NAS4573
59	+It_Verify_RspNoExt	ĺ		Step 11. Verify that the received Authe rification Response (RES) matches e xpected response. WAPNAS4573
60	Dt ? OTHERWISE		(F)	WA#NAS4573

t_Verif	y_RspExt		
61	(tcv_Res := o_AuthRspChk(tcv_AuthRsp, tcv_AuthRspEd, tcv_AuthK, tcv_AuthRAND, TRUE))		ceived Authentication mters match expected
62	[tcv_Res = FALSE]		esponse (RES) sent b match expected value
63	[tcv_Res = TRUE]	(P) WA#NAS4573	
t_Verif	Y_RspNoExt		
64	(tcv_Res := o_AuthRspChk(tcv_AuthRsp, -, tcv_AuthK, tcv_AuthRAND, FALSE))		ceived Aufhentication mters match expected
65	[tcv_Res = FALSE]		esponse (RES) sent b match expected value
66	[tcv_Res = TRUE]	(P) WA#NAS4573	

4.6.4 WA#NAS4574

 $\begin{tabular}{ll} \textbf{Test step name} & tc_12_6_1_3_2: lt_Steps_4To13 \\ \end{tabular}$

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

44 +It_AuthAndCiph_Rsp_Steps_10To11	Step 10. WA#NAS4573
+ts_RRC_Security (tsc_CellA, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)	Step 11. WARNAS4574

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

	CHANGE REQUEST	CR-Form-v7
TS 34	34.123-3 CR 428	¥
For <u>HELP</u> on us	sing this form, see bottom of this page or look at the pop-up text over the % sy	mbols.
Proposed change a	affects: UICC apps光 ME Radio Access Network Core N	etwork
Title: Ж	Addition of NAS test case 12.9.14 to NAS ATS V3.6.0	
Source: 第	Rohde & Schwarz	
Work item code: ₩	N/A Date: # 12/08/2004	
	Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. Use one of the following real cane on the following real cane of the following real cane o))))
Reason for change:	To add verified GCF package 4 NAS test case 12.9.14 to the approved N V3.6.0	NAS ATS
Summary of change	Je: ₩	
Consequences if not approved:	₩ Test case will not be added to ATS	
Clauses affected:	₩ N/A	
Other specs affected:	Y N	
Other comments:	x	

How to create CRs using this form:

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

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

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

Tdoc #T1s040458

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

Title: Approval of test case 12.9.14

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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Tel. +49 89 4129 11731

1 Overview

This document lists 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

6	References	2
5.2	Motorola A845	2
5.1	Nokia 3G UE 7600	2
5	Execution Log Files	2
4	Branches executed in test case 12.9.14	2
3	Verification Test Summary	2
2	Table of Contents	1
4	Overview	4

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

CHANGE REQUEST				
[♯] TS 3	84.123-3 CR 424 #rev - #	Current version: 3.6.0 #		
For <u>HELP</u> on u	using this form, see bottom of this page or look at the	pop-up text over the 業 symbols.		
Proposed change	affects: UICC apps第 ME Radio Ac	cess 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:		
	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. E: To add verified GCF package 4 NAS test case	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
	V3.6.0 ge: This document lists all changes applied to test See detailed change description for further info	case 9.4.3.5 required for approval.		
Consequences if not approved:	器 Test case will not be added to ATS			
Clauses affected:	₩ N/A			
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications			
Other comments:	x			

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 9.4.3.5 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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Tel. +49 89 4129 11731

1 Overview

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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 9.4.3.5	2
4.1	Introduction	
4.2	tc_9_4_3_5	2
4.2.1	WA#NAS4473	2
4.2.2	WA#NAS4624	3
4.2.3	WA#NAS4625	
4.2.4	WA#NAS4474	4
4.2.5	WA#NAS4475	
4.2.6	WA#NAS4476	5
4.2.7	WA#NAS4477	5
4.2.8	WA#NAS4478	5
4.2.9	WA#NAS4479	
4.2.10		
4.2.11	1 WA#NAS4481	7
5	Branches executed in test case 9.4.3.5	8
6	Execution Log Files	8
6.1	Nokia 7600	
6.2	Ericsson U100	8
7	References	8

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

15	*ts_OMM_PrepRAU		2. @SIC EW CR T1-040949 SIC@
16	+ts_RRC_ConnEst(tsc_CellB, est_Reg, registration)		Step 2: MO Connection Establish ment
17	Dc?RRC_Dataind (trv_Start:= RRC_Dataind.start)	car_initDirecfTransfer(tsc_CellDedicated, tsc_RB3, c_LocUpdReq(c_MobileIdTMSI_W, tcv_CellInfoB.mcc, tcv_CellInfoB.mcc, tcv_CellInfoB.mcc, c_LocUpdTypeNormal, tcv_CS_KeySeq()	Step 3
18	START t_Dly1 (tsc_T3210min)		
19	+ ts_SS_SecurityCownloadStart (tcv_CN_Domain, tcv_Start)		
20	+ts_MM_Authentication(tsc_CellB)		Steps 4-5: Authentication
21	(tcv_CS_KeySeq := '111'B)		WARNAS4474

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	to	+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, v_Start)		
20		+ts_GMM_RAU_Reject(tsc_CellA, tsc_RejCauGPRS_NotAllowed)		WARNAS4624
21		+ts_MM_Authentication(tsc_Cell8)		Steps 4-5: Authentication
22		(trv_CS_KeySeq := "111"8)		WARNAS4474
23		DtIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_R83, 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

anv more

Summary of change Replaced "ts_GMM_RAU_Accept" with "TRUE"

Source of change New change

23	DcIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMSI(tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac))	Step 7 1. VXA#NAS4475
24	[TRUE]		3. @GIC EW CR T1-040949 SIC@ Wa#NAS4625
25	7TIMEOUT t_Dly1		Steps 8 and 9
26	START t_Diy1 (tsc_T3210tol)		RR Connection release d uring T3210 +/- 10%
27	*ts_RRC_SignConnectRel(tsc_CellB)		Step 10: Signalling Connection R elease request WWWNAS4476

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)		WARNAS4474
22	DdRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMSI(tcv_CellInfoB.mcc, tcv_CellInfoB.mcc, tcv_CellInfoB.lact)	Step 7 1. VVA#NAS4475

4.2.5 WA#NAS4475

Test step name tc_9_4_3_5 : It_RARej_Steps_9To10

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

20	+ts_MM_Authentication(tsc_Cell8)		Steps 4-5: Authentication
21	(firy_CS_KeySeq := '111'B)		WARNAS4474
22	DcIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMSI(tcv_CellinfoB.mcc, tcv_CellinfoB.mnc, tcv_CellinfoB.ac))	Step 7 1. WARNAS4475
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	7TIMEOUT t_DIyI	Steps 8 and 9
25	START t_Dly1(tsc_T3210tol)	RR Connection release d uring T3210 +J- 10%
26	+ts_RRC_SignConnectRe <mark>(tsc_CellB)</mark>	Step 10: Signalling Connection R elease request WARNAS4476
27	START t_Dly1 (tsc_T3211min)	After T3210 expiry T3211 is started
28	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)	Step 11: Connection Release WARNAS4477

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 R elease request WAFNAS4476
27	START t_Dly1 (tsc_T3211min)	After T3210 expiry T3211 is started
28	+ts_RRC_ConnRel(tsc_CellB cell_Dch)	Step 11: Connection Release WAFNAS4477
29	?TIMEOUT 1_Dly1	Step 12: T3211 min has expired
30	+It_Part2	
t_Part2		

4.2.8 WA#NAS4478

Test step name tc_9_4_3_5 : It_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 according 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

It_Part	12		
31	<pre>+ts_RRC_ConnEst(tsc_CellB, est_Reg, registration)</pre>		Step 13: MO Connection Establishme nt
32	Dc?RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_InitDirectTransfer(tsc_CellDedicated, tsc_R83, c_LocUpdReq(c_MobileIdIMSI_Iv, tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tsc_LAC_Deleted, c_LocUpdTypeNormal, tcv_CS_KeySeq())	Step 14 YNAFNAS4478 YNAFNAS4479
33	+ ts_SS_SecurityDownloadStart (1cv_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

It_Par	12	· ·	
31	+ts_RRC_ConnEst(tsc_CellB, est_Reg, registration)		Step 13: MO Connection Establishme nt
32	Dc?RRC_DataInd (tov_Start:= RRC_DataInd.start)	car_initDirectTransfer(tsc_CellDedicated, tsc_R83, c_LocUpdReq(c_MobileIdIMSI_iv, ttv_CellInfoB.mcc, tsv_CellInfoB.mnc, tsc_LAC_Deleted, c_LocUpdTypeNormal, ttv_CS_KeySeq()	Step 14 WARNAS4478 WARNAS4479
33	+ ts_SS_SecurityDownloadStart (1cv_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

35	+ts_RRC_Security(tsc_Cell8, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, cs_domain)		Step 17: Security mode setting
36	DstRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMBI(tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.j)	Step 18 WAFNAS4480
37	Dc?RRC_DataInd	car_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, c_TMSI_ReallocCmpl)	Step 19

4.2.11 WA#NAS4481

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

36	DclRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdAcpTMSl(tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac))	Step 18 V(A#NAS4480
37	Dc?RRC_DataInd	car_UplinkDirecfTransfer(tsc_CellDedicated, tsc_RB3, c_TMSI_ReallocCmpl)	Step 19
38	+ts_RRC_ConnRel(tsc_CellB, cell_Dch)		Step 20: Connection Release WARNAS4481

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

		CR-Form-v7		
CHANGE REQUEST				
*	34.123-3 CR 449 #rev - #	Current version: 3.6.1 [₩]		
For <u>HELP</u>	on using this form, see bottom of this page or look at	the pop-up text over the 🕏 symbols.		
Duana and about	on effectes IUCC care 99 MEV Dedic	Access Naturals Cons Naturals		
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Title:	# Addition of P3 test case 8.4.1.37 to RRC ATS V3	3.6.1		
Source:	★ Racal Instruments Wireless Solutions, an Aerofle	ex Company		
Work item code				
Work item code	: ж <mark>N/A</mark>	Date: 第 19/08/2004		
Category:	Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: # Rel-5 Use one of the following releases: 2 (GSM Phase 2) ase) 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 cha	nge: **To add verified GCF package 3 RRC test converged V3.6.1	ase 8.4.1.37 to the approved RRC ATS		
Summary of ch	This document lists all changes applied to to approval. See detailed change description for further			
Consequences not approved:	if # Test case will not be added to ATS			
Clauses affecte	ed: # 8.4.1.37			
Other specs affected:	Y N X Other core specifications X Test specifications X O&M Specifications 34.	123-1		
Other commen	ts: # 34 123-1 needs to be aligned with this chan	nge 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:

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

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

Title: Changes to test case 8.4.1.37 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

1	Overview	3
2	Table of Contents	4
3	Verification Test Summary	5
4	Corrections required for test case 8.4.1.37	5
4.1	Introduction	5
4.2	Presentation of the modifications	5
4.3	Change 1 - test Suite Constant tsc_TpcStepSize	
4.4	Change 2 - Test case tc_8_4_1_37	7
5	Branches executed in test case 8.4.1.37	9
6	Execution Log Files	9
7	References	9

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 change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Racal conclusion	

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

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

listed only, when:

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

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

way; and

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

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

current change description applies.

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

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

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

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

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

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

giving rise to the current Change Label.

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

use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not

indicate acceptance of the change request.

4.3 Change 1 - test Suite Constant tsc_TpcStepSize

Reason for

The value of TPC Step size is defined as IE Value + 1 in 25.331. So for 1 dB step size

tsc_TpcStepSize should be set to 0

change

Summary Test suite constant **tsc_TpcStepSize** is set to 0.

of change

Constant Name	Туре	Value Reference	Comments
tsc_TpcStepSize	TPC_StepSizeFDD	± <u>0</u>	

4.4 Change 2 - Test case tc_8_4_1_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

- 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							
Tes	st Case	Id:	tc_8_4_1_37					
Test Group Reference:		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:		ion:						
Defaults:			RRC_Def1					
Comments: SIC_NAPP								
Nr	Nr Label Behaviour Description Constraint Ref Verdict Comment					Comments		
1		START t_Guar	rd					
2		[px_RAT :	: fdd]			FDD specific behaviour		
3		+lt_InitVa	riables					
4			reateCellDCH (tsc_CellA)					
5		+ts_Send	iDef_sysInfo_MultiCell (tsc_Cell%)					

6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Dch	
					to Cell_Dch	
					state and release the	
					connection again	
7		+ts_ToStateMO_CS_6_9_PS_6_100r6_11 (tsc_Cella)				
8	=	+lt_TestBody				
9	_	+po_SHO_ConnectionAndSS_Rel			Postamble :	
					To release the RRC	
					connection and all the	
					SS configuration	
					configuration	
	ERR1	[px_RAT = tdd]				
10	EKKI	[px_RAT = taa]			TDD specific behaviour	
11	ERR2	[TRUE]		I		
lt_	restBod				·	
12	TBS	(tcv_TestBody := TRUE)				
13		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated,		Step 2 in	
			tsc_RB2, cs_MeasurementControlUE_InternalMeas_Event6c		prose	
			(tcv_CellIndInfo.dl_IntegrityCheckInfo,			
			tcv_RRC_Ti, 6, eventTrigger))			
14		CPHY!CPHY_UL_PowerModify_REQ	ca_UL_PowerModify_REQ (tsc_CellA,		Step 3 in	
			tsc_DL_DPCH1, tsc_UL_DPCH1, maxMin: tpc_Down)		prose; UE transmission	
					power set to -50 dBm	
					(minimum); @sic Thomas	
					T1-041010	
					sic@	
15		CONTROLOGY II Survey 1/1/2 (AVI)	The state of the s		@sic Thomas	
15		CPHY?CPHY_UL_PowerModify_CNF	ca_UL_PowerModify_CNF (tsc_CellA, tsc_DL_DPCH1)		T1-041010	
					sic@	
Н						
16	TBP1	AM ?RLC_AM_DATA_IND (tcv_checkUETxFower:= RLC_AM_DATA_IND.aM_message.	car_MeasurementReport (tsc_CellDedicated, tsc_RB2,	(P)	Step 4 in prose	
		uL_DCCH_Message.message.measurementReport.measuredResults.ue_InternalMeasuredResults.modeSpecificInfo.fdd.ue_TransmittedPowerFDD)	<pre>cr_MeasReportUE_InternalMeas_Event6a_6b (6, c_EventResult (event6c : NULL)))</pre>			
17	TBF1	 [tev_checkUETXFower < 53]		(P)		
Ш						
18	TBP2	[(tev_eheekUETxPower →= 53) AND (tev_eheekUETxPower ←= 47) }		(P)		
Ш						
19		+to_C3_CheekCellDCH (Step 5 in	
		500_c0_5000500500 /			proser	
20	TDT1	[/ tou shook!!!!!!!!Down v 1910B / tou shook!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!		/p\		
20	TBF1	[(tcv_checkUETxPower < 18) OR (tcv_checkUETxPower > 24)]		<u>(F)</u>		
	mnn o	I / Ann she alettimen and 10 Nm / Ann she alettimen and 10		(2)		
21	TBP2	[(tcv_checkUETxPower >= 18) AND (tcv_checkUETxPower <= 24)]		(P)		
22		the off disable all rous (Chan E	
22		+ts_C3_CheckCellDCH (tsc_Cella)			Step 5 in prose;	
23	TBE	(tcv_TestBody := FALSE)		(P)		
1t_:	InitVar	iables				
24		+ ts_RRC_InitVariables (cell_DCH)				
Ш						
25	\equiv	(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

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	be fo	ound in	3GPP]	R 21.900					Rel-		(Release		
									Rel-	6	(Release	6)	
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Summary of cha	nge: #	This cappro		ent lists al	II change	es app	lied t	o tes	t case 8.4	4.1.3	88 require	ed for	
						.	£	:-					
		See d	etalled	cnange	aescripti	ion for	turtn	er ini	formation	••			
Consequences in not approved:	f ∺	Test o	ase wi	ll not be a	added to	ATS							
Clauses affected	! : ∺	8.4.1.	38										
		YN											
Other specs	æ		Othor	core spe	ocificatio	ne	¥						
affected:	<i>-</i>	X		specificat		113		34.12	23-1				
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Other comments	: ¥	34.12	3-1 ne	eds to be	aligned	with th	nis ch	nange	e. Refer to	o 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:

- 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

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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

1	Overview	3
2	Table of Contents	4
3	Verification Test Summary	5
4		5
4.1	Introduction	5
4.2		
4.3		7
4.4		7
5	Branches executed in test case 8.4.1.38	9
6	Execution Log Files	9
7	References	9

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 change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Racal conclusion	

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

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

listed only, when:

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

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

way; and

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

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

current change description applies.

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

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

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

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

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

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

giving rise to the current Change Label.

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

use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not

indicate acceptance of the change request.

4.3 Change 1 - test Suite Constant tsc_TpcStepSize

Reason for

The value of TPC Step size is defined as IE Value + 1 in 25.331. So for 1 dB step size

tsc_TpcStepSize should be set to 0

change

Test suite constant **tsc_TpcStepSize** is set to 0.

Summary of change

Constant Name	Туре	Value Reference	Comments
tsc_TpcStepSize	TPC_StepSizeFDD	<u>+0</u>	

4.4 Change 2 - Test case tc_8_4_1_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

- 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			
Tes	Test Case Id: tc_8_4_1_38					
Tes	Test Group Reference: RRC_Measurements/					
Pui	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.					EMENT CONTROL
Cos	nfigurat	ion:				
Dei	faults:		RRC_Def1			
Cor	mments:		### ##################################			
Nr	Label		Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guar	rd			
2		[px_RAT :	fdd]			FDD specific behaviour
3		+lt_InitVa	riables			

	+ts_SS_CreateCellDCH (tsc_CellA)			
	+ts_SendDef_sysInfo_MultiCell (tsc_CellA)			
	+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Dch state and release the connection again
	+ts_ToStateMO_CS_6_9_PS_6_100r6_11 (tsc_CellA)			
	+lt_TestBody			
	+po_SHO_ConnectionAndSS_Rel			Postamble : To release the RRC connection and all the SS configuration
ERR1	[px_RAT = tdd]			TDD specific behaviour
ERR 2	[TRUE]		I	
restBod	y			
TBS	(tcv_TestBody := TRUE)			
	am : RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlUE_InternalMeas_Event6d (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 6, eventTrigger))		Step 2 in prose
	CPHY:CPHY_UL_PowerModify_REQ	ea_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@
	CPHY?CPHY_UL_PowerModify_CNF	<pre>ca_UL_PowerModify_CNF (tsc_CellA, tsc_DL_DPCH1)</pre>		@sic Thomas T1-041010 sic@
TBP1	AM ?RLC_AM_DATA_IND (tov_checkUETxPower:= RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportUE_InternalMeas_Event6a_6b (6, c_EventResult (event6d : NULL)))	(P)	Step 4 in prose
TBF1	 		(F)	
TBP2	(_tev_eheekutFxPower → 30]		(P)	
	+ts_C3_CheckCellDCH (tse_CellDedicated)			Step 5 in prose:
TBF1	[tcv_checkURIXPower < 89]		<u>(F)</u>	
TBP2	[tcv_checkUETXPower >= 89]		(P)	
	+ts_C3_CheckCellDCH_(tsc_CellA_)			Step 5 in prose;
TBE	(tcv_TestBody := FALSE)		(P)	
InitVar	iables			
	+ ts_RRC_InitVariables (cell_DCH)			
	TBP1 TBP1 TBP2			

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/SIG E-Mail 2004 01 Jan - 31 Dec 2004

			(CHAN	GE REQ	UES	Т		CR-Form-v7
#	ATS <u>TS</u>	RRC 34.123- <u>3</u>	CR	456	жrev	1 4	Current vers	3.6.0	¥
For <u>HE</u>	LP on us	sing this foi	m, see	bottom o	f this page or	look at	the pop-up text	over the 光 sy	mbols.
Proposed	change a	affects:	JICC a	pps#	ME	Radio	Access Networ	k Core N	etwork
Title:	Ж	Correction	n to GC	CF P1 test	case 8.3.1.1				
Source:	ж	Anritsu Lt	d						
Work item	code: ૠ	N/A					Date: ∺	18/08/2004	
Category:	**	A (cor B (add C (fun D (edi	rection) respond dition of ctional torial m olanatio	ds to a correction of the along the diffication of the along the a	ection in an ea n of feature)		2 nse) R96 R97 R98 R99 Rel-4	R99 the following rel (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	
Reason for	r change						st CellUpdate p properly by the		sure the
Summary	of chang	e: #							
Conseque		策 Test	case v	vill fail.					
Clauses at	ffected:	₩ N/A							
Other spec affected:	cs	米 X X X X	Test	core spec specification Specification		¥			
Other com	ments:	¥							

How to create CRs using this form:

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

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

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



TSG-T Working-Group_1 SWG-SIG E-Mail 2004

T1S-0404842(8.1.1. <u>8</u>\

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	4
_	T	_
2	Tables added to iWD-TVB2003-03_D04wk31	5
3	Tables Modifed to iWD-TVB2003-03 D04wk31	5

1 Overview

This document details the changes required. This test case has been tested according to the configuration stated below:-

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

Page 5 September 8, 2004

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 rUTRA cell. 2. To confirm that the UE sends the correct uplink response message where procedure due to cell reselection			
RRC_Def1			

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

Page 6 September 8, 2004

			1
(tcv_SIB1.ue_ConnTimersAndConstants.t_312 :=			@
)			1
			I
+ts_SendDefSysInfo_NewSIB1 (tsc_CellB,			@
v_SIB1)			1
(tcv_TestBody:=TRUE)			
+lt_TestBody			F
+ts_C2_CheckCellFACH (tsc_CellA)			5
(tcv_TestBody:=FALSE)			F
+po_ConnectionAndSS_Rels			E
px_RAT=tdd]		I	ī
			k
TRUE]		I	L
			_
s_SS_SwitchCellPowerLevels (tsc_CellA, tsc_CellB)			5
ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellB, r_CellUpdateAny (tcv_CellInfoA.uRNTI,			2
llReselection), (tsc_MaxCampingTime * 1000))			t
			Ċ
			t
			c
			n
			" "
			i
			"
+ts_HO_ReconfFACH_ToFACH (tsc_CellA,tsc_CellB)			6
tb_lio_kecolifacii_loracii (tbc_cella,tbc_cellb)			I
			n
+ ts_CMAC_New_RNTI_Reconf (TRUE,			<u> </u>
c_CellB,tcv_CellInfoA.uRNTI, tcv_CellInfoB.cRNTI)			
			Ţ
			r
			F
			t
UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (2
~	tsc_CellDedicated, tsc_RB1,		2
	<pre>cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo,</pre>		J
	tcv_RRC_Ti, OMIT, OMIT, cell_FACH,		5
	OMIT, OMIT, OMIT))		"
			\ \ \

Page 7 September 8, 2004

+ts_RRC_ReceiveCellUpdateNonPeriodic (sc_CellB, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, ellReselection), (1000))		
<pre>(tcv_CellInfoB.cRNTI := tsc_New_CRNTI2)</pre>		
UM ! RLC_UM_DATA_REQ	<pre>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))</pre>	
+ts_CMAC_NewU_RNTI_Reconf (tsc_CellB, ev_CellInfoB.uRNTI, tcv_CellInfoB.cRNTI)		
START t_WaitS		
? TIMEOUT t_WaitS		(F)
AM ? RLC_AM_DATA_IND CANCEL t_WaitS	<pre>car_RRC_UtranMobilityInfoCnf (tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))</pre>	(P)
(tcv_K:=0)		
+lt_Loop_Steps_6To28		
+ts_RRC_Delay (500)		
+ts_SS_SwitchCellPowerLevels (sc_CellA, tsc_CellB)		
+ts_RRC_ReceiveCellUpdateNonPeriodic :sc_CellB, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, :llReselection),15000)		
+ts_SS_SwitchCellPowerLevels (sc_CellA, tsc_CellB)		
+ts_RRC_ReceiveCellUpdateNonPeriodic sc_CellA, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, ellReselection),15000)		
+ts_CMAC_New_RNTI_Reconf (TRUE, sc_CellA,		
v_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)		
UM ! RLC_UM_DATA_REQ ccv_CellinfoA.cRNTI := tsc_New_CRNTI2)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (

Page 8 September 8, 2004

	<pre>tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tsc_New_CRNTI2, cell_FACH , OMIT, OMIT , OMIT))</pre>		
+ta CMAC NewH RNTI Reconf			
sc_CellA, tev_CellInfoA.uRNTI, tev_CellInfoA.cRNTI			£
<pre>+ts_CMAC_New_RNTI_Reconf (FALSE, sc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)</pre>			2
START t_WaitS			
? TIMEOUT t_WaitS		(F)	
AM ? RLC_AM_DATA_IND CANCEL WaitS	<pre>car_RRC_UtranMobilityInfoCnf (tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))</pre>	(P)	6 2 0
6To28			
s_RRC_Delay (500)			
ts_SS_SwitchCellPowerLevels (tsc_CellA, tsc_CellB) +lt_Rcv_CellUpdate_Step7to28			k k c c c c
			Ü
+lt_Send_CellUpdCnf_Step8to27			2
(tcv_K := tcv_K + 1)			S 2 I (V k
[tcv_K < 5]			
GOTO TEST_LOOP			
[TRUE]			I N i
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)			C
+ts_HO_ReconfFACH_ToFACH (tsc_CellB,tsc_CellA)			

Page 9 September 8, 2004

		π
(tcv_K = 1) OR (tcv_K= 3)]		ĦΈ
ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellB, lr_CellUpdateAny (tcv_CellInfoA.uRNTI, llReselection) ,15000)		C
+ts_HO_ReconfFACH_ToFACH (tsc_CellA,tsc_CellB)		C n C
'RUE]	I	F ∈
dCnf_Step8to27		
cv_K=0]		\Box
ts_CMAC_New_RNTI_Reconf (TRUE, sc_Cella, tcv_CellinfoA.cRNTI)		C C C E S r. F U
UM ! RLC_UM_DATA_REQ		E C C
+ ts_CMAC_NewU_RNTI_Reconf (tsc_CellA, U_RNTI_4, tsc_CRNTI_Id2)		
START t_WaitS		
? TIMEOUT t_WaitS	(F)	$\neg \Gamma$
AM ? RLC_AM_DATA_IND CANCEL t_WaitS car_RRC_UtranMobilityInfoCnf (tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))	(P)	© 0 2 C
cv_K=1]		٦Ė
ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellB, vCellInfoA.uRNTI, tcv_CellInfoB.cRNTI)		C C C E R C C C C C C C C C C C C C C C
<pre>UM ! RLC_UM_DATA_REQ ccv_CellInfoB.uRNTI := tcv_CellInfoA.uRNTI) ccv_CellInfoB.uRNTI := tcv_CellInfoA.uRNTI) ccv_CellIndInfo.dl_IntegrityCheckInfo</pre>	,	C C i i @ F

Page 10 September 8, 2004

	tcv_CellInfoB.uL_ScramblingCode)),	
	(c_DL_CommonInformationDCH_DPCH_Offset (tsc_DL_DPCH1_SFP_64k_PS)),	
	<pre>(c_DL_InfoPerRL_DPCH_Offset (tcv_CellInfoB.priScrmCode, tsc_DL_DPCH1_2ndScrC, tsc_DL_DPCH1_ChC_64k_PS))))</pre>	
+ts_RRC_Delay (500)		
+ts_SS_ReConfFACH_ToDCH (tsc_CellB)		
+ts_RRC_ReceivePhyChReconfCmpl sc_CellB,tcv_RRC_RAB_Type)		
AM ! RLC_AM_DATA_REQ	<pre>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))</pre>	(P)
+ ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)		
+ts_SS_ReconfDCH_ToFACH (tsc_CellB)		
+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA, v_RRC_RAB_Type)		
cv_K=2]		
ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, v_CellInfoB.uRNTI, tcv_CellInfoA.cRNTI)		
UM ! RLC_UM_DATA_REQ cv_CellInfoA.uRNTI := tcv_CellInfoB.uRNTI)	<pre>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))</pre>	
+ts_RRC_Delay (500)		
+ts_SS_ReConfFACH_ToDCH (tsc_CellA)		
+ ts_RRC_ReceiveTrChReconfCmpl (tsc_CellA, v_RRC_RAB_Type)		
AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated,	

Page 11 September 8, 2004

	<pre>tsc_RB2, cbs_108_PhyChReconf64k_PS_DCH_ToFACH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.cRNTI))</pre>	9 7 V
+ ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)		
+ts_SS_ReconfDCH_ToFACH (tsc_CellA)		
+ts_RRC_ReceivePhyChReconfCmpl :sc_CellA,tcv_RRC_RAB_Type)		E F C
cv_K=3]		
ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellB, v_CellInfoA.uRNTI, tcv_CellInfoB.cRNTI)		C C C S S r F U
<pre>UM ! RLC_UM_DATA_REQ :cv_CellInfoB.uRNTI := tcv_CellInfoA.uRNTI)</pre>	<pre>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))</pre>	S
+ ts_CMAC_NewU_RNTI_Reconf (tsc_CellB, :v_CellInfoB.uRNTI, tcv_CellInfoB.cRNTI)		
+ ts_RRC_ReceiveRB_ReconfigCmpl (tsc_CellB)		F F C
cv_K=4]		
ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, v_CellInfoB.uRNTI, tcv_CellInfoA.cRNTI)		C C C S S P
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,	

Page 12 September 8, 2004

			_
	OMIT,		i
	tsc_CRNTI_Id2,		
	cell_FACH,		[@
	c_RB_RlsList4,		Т
	OMIT, OMIT, OMIT, OMIT)		la la
)		
	'		
			-
+ ts_CMAC_NewU_RNTI_Reconf (tsc_CellA,			
:v_CellinfoA.uRNTI, tcv_CellinfoA.cRNTI)			
+ ts_RRC_ReceiveRB_RelCmpl (tsc_CellB,			5
:v_RRC_RAB_Type)			F
			F
			llc
			c
RUE]		Ī	F
			E
iables			
s_RRC_InitVariablesPS (cell_FACH)			
			[@
<pre>:v_CellInfoA.attenuationLevel :=</pre>			llc
C_AttLevToPower60_dBm,			E
v_CellInfoB.attenuationLevel :=			
c_AttLevToPower69_dBm			
nt:			

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CHANGE REQUEST			
*	4.123-3 CR 445	#	
For HELP of	sing this form, see bottom of this page or look at the pop-up text over the 策 syn		
Title: Source:	Addition of P4 RRC test case 8.1.6.1 Racal Instruments Wireless Solutions, an Aeroflex Company		
Work item code.			
Category:	B Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) P (editorial modification) C (diditorial modification) C (editorial modification) C (editorial modification) C (functional modification) C (editorial modification)	eases:	
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 in not approved:	★ Test case will not be added to ATS		
Clauses affected Other specs affected:	 ※ 8.1.6.1 ※ X Other core specifications		
Other comments	*		

How to create CRs using this form:

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

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

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

1	Overview	3
2	Table of Contents	4
3	Verification Test Summary	5
4	Corrections required for test case 8.1.6.1	5
4.1	Introduction	5
4.2	Presentation of the modifications	5
4.3	Change 1 - ASN.1 Constraint cr_RRC_StatusCauNotCompatible	7
4.4	Change 2 - ASN.1 Constraint cr_RRC_StatusExtNotComprehended	8
5	Branches executed in test case 8.1.6.1	9
6	Execution Log Files	9
7	References	9

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 change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Racal conclusion	

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

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

listed only, when:

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

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

way; and

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

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

current change description applies.

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

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

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

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

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

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

giving rise to the current Change Label.

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

use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not

indicate acceptance of the change request.

4.3 Change 1 - ASN.1 Constraint cr_RRC_StatusCauNotCompatible

Reason for change

Summary of change

Use '*' in ASN.1 cnostraing instead of '? '

ASN.1 PDU Constraint Declaration					
Constraint Name:	<pre>cr_RRC_StatusCauNotCompatible (p_TrId: RRC_TransactionIdentifier; p_MessTyp: ReceivedMessageType)</pre>				
Group:					
PDU Name:	UL_DCCH_Message				
Derivation Path:					
Encoding Rule Name:					
Encoding Variation:					
Comments:	@SIC_NAPP				
Constraint Value					

4.4 Change 2 - ASN.1 Constraint cr_RRC_StatusExtNotComprehended

Reason for change

Summary of change

Use '*' in ASN.1 cnostraing instead of '? '

	ASN.1 PDU Constraint Declaration					
Constraint Name:	<pre>cr_RRC_StatusExtNotComprehended (p_RRC_TI : RRC_TransactionIdentifier; p_MsgType : ReceivedMessageType)</pre>					
Group:						
PDU Name:	UL_DCCH_Message					
Derivation Path:						
Encoding Rule Name:						
Encoding Variation:						
Comments:						
Constraint Value						

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

CHANGE REQUEST							CR-Form-v7						
*	3	34.12	23-3	CR	444	ж	rev	-	\mathfrak{H}	Current vers	sion:	3.6.1	*
For <u>H</u>	ELP on u	ısing t	his for	m, see	bottom o	of this pa	ige or	look a	at the	e pop-up text	over	the ♯ sy	/mbols.
Propose	d change	affect	<i>ts:</i> (JICC a	pps# <mark></mark>]	ME X	Rad	lio Ad	ccess Netwo	rk	Core N	letwork
Title:	ж	Addi	tion of	P4 RR	C test ca	ase 8.3.1	.17						
Source:	æ	Raca	al Instr	uments	s Wireles	s Solutio	ns, an	Aero	oflex	Company			
Work ite	m code: ૠ	N/A								Date: ℜ	20/	08/2004	
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	_		V3.6.1		·					e 8.3.1.17 to			
Summar	y of chang	ge: ₩	appro	val.						t case 8.3.1.	17 red	quired fo	r
Consequ not appr	ences if oved:	Ж	Test o	ase wi	ll not be a	added to	ATS						
Clauses	affected:	¥	8.3.1.	17									
Other sp	ecs	*	Y N X X	Other Test s	core spe specificat Specifica	ions	ns	æ					
Other co	mments:	\mathfrak{H}											

How to create CRs using this form:

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

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

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

Title: Changes to test case 8.3.1.17 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

1	Overview	3
2	Table of Contents	4
3	Verification Test Summary	5
4	Corrections required for test case 8.3.1.17	5
4.1	Introduction	5
4.2	Presentation of the modifications.	
4.3	Change 1 - Guard timer changed to t_Guard(2500)	7
5	Branches executed in test case 8.3.1.17	8
6	Execution Log Files	8
7	References	۶

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 change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Racal conclusion	

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

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

listed only, when:

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

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

way; and

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

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

current change description applies.

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

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

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

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

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

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

giving rise to the current Change Label.

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

use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not

indicate acceptance of the change request.

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

Guard timer too small and not correct for completion of test cases. Reason

for change

Summary Changed t_Guard value from it's default value of 300 s to 2500 s of change

	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

CHANGE REQUEST											
*	34.	123-3	CR	442	≋ re \	-	ж	Current vers	ion:	3.6.1	¥
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the \mathbb{K} symbols. Proposed change affects: UICC apps\mathbb{K} ME \mathbb{X} Radio Access Network \mathbb{C} Core Network											
Title:					se 8.3.2.9	an Aei	oflex	Company			
Work item cod					,			Date: ∺	20/0	8/2004	
Category:	De	se <u>one</u> of F (core A (core B (add C (fun D (edie etailed exp	rection) respond dition of ctional i torial mo olanatio	feature), modification odification)	ection in an o			Release: % Use <u>one</u> of 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the follo (GSM i (Relea (Relea (Relea	owing rele Phase 2) se 1996) se 1997) se 1998) se 1999) se 4) se 5)	eases:
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: ## To add verified GCF package 4 RRC test case 8.3.2.9 to the approved RRC ATS V3.6.1 See detailed change description for further information											
Consequence not approved:		₩ Test o	ase wi	ll not be a	dded to AT	S					
Clauses affect		X N/A	Other	core spec	cifications	¥					
affected: Other commer		X X	Test s	specification Specification	ons						

How to create CRs using this form:

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

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

1	Overview	3
2	Table of Contents	4
3	Verification Test Summary	
4	Corrections required for test case 8.3.2.9	5
4.1	Introduction	
4.2	Presentation of the modifications.	
4.3	Change 1 - Guard timer changed to t_Guard(2500)	7
5	Branches executed in test case 8.3.2.9	8
6	Execution Log Files	8
7	References	8

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 change="" description="" of="" reason="">.</textual>
Summary of change	<textual changes="" description="" of="" performed=""></textual>
Other affected objects	< other fields affected> (optional)
ETSI comment	
Racal conclusion	

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

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

listed only, when:

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

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

way; and

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

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

current change description applies.

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

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

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

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

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

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

giving rise to the current Change Label.

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

use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not

indicate acceptance of the change request.

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

Reason Guard timer too small and not correct for completion of test cases.

for change

Summary Changed t_Guard value from it's default value of 300 s to 2500 s

of change

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							
ж TS 34.1	123-3 CR 455 # rev - # Current versi	on: 3.6.1 [#]					
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the \mathbb{H} symbols.							
Proposed change affects: UICC apps# ME X Radio Access Network Core Network							
Title: 第 Core	prrection to Package 3 SMS test case 16.2.1.						
Source:	ite						
Work item code:	A Date: 第	20/08/04					
Deta	e <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) R98 D (editorial modification) R99 tailed explanations of the above categories can found in 3GPP TR 21.900.	R99 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)					
Reason for change: 第	 In line 3 the local tree lt_EmptyStorage(TRUE) is a storage of the UE. Further on the SMS message streecond time within the lt_AT_Init at line 10 without a between. Thus the previous step at line 3 is not need. According to the test procedure part e) a maximum retransmissions may occur. In the ATS it is possible with the pixit px_MaxCP_DataRetx. Thus it is possisend more than this maximum. If a mobile retransmits CP-DATA more than 3 times, the pass a non conformant UE by setting the value of pixit pincorrectly. (Occurs for step 45 and 86) 	orage is emptied a sending SMS in cessary. or of 3 CP-DATA e to adjust this value ble to allow a UE to en the test case will					
Summary of change: ₩	 Removed call to lt_EmptyStorage(TRUE) at line 3 f body. A note is added for the pixit px_MaxCP_DataRetx s range for the pixit is 1 to 3. 						
Consequences if	Test case may pass a non conformant UE.						
Clauses affected: 第 Other specs 第 affected:	None Y N K X Other core specifications X Test specifications						

	X O&M Specifications	
Other comments:	x	

- 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	 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	Removed call to lt_EmptyStorage(TRUE) at line 3 from the test case body.
Source of change	New change

Before:

1	START t_Guard(1200)	
2	+ts_MM_PwrOrUSIM_On(tsc_USIM_NeedRmv)	Activate the UE @sic EW ER 1526 sic@
3	+It_EmptyStorage(TRUE)	
4	(tcv_RP_OrigAddrMT:='1111111111'0, tcv_TP_OrigAddr01:='333333333'0, tcv_RP_MsgRef:='00'0)	

After:

1	START t_Guard(1200)	
2	+ts_MM_PwrOrUSIM_On(tsc_USIM_NeedRmv)	Activate the UE @sit EW ER 1526 sic@
3	(tcv_RP_OrigAddrMT:='1111111111'0, tcv_TP_OrigAddr01:='333333333'0, tcv_RP_MsgRef:='00'0)	
4	+ts_RRC_InitVariablesPS(cell_DCH)	@sic EW CR T1s040313 draft sic@

1.2 Change 2

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

Before:

px_MaxCP_DataRetx	INTEGER	PDIT Table 8.4	max. number of CP data retr unsmissions for SMS
After:			
px_MaxCP_DataRetx	INTEGER	PDIT Table B.4	max. number of CP data reth ansmissions for SMS Valid Pange: 1 to 3

CHANGE REQUEST				
[♯] TS 3	4.123-3 CR 441	Current version: 3.6.1		
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the p	оор-up text over the Ж symbols.		
Proposed change	affects: UICC apps器 ME X Radio Acc	ess Network Core Network		
Title: ₩	Addition of RRC Package 4 test case 8.1.2.3 to RRC	C ATS V3.6.1		
Source: #	Anite			
Work item code: ∺	N/A	Date: ## 20/08/04		
Category:	B Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
Reason for change: **To add verified GCF package 4 RRC test case 8.1.2.3 to the approved RRC ATS V3.6.1				
Summary of chang	This document lists all changes applied to test of See detailed change description for further information.	•		
Consequences if not approved:	光 Test case will not be added to ATS			
Clauses affected:	*			
Other specs affected:	Y N X Other core specifications Test specifications X O&M Specifications			
Other comments:	\mathbf{x}			

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

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

3GPP TSG-T1 E-Mail 2004

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

1	Overview	3
2	Table of Contents	3
3	Verification Test Summary	4
4	Corrections required for test case 8.1.2.3	4
4.1	Introduction	4
4.2	Change 1	4
4.3	Change 2	4
4.4	Change 2 Change 3	5
Bran	nches executed in test case 8.1.2.3	
5	Execution Log Files	6
5.1	Nokia 7600	6
6	References	6

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

				ď.
tsc_T300_Diff	INTEGER	1800	used with t_Dly (value in millisecond	4
			8)	ı
			timer for RRC Connection Establish	ı
			ment procedure (2000 ms - 200 ms	ı
			Tolerance)	ı
				а.

4.3 Change 2

Test step It_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 It_Local1 is modified to start the timer t_LowerBound with the val tsc_T300_Diff.	
Source of change	New change

Before:

It_Local1			
20	START t_LowerBound (tsc_T3	00_M	
	in)		

After:

It_Local1			
20	START t_LowerBound (tsc_T300_D		
	in)		

4.4 Change 3

Test step	It_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:

tt_TestBod	Υ					
13		+	ts_AT_InitConnection (tsc_CellA)			
14	TBP1	i. 6	TM?RLC_TR_DATA_IND (txv_Initial) JE_Id := RLC_TR_DATA_IND.tM_m Issage.uL_CCCH_Message.mess Ige.msConnectionRequest.initialUE Jdentity, txv_K := 1)	ellA, tsc_RB0, cdr_RRC_Conn		steps 2+3
15			REPEAT It_Local1 UNTIL (tcv_K > 1 ic_N300)			step 4
16			START t_WaitS (5)			step 5; certain amount of time sufficient for cell so lection
17	TBF3	t	TM?OTHERWISE CANCEL t_Wai		(F)	
18	TBP3		? TIMEOUT (_WaitS		(P)	
19			[tcv_CN_Domain = ps_domain])		
20			Ut ? AT_CmdCnf	ca_AT_CmdCnf_er		
21		9	+ ts_C1_CheckIdleMode (tsc_C			step 6
22			[tcv_CN_Domain = cs_domain]			
23			+ ts_C1_CheckidleMade (tsc_C			step 6

After:

Aiter:				
It_TestBo	dy			
13		+ts_AT_InitConnection (tsc_CellA)		
14	TBP1	TM?RLC_TR_DATA_IND_(icv_Initia = car_RRC_ConnReq (tsc_C UE_id := RLC_TR_DATA_IND.tM_m = eliA,		steps 2+3
15		REPEAT It_Local1 UNTIL (tcv_K > t sc_N300)		step 4
16		START 1_WaitS (5)		step 5; certain amount of time sufficient for cell se lection
17	TBF3	TM?OTHERWISE CANCEL 1_Wa	(F)	
18	TBP3	? TIMEOUT t_WaltS	(P)	
19		+ ts_C1_CheckddleMode (tsc_C ellA)		step 6

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.

CHANGE REQUEST						
[♯] TS 3	34.123-3 CR 438 # rev - # C	urrent version: 3.6.1				
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the p	op-up text over the 🛱 symbols.				
Proposed change	affects: UICC apps器 ME X Radio Acce	ess 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: 第 20/08/04				
Category:		Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)				
Reason for change	2: # To add verified GCF package 4 Test case 8.1.3.	5				
Summary of chang	This document lists all changes applied to test consequences. 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					
Other comments:	\mathbf{x}					

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

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

3GPP TSG-T1 E-Mail 2004

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

1	Overview	3
2	Table of Contents	3
3	Verification Test Summary	4
4	Corrections required for test case 8.1.3.5	4
4.1	Introduction	4
4.2	Change 1	4
	nches executed in test case 8.1.3.5	
5	Execution Log Files	6
5.1	Nokia 7600	6
6	Poforoncos	-

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	It_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

			Tes	st Case		
Test C	ase ld:		tc_8_1_3_5			
Test G	roup Refe	rence:	RRC/RRC_ConnReleaser			
Purpo	181		When the UE receives an invalid RRC CONNECTION RELI ASE COMPLETE message that includes the appropriate er		transm	it an RRC CONNECTION RELI
Config	uration:					
Defaul	ts:		RRC_Deff			
Comm	nents:					
Nr	Label		Behaviour Description	Constraint Ref	Ver	Comments
1		STAR	RT t_Guard			
2		lac.	RAT=fdd]			FDD specific behaviour
3		+18	RRC_Init/ariables (cell_FACH)			
4		+89	SS_CreateCellFACH (tsc_CellA)			Configure lower tester
5		*ts	_BendDefBysinfo (tsc_CellA)			Sends the default system infi imation in CellA
8		+1:	s_idieUpdated (tsc_CellA)			Idle Update and bring UE to ELL_FACH state and release the connection again
7		4	ts_GotoState6_2_0r6_4_MO (tsc_CellA)			@ sic Joerg T1-040304 sic @
8	TBS	0	try_TestBody:=TRUE)			
9			+ It_TestBody			
10	TBE		(tcv_TestBody=FALSE)			
11			+po_ConnectionAndSS_Rels			
12	ERR1	lac.	RAT=tdd)		1	TDD specific behaviour
13	ERR2	[TRU	.0		1	
t_Test	tBody					
14		AMIE	RLC_AM_DATA_REQ	cas_invalidDCCH_Msg (tsr_CellDedicated, tsr_R82, cs_invalidRRC_ConRet (tsr_Cel lIndinfo.di_integrityCheckinfo, tsr_RRC_Ti.))		step 8
15	TBP1	AM?	RLC_AM_DATA_IND	car_RRC_ConnRelCmpl(tac_CellDedicated , tac_RB2, cr_RRC_ConnRelCmpCauMagE xtNatCompr (tav_RRC_Tli)	(P)	step 9
16	-	+ 15,	_CRLC_RelReconfSRB (tsc_CellA)			restart RLC for the next conn- ction
17		nn)	v_CellinfoA.cellConfig := cell_DCH_StandAloneSRB_NoCo			
18		+ 1	s_C1_CheckidleMode (fsc_CellA)			step 13

	r Cha			Test Case		
Test	Case ld:		10_8_1_3_5			
		foronce	RRC/RRC_ConnRelease/			
Purpo	_		When the UE receives an invalid RRC CONNECTIO	N RELEASE message on the downlink DCCH, it is	shallt	ansmit an BBC CONNECTION BELLE
			ASE COMPLETE message that includes the approp			
Confi	guration:					
Defai	its:		RRC_Deff			
Comr	ments:					
Nr	Label		Behaviour Description	Constraint Ref	Ve	Comments
1		START	t_Guard			
2		[px_RA	T=fdd			FDO specific behaviour
3		+ts_R	RC_Init/ariables (cell_FACH)			
4		+ts_8	S_CreateCellFACH (tsc_CellA)			Configure lower tester
5		+15_3	SendDefSysInfo (tsc_CellA)			Sends the default system information in CellA
6		+ts_	IdleUpdated (Iss_CellA)			Idle Update and bring UE to CELL_F ACH state and release the connection in again
7		+ ts,	_GotoState6_2_Or6_4_MO (tsc_CelIA)			@ sic Joarg T1-D40304 sic @
8	TBS	dev	_TestBody:=TRUE)			
9		+ 1	_TestBody			
10	TBE	(fic	v_TestBody:=FALSE)			
11		*1	po_ConnectionAndSS_Rels			
12	ERR1	[px_RA	T=tdd[1	TDD specific behaviour
13	ERR2	TRUE			1	
t_Tes	stBody					
14		AMIRL	.C_AM_DATA_REQ	cas_invalidDCCH_Msg (_tsc_CellDedicate d, tsc_RB2,_cs_invalidRRC_ConRel (tcv_ CellIndinfo.dl_integrityCheckinfo,_tcv_RRC_ Ti))		step 8
15	TBP1	AM?RL	.C_AM_DATA_IND	car_RRC_ConnRelCmpl(tsc_CellDedicate d, tsc_R82, cr_RRC_ConnRelCmgCauMs gEtNotCompr (toc_RRC_Tl))		step 9
16		+ ts_0	CRLC_ReiReconfSRB (tsr_CellA)			restart RLC for the next connection
17		(try_c	CellinfoA.cellConfig := cell_FACH_NoConn)			
18		+ 10_	G1_CheckldieMode (tos_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.

CHANGE REQUEST						
ж TS 34.123-3 CF	439 ≉rev	- # Current version: 3.6.1				
For HELP on using this form, s	ee bottom of this page or	r look at the pop-up text over the 発 symbols.				
Proposed change affects: UICC	apps# ME	Radio Access Network Core Network				
Title: 第 Addition of RRG	C Package 4 test case 8.:	.2.1.4 to RRC ATS V3.6.1				
Source: # Anite						
Work item code:		<i>Date:</i> 第 20/08/04				
F (correction A (correspond B (addition C (function D (editorial	onds to a correction in an ea of feature), al modification of feature) modification) tions of the above categorie	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999)				
Reason for change: # To add ve V3.6.1	rified GCF package 4 RR	RC test case 8.2.1.4 to the approved RRC ATS				
Summary of change: # No Chang	•					
Consequences if # Test case not approved:	will not be added to ATS					
affected: X Tes	er core specifications of specifications M Specifications	×				
Other comments: #						

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

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

3GPP TSG-T1 E-Mail 2004

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

1	Overview	3
2		
3	Verification Test Summary	
4	Branches executed in test case 8.2.1.4	
5	Execution Log Files	
5.1	Nokia 7600	
5.2	Motorola 3G UE A835	
6	References	4

3 Verification Test Summary

Test Case: tc_8_2_1_4

Test Group:RRC/RRC_RAB_EstablishmentATS 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.

CHANGE REQUEST					
ж TS 34.123-3	CR 440 ** rev	-			
For <u>HELP</u> on using this for	m, see bottom of this page or loc	k at the pop-up text over the ₩ symbols.			
Proposed change affects:	UICC apps# ME R	adio Access Network Core Network			
Title: 第 Addition of	RRC Package 4 test case 8.2.1.	7 to RRC ATS V3.6.1			
Source: # Anite					
Work item code: 第 N/A		<i>Date:</i>			
F (cor A (cor B (add C (fun D (edi Detailed ex	the following categories: rection) responds to a correction in an earlier dition of feature), ctional modification of feature) itorial modification) planations of the above categories ca 3GPP TR 21.900.	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999)			
Reason for change: # To add verified GCF package 4 RRC test case 8.2.1.7 to the approved RRC ATS V3.6.1					
-	nanges are required in the wk31	TTCN.			
Consequences if # Test of not approved:	case will not be added to ATS				
Clauses affected: 第 Other specs	•				
Other comments: #					

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

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

3GPP TSG-T1 E-Mail 2004

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

1	Overview	. 3
2	Table of Contents	. 3
3	Verification Test Summary	. 4
4	Branches executed in test case 8.2.1.7	. 4
5.1	Execution Log Files Nokia 7600	. 4
5.2	Motorola 3G UE A835	. 4
6	References	_ 4

3 Verification Test Summary

Test Case: tc_8_2_1_7

Test Group:RRC/RRC_RAB_EstablishmentATS 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.

CHANGE REQUEST CR-Form-v7							
[₩] TS	34.123-	3 CR 454	≋rev	- %	Current vers	ion: 3.6.1	ж
For <u>HELP</u> or	using this i	form, see bottom o	of this page or	look at the	pop-up text	over the 🕱 syr	nbols.
Proposed chang	e affects:	UICC apps第	ME	Radio Ac	cess Networ	k Core Ne	etwork
Title:	第 Correction	on to NAS test cas	ses 9.4.2.3 (P2), 9.4.2.4 F	Proc 2 (P2), a	and 12.4.1.1a (P1)
Source:	器 Rohde &	Schwarz					
Work item code:	₩ <mark>N/A</mark>				<i>Date:</i> ♯	24/08/2004	
Category: Reason for chan	F (c) A (d) B (a) C (f) D (e) Detailed e be found ge: 第 To e sen	of the following cate orrection) corresponds to a condition of feature), unctional modification explanations of the ain 3GPP TR 21.900 correct approved I ding of SIB4. In the se IEs are not omit	rrection in an ear on of feature) n) above categories c.	s can s 9.4.2.3, 9 s one or mo	2) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	hanged in SIB3	a for the 3; as
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.					Proc 2,		
Consequences in not approved:	f # Tes	t case may fail co	nformant UE.				
Clauses affected	: ₩ <mark>N/A</mark>						
Other specs affected:	*	N X Other core specificat X C&M Specificat	tions	麗			
Other comments		C160 have alread		l this chang	ge in their AT	S week 34 rel	ease as

- 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, t SIB needs to be changed the same way.	
Summary of change	test step lt_ChangeSIB3 renamed to lt_ChangeSIB3and4 (when used and when specified) change applied to SIB3 applied to SIB4 as well	
Source of change	new change	

Before Change:



After Change:

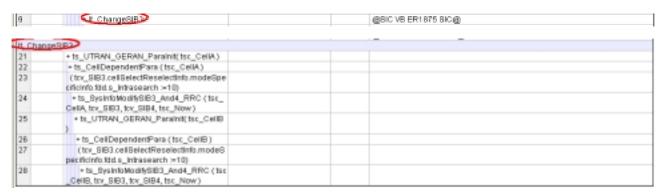
10	4 t_ChangeSIB3and4	gaic ve eriers sice
		@SIC EW ER1955 SIC@

Chan	geSBOandO		
31	+ ts_UTRAN_GERAN_Parainit(tsc_CeltA)		
32	+ts_CeliDependentPara (tsc_CeliA)		
33	(fcv_SIB3.ceItSelectReselectinfo.modeSpecific		
	Info frid a Interpetation - 1.0)		
34	[1cv_8iB4.cellBelectReselectInfo.modeSpet15	@SIC EW ER1955 SIC@	
	Ifferiod a_internoona = 10;		
35	+ ts_8ysInfsModify8IB3_And4_RRC (tss_Cell		
	A, tcv_SIB3, tcv_SIB4, tsr_Now)		
36	 ts_UTRAN_GERAN_Parainit(tsc_CellB) 		
37	+ ts_CellDependentPara (tsc_CellB)		
38	(tov_SIB3.cellSelectReselectInfo.modeSpec		
	Spring Add o Prince and 1 - 10)		
39	(tov_SIB4.cellSelectReselectinfo.modeSpe)	@BIC EW ER1955 BIC@	
	Select fild s. Intersearch = 10)		
40	 ts_SysinfeModifySIB3_And4_RRC (tac_0 		
	#IB, tov_SIBQ, tov_SIB4, tsc_Now)		

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	test step lt_ChangeSIB3 renamed to lt_ChangeSIB3and4 (when used and when specified) 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	test step lt_ChangeSIB3 renamed to lt_ChangeSIB3and4 (when used and when specified) changes applied to SIB3 applied to SIB4 as well	
Source of change	new change	

Before Change:



t Char	ngeSIBD	
80	+ ts_UTRAN_GERAN_Parainit(tsr_CeliA)	
B1	+ ts_CellDependentPara (tss_CellA)	
82	(try_SIB3.celSelecReselectinfo.modeSpe pficiefs.fdd.s_infrasiearch =10, try_SIB3.celSelecReselectinfo.modeSpeci ficinfo.fdd.s_infersearch = 10)	
0:3	ts_SystnfoModifyStB3_And4_RRC (tec_ CellA, tov_StB3, tov_StB4, tor_Now)	
84	ts_UTRAN_GERAN_Parainit(tst_CellB)	
85	ts_CellDependentPara (tsc_CellB)	
DG	(tov_SB3 cell@elecReselectinfo modeS posificinfo.fidd.s_intrasearch = 10, tov_SB3 cell@elecReselectinfo.modeSpeci ficinfo.fad.s_intersearch = 10)	
87	+ ts_SysinfoModifySB3_And4_RRC (tsc _CellB, tcv_SiB3, tcv_SiB4, tsc_Now)	
88	+ ts_UTRAN_GERAN_Parainit(tss_Cell D)	
89	+ ts_CellDependentPara (tsc_CellD)	
90	(1tv_SIB3.cellSelertReselectInfo.mode Specificinis fidd.s_intrasearch =10, 1tv_SIB3.cellSelectReselectInfo.modeSpeci ficinfo.fdd.s_intersearch := 10)	
91	+ ts_SysinfoModifySIB3_And4_RRC (t sc_CellD, tov_SIB3, tzv_SIB4, tsc_New)	

After Change:

5	+ ChangeGIR3and	@sic VB ER1875 sic@ @SIC EW ER1955 SIC@	
E Char	ned Risade		
80	+ ts_UTRAN_GERAN_Parainit(tsc_CellA.)		
81	• Is_CeliDependentPara (tsc_CeliA)		
82	(try_SIB3 cellSelectReselectInformatieSpecific ionforfidis_inforecentri >=10, try_SIB3 cellSelectReselectinformadeSpecifici nfo.fdg_s_barecentri ==50,		
83	(Xv_SiB4.cellSelectReselectInfo.modeSpecific info.tdd.s_infoasaarch > 10, Iv_SiB4.cellSelectReselectInfo.modeSpecific info.tdbs_becastchi	@SIC EW ER1965 SIC @	
84	+ ts_BysinfoModifySIB3_And4_RRC (tsc_Ce IIA, tov_SIB3, tov_SIB4, tsc_New)		
85	+ ts_UTRAN_GERAN_Parainit(tsc_CellB)		
06	 ts_CellDependentPara (tsc_CellB) 		
87	(trv_SIB3.celiSelecReselectinfo.medeSpe cificinto tatas_inthrasearch = 10, trv_SIB3.celiSelectReselectinfo.medeSpecifici rgside4marriserch = 10)		
88	(1cv_SB4.cellSelectReselectInfo.modified eathernfo.flot.s_info.search :=10, lbv_SB4.cellSelectReselectInfo.modeSpec.ed flot.sea.cellselectReselectInfo.modeSpec.ed	@SIC EW ER1955 SIC @	
89	+ts_SysinfoModifySB3_And4_RRC (tsc_ Ce88, tov_SB3, tov_SB4, tsc_Now)		
90	+ ts_UTRAN_GERAN_Parainit(tsc_CellD		
91	+ts_CeliDependentPara (tsc_CeliD)		
92	(fby_SB3.celtSetectPesellectInfo.modeS psc@cinfo.fdd.s_infraseserch =10, fby_SB3.celtSetectResellectinfo.modeSpecifici rfg_SB4.e_intereserch = 10)		
93	(kv_SB4.celSetectPesstectInfo.moSe Specificinfo.fdd s_infrassarch =10, kv_SB4.celSetectResstectinfo.modeSecurit Nos44c_kdrepparch = 100	@SIC EW ER1955 SIC@	
94	 ts_SysinfsModifySED_And4_RRC (ts c_CelD, tox_SE2, tox_SE4, tsc_Now) 		

CHANCE DECLIEST								
	CHANGE REQUEST							
*	TS 34.	.123-3	CR 432	≋rev	- #	Current vers	3.6.0	¥
For <u>HEI</u>	LP on usin	g this for	m, see bottom	of this page or	look at the	e pop-up text	over the % syr	nbols.
Proposed of	change aff	ects: U	IICC apps業	ME	Radio Ad	ccess Networ	rk Core Ne	etwork
Title:	₩ <mark>A</mark> d	ddition of	RRC test case	8.2.2.4 to RR0	C ATS V3.	6.0		
Source:	₩ <mark>R</mark> e	ohde & So	chwarz					
Work item	code: Ж <mark>N</mark> /	/A				Date: ₩	25/08/2004	
	De be change:	se one of the F (correct A (correct A (correct B (add b C (fund b C (fund b C (fund b C (add b C))))))))))))))))))	esponds to a contition of feature), etional modification or all modifications of the algory TR 21.900 diverified GCF	rrection in an ear on of feature) above categories package 4 RR	s can C test case	Use <u>one</u> of 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	R99 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) The approved RI	RC ATS
, ·			etailed change				. 10 45	PP : 2 : 2
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Clauses all	ecteu.	oto IN/A						
Other spec affected:	·s	米 X X X X	Other core specification	tions		nge mentione ose CR	ed in sec 4.3 wi	ll require
Other com	ments:	₩ Prose	CR will be rais	ed by R&S for	change m	entioned in s	ection 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 \$\mathbb{K}\$ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

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

Title: Changes to test case 8.2.2.4 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.2.2.4 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 8.2.2.4	2
4.1	Introduction	
4.2	tc_8_2_2_4: lt_LocalTest (WA#RRC4401)	
4.3	Tc_8_2_2_4: lt_RB_Reconfig (WA#RRC4404)	
4.4	tc_8_2_2_4 : lt_RB_Reconfig (WA#RRC4402)	3
4.5	Tc_8_2_2_4: lt_SendCellUpdateConfirm (WA#RRC4406)	4
4.6	Tc 8 2 2 4 : It LocalTest WA#RRC4403	
4.7	tc_8_2_4 (WA#RRC4406)	
5	Branches executed in test case 8.2.2.4	6
6	Execution Log Files	6
6.1	Nokia 6630 3G UE	6
6.2	Motorola A845 3G UE	
7	References	6

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 : It_LocalTest (WA#RRC4401)

Test step name Tc_8_2_2_4 : It_LocalTest

Reason for change The activation time must be calculated just before the RB reconfig message is

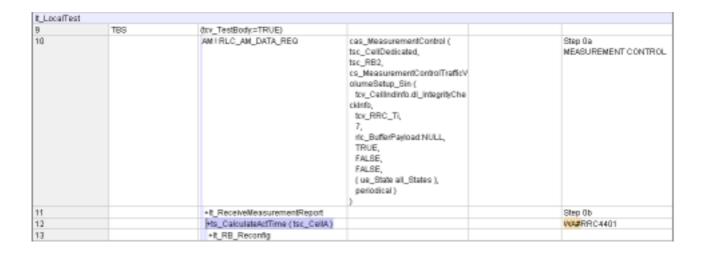
sent

Summary of change Removed the activation time test step before meas control message and

added it after It_ReceiveMeasurementReport

Source of change New change

Label WA#RRC4401



4.3 Tc_8_2_2_4: It_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

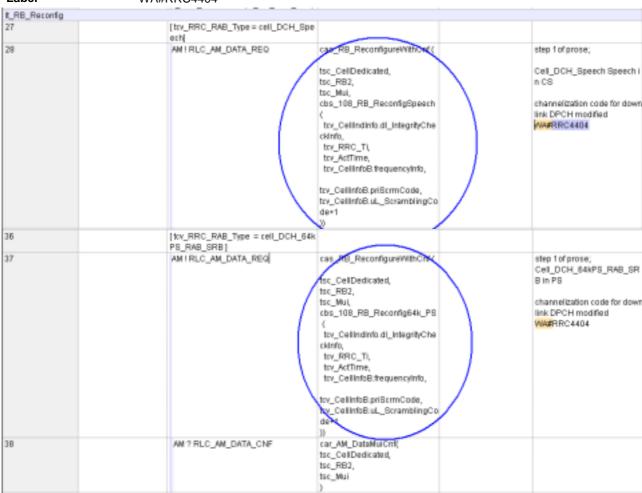
reconfiguration failure message. Since there are no physical channel modification the UE would reconfigure the RB and send out RB reconfig complete message. The SS will not receive this message as the DL-DPCH channelisation code is modified. This would result in no RB reconfig failure

message after the cell update confirm message

about cell-B (freq info and UL-scrambling code)

Source of change New change

Label WA#RRC4404



4.4 tc_8_2_2_4: lt_RB_Reconfig (WA#RRC4402)

Test step name tc_8_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

It_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#F	RRC4402
------------	---------

12	+ts_CalculateActTime (tsc_CellA)	WAFRRC4401
13	±II_R9_Records	
14	+ts_SS_RecomDCH_ToFACH_CS_ PB (tsr_CellA)	WAFRC4402
15	eriodic (tor_CellA, cbr_108_CellUpdate (tov_CellintoA uRNTI, radiolinisFailure) _15000	step 3 in prose; IE "Cell upda te cause" set to "Radio Link Fallure"

4.5 Tc_8_2_2_4: It_SendCellUpdateConfirm (WA#RRC4406)

Test step name Tc_8_2_2_4 : It_SendCellUpdateConfirm

Reason for change The Cell Update confirm message does not match the local configuration

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

42	[tcv_CellinfoA.cellConfig = cell_DCH_Speech]		
13	UM I RLC_UM_DATA_REG	cas_RRC_CellupdateCnf(tsc_CellDedicated, tsc_RB1, tsc_RB1, tsc_BB1_CellUpdateCnfDCCH(trv_Cellindaded_IntegrityCheckant), tsv_RRC_Ti, OMIT, OMIT, OMIT, U_DPCH_Info:(cb_UL_DPCH_Info(tsc_UL_DPDCH_SF_Sp eech, p10_B4_tov_CellindaAuL_ScramblingCode)), cd_DL_CommoninformationDCH_DPCH_Offset (tsc_DL_DPC H1_SFP_Speech), c_DL_InformationPerRL (tov_CellinfoApriScrmCode, tsc_DL_DPCH1_ChC_Speech, tsc_DL_OPCH1_ChC_Speech, tsc_DL_OPCH1_2ndSerC()))	Step 4 VVA#RRC4406
46	[tov_CellinfoA.cellConfig = cell_DCH_64kPS_RAB_SR8]		
47	UMIRLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH(tcv_CellIndinfo.dl_integrityCheckInfo, tcv_RRC_Ti, OMIT, OMI	Step 4 WARRC4406

4.6 Tc_8_2_2_4 : It_LocalTest WA#RRC4403

Test step name Tc_8_2_2_4 : It_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		+ It SandColUpdateComm		step 4
18		+fs_RRC_Delay (tsx_WaltBeforeFACH_Conf)		YWWRRC4403
19		+ ts_CRLC_ReconfRLC_Size(FALSE)		
20		ats_SS_ReconfFACH_ToDCH_CS_PB (tsc_CellA)		WAMPRO4403
21		+ ts_RRC_ReceiveFtryONReconformpf (ISC_CeIA, Icx_CelInfoA		step 6 in prose;
		celConfig)		
22		AM ? RLC_AM_DATA_IND	car_R8_RecomFail(tar_CellDedicated, r8_identity tac_R82, cr_108_R8_ReconfigFail (ltv_RRC_Ti, physical ChanneFailure : NULL)	Step 7 in prose;
23		+It_ReceiveMeasurementReport		Step B
24	TBE	@rv_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

It_SS_DPCH_ChannelizationCodeModify,

lt_SS_DPCH_ChannelizationCodeModify1, lt_SetDL_RL_Param1, and

It_SetDL_RL_Param.

Source of change New change

Label WA#RRC4406

	Test Case						
Test Case ld:	tr. 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 reconfigure the new radio bearer and a subsequent failure to revert to the old configuration.						
Configuration:							
Defaults:	RRC_Defi						
Comments:	GRIC MAPP WWW.FRC4405						

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					
ж TS 34	.123-3 CR 433	Current version: 3.6.0			
For <u>HELP</u> on usir	ng this form, see bottom of this page or look at the	pop-up text over the ₩ symbols.			
Proposed change aff	fects: UICC apps# ME Radio Acc	cess Network Core Network			
Title:	ddition of RRC test case 8.2.6.12 to RRC ATS V3.	6.0			
Source:	Rohde & Schwarz				
Work item code:	I/A	Date: 第 25/08/2004			
D be	## Ise one of the following categories: F (correction)	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)			
Summary of change:	V3.6.0 This document lists all changes applied to test approval. See detailed change description for further info	·			
Consequences if not approved:	光 Test case will not be added to ATS				
Clauses affected:	₩ <mark>N/A</mark>				
Other specs affected:	Y N X Other core specifications				
Other comments:	x				

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 8.2.6.12 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.2.6.12 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 8.2.6.12	2
4.1	Introduction	2
4.2	tc 8 2 6 12 (WA#RRC4407)	2
4.3	tc 8 2 6 12 (WA#RRC4409)	2
4.4	tc_8_2_6_12 (WA#RRC4410)	3
4.5	tc_8_2_6_12 (WA#RRC4516)	3
5	Branches executed in test case 8.2.6.12	4
6	Execution Log Files	4
6.1	Nokia 6630 3G UE	4
6.2	Motorola A845 3G UE	4
7	References	5

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	+It_RRC_init/ariables	Initial Test Case Variables
4	+pr_GataState5_9_Or5_10_MO (1sc_ CellA1	Goto State 6-10
5	+ts_88_CreateCellFACH (tsc_CellB	Configure lower tester of cell B
		WARREC4407
6	+ts_SendDefSysInfo (tsc_CellB)	Send the default system infor mation 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

17		+ts_88_Recom/DCH_ToFACH (tac_C ellA)			SS reconfigure the Physical C hannel
18	TBP1	+ts_RRC_ReceivePhyChReconfCmp I_(tae_CellA_tov_CellInfoAcetConfig)			step 3
19		+ts_RRC_Delay (250)			WOJERRC4409
20		AMURIC AM DATA RED	cas_PhyChReconf (tsc_cellDesicated, tsc_R82, tbs_108_PhyChReconf64k_P8 _FACH_ToDCH (step 4
21		+ts_RRC_Delay (tsc_WaitBeforeFA CH_Conf)			WA#RRC4410
22		+1s_55_0w/khColiPoworEcrets (1 sc_CellA, tsc_CellB)			step 4 Reverse in power levels
23		START t_UpperBound ((fsc_MaxC ampingTime * 1000))			
24	TBF1	? TIMEOUT t_UpperBound		(F)	

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, tov_CellInfoB.uRNTI ,tov_CellInfoB.cRNTI)		SS reconfiguration
49	UMIRLC_UM_DATA_REQ	cas_RRC_CellUpdateCntDCCH (tac_CellDedicated, tac_RB1, tac_RB1, tac_RB1, tac_Cellindonto_di_IntegrityCheckinfo, tac_Cellindonto_di_IntegrityCheckinfo, tac_Cellindonto_RNTI, tac_Cellindon.eRNTI, cell_FACH, OMIT, OMIT, OMIT) }	step 8
50	(+ts_RRC_Delay (30)		WAFREC4515
51	FIS_CHAC_New_RMTI_Reconf (FALSE, tac_CellB, tov_CellInfoB.uRN TI_tov_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

CHANGE REQUEST				
ж <mark>ТS 34.</mark>	<mark>123-3</mark> CR ⁴³⁰ жі	rev - # Cu	urrent version: 3.6.0 ³	
For <u>HELP</u> on usin	g this form, see bottom of this pa	ge or look at the p	op-up text over the ૠ symbols.	
Proposed change affe	ects: UICC apps器 N	ME Radio Acce	ess Network Core Network	
Title: # Ac	ddition of NAS test case 12.9.3 to	NAS ATS V3.6.0		
Source: # Ro	ohde & Schwarz			
Work item code: 器 N/	'A		<i>Date:</i>	
De be	se one of the following categories: F (correction) A (corresponds to a correction in B (addition of feature), C (functional modification of feature) D (editorial modification) etailed explanations of the above cate	an earlier release) ure) egories can	elease: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	
-	 To add verified GCF package V3.6.0 This document lists all change See detailed change description 	s applied to test ca	ase 12.9.3 required for approval.	
Consequences if not approved:	光 Test case will not be added to	ATS		
Clauses affected:	₩ N/A			
Other specs affected:	Y N X Other core specification Test specifications O&M Specifications	ns #		
Other comments:	∺			

How to create CRs using this form:

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

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

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

Title: Changes to test case 12.9.3 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 12.9.3	2
4.1	Introduction	2
4.2	ts_GMM_DetachOnSwitchOff (WA#NAS4453)	
4.3	tc_12_9_3	
4.3.1	WA#NAS4534	3
4.3.2	WA#NAS4628	4
4.3.3	WA#NAS4629	4
4.3.4	WA#NAS4593	4
4.3.5	WA#NAS4462	4
4.3.6	WA#NAS4467	
5	Branches executed in test case 12.9.3	
6	Execution Log Files	6
6.1	Nokia 6630 3G UE	6
6.2	Motorola A845 3G UE	6
7	References	6

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 switch ed off
3	+ts_SetTmpCellinfo (p_Cellid)	Get Cellinfo to be used la ter
4	+It_Init_RRC_RelStatus	
5	*ts_MMI_UE_SwitchOff	
6	+ts_RRC_ConnEst(p_Cellid, est_MO, detach)	
7	[ftry TropCellinfo.ntf-lag - tar_AttOff) AND (ftry_TmpCellinfo.nmo = tar_NMO_II)]	ATT flag is not set, only OPRS detach is req uired www.nas.4463
0	+it_Detach_PSonly	
9	+ts_RRC_ConnRel_AfterSwitchOff(p_Cellid, tcv_RRC_RelS tatus)	
10	[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellInfo.nmo = tsc_NMO_l)]	If UE is in operation mod e A and network mode of operation is I, then run combined PS/C S procedures.
11	+It_Detach_NMO_I	

4.3 tc_12_9_3

4.3.1 WA#NAS4534

tc_12_9_3: It_TestBody Test step name

Due to previous Service reject message UE would start CS registration & therefor Attach should not be triggered at this point Reason for change

Removed "ts_GMM_AT_Attach_IfNotAutomatic" before +lt_Attach_Steps_14To17 Summary of change

New change Source of change

Label WA#NAS4534

		Test Case	
Test Case ld: Test Group Reference: Purpose:	st Oroup Reference: OMM/ServiceRequest_procedures/		
Configuration:	TO SOCIATE DETINATION OF	are of mien his namen rejects the serins reque	or procedure man cause meganino :
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 WARNAS4534			
31		+ts_VerifyNoAccess (30)	Step 22. Verify UE does no tattempt to access the neb ork (for 30s)
32	UE)	+ ts_MM_PwrOrUSIM_Off (TR	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	RUE)	+Is_MIK_FWOIUSIN_On (T	@sic ∀B USIM removal sic @
34		+It_Attach_Steps_14To17	Steps 26 to 20 (identical si gnalling as in steps 14 to 7)

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
		START t_G(anti(500)			WA#NAS4628
2		+ts_InitVariables			
)		(tcv_CellinfoAnmo := tsc_NMO_ll)			Test case specific cell settings
		+ ts_GMM_SetOpModeC_OnA			The UE is set in UE operation mode A if supported, offi erwise it is set to UE opera- tion mode C.
5		+ts_GMM_Config_CellA			Configure cell A
i		+ts_idleUpdated (tsc_CelIA)			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 (It_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_Cets)	Turn off and detach
10	*It_TestBody	WA#NAS4629
11	Inc_SupportOpModeC_abtOpc_ SupportOpModeA	Step 36: Repeat test body i n UE operation mode A (if U E supports this mode). @sic VB T1-040951 sic@
12	+it_TestBody	
13	+po_ConnectionAnd88_Rels	
14	[TRUE]	do nothing
15	+pa_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"

New change Source of change

Label WA#NAS4462

Label	WARINAGTTOL	
20	+It_SeniceRej	Steps 8 and 9
21	+ts_AT_OrgPS_Call (tsc_CellA)	Step 10. Trigger a PDP con text activation via AT comm and
22	Ut ? AT_CmdCnf ca_AT_CmdCnf	WARNAS4593
23	rts_Marit#NoAccess (30)	Step 11. Verify UE does no t attempt to access the netw ork (for 30s)
24	+ts_GMM_SwitchOrPwrOff	Step 12
25	+ts_MMI_UE_SwitzhOn	Step 14. Switch on UE and aftempt to initiate the attach procedure. WARNAS4462
26	+It_Attach_Steps_14To17	Steps 14to 17
27	+ts_AT_OrgPS_Call (tss_CellA	Step 18. Trigger a PDP con text activation via AT comm and
28	+It_ServiceRej	Steps 19 and 20
29	A) +ts_AT_OrgPS_Call (tsr_Cell	Step 21. Trigger a PDP con text activation via AT comm and
30	Ut?AT_CmdCnf ca_AT_CmdCnf	WARNAS4593
31	te_VerifybloAccess (30)	Step 22. Verify UE does no t attempt to access the netw ork (for 30s)

4.3.6 WA#NAS4467

tc_12_9_3: It_ServiceRej Test step name

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

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

New change Source of change

Label WA#NAS4467

Labei	WA#INA54407		
tt_ServiceRej	1000		· ·
51	+ts_RRC_ConnEst(tsc_CellA, est_M0, 7)		
52	Dr ? RRC_DataInd (trv_Start:= RRC_DataInd.start)	car_PS_InifDirecfTransfer(1sc _CellDedicated, tsc_R83, cr_S erviceRequest(c_ServiceTypeSignalling, c_MobileIdPTMSI_W(tcv_Assi gnedPTMS(, tcv_PS_KeySeq)	Step 8 and 19. SERVICE R EQUEST - Service type is 'Signalling' - Mobile ld is current P-TMS
53	 ts_SS_SecurityOovenloadStart (ps_ domain, trv_Start) 		
54	Dc I RRC_DataReq	ca_PB_DataReq(tsc_CellDed loated, tsc_RB3, cs_ServiceReject(1030))	Step 9 and 20. SERVICE R EJECT - reject cause = 'lliegal UE'
55	(fcv_PS_KeySeq := '111'B)		WARNAS4467
56	He_RRC_Connfinidee_CellA, cell_ Doh)		
57	Ut 7 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

CHANGE REQUEST				
ж TS 34.	<mark>.123-3</mark> CR ⁴³¹ ж।	rev - # Current ve	ersion: 3.6.0 [#]	
For <u>HELP</u> on using	ng this form, see bottom of this pa	ge or look at the pop-up te	ext over the % symbols.	
Proposed change affe	ects: UICC apps#	ME Radio Access Netv	vork Core Network	
Title: ж Ас	ddition of NAS test case 12.9.4 to	NAS ATS V3.6.0		
Source: # Ro	ohde & Schwarz			
Work item code:	/A	Date:	35/08/2004	
De be	See one of the following categories: F (correction) A (corresponds to a correction in B (addition of feature), C (functional modification of feature) D (editorial modification) etailed explanations of the above categories: found in 3GPP TR 21.900.	an earlier release)	of the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	
Summary of change:	W3.6.0 This document lists all change See detailed change description	• •	9.4 required for approval.	
Consequences if not approved:	策 Test case will not be added to	ATS		
Clauses affected:	₩ <mark>N/A</mark>			
Other specs affected:	X Other core specification X Test specifications O&M Specifications	ns #		
Other comments:	x			

How to create CRs using this form:

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

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

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

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

Title: Changes to test case 12.9.4 required for approval

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger

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1 Overview

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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 12.9.4	2
4.1	Introduction	2
4.2	ts_GMM_DetachOnSwitchOff (WA#NAS4453)	
4.3	tc_12_9_4	3
4.3.1	WA#NAS4630	
4.3.2		3
4.3.3	B WA#NAS4535	4
4.3.4		4
4.3.5		
5	Branches executed in test case 12.9.4	6
6	Execution Log Files	6
6.1	Nokia 6630 3G UE	
6.2	Motorola A845 3G UE	
7	References	6

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 switch ed off
3	+ts_SefTmpCellinfo (p_Cellid)	Get Cellinfo to be used la ter
4	+it_Init_RRC_ReiStatus	
5	*ts_MMI_UE_SwitchOff	
6	+ts_RRC_ConnEst(p_Cellid, est_MO, detach)	
7	[fity TmpCellinfo.nmo = tsc_NMO_I0]	ATT flag is not set, only GPRS detach is req- uired www.as4463
8	+it_Detach_PSonly	
9	+ts_RRC_ConnRel_AfterSwitchOff(p_Cellid, tcv_RRC_RelS tatus)	
10	[(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellInfo.nma = tsc_NMO_())	If UE is in operation mod e A and network mode of operation is I, then run combined PS/C S procedures.
11	+it_Defach_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

	***	11710 1000			
		Test	Case		
Test Case Id:	tc_12_9_4				
Test Group Reference	CMM/ServiceReque	st_procedures/			
Purpose:	To test the behavior	ur of the UE when the network rejects the se	rvice request procedure with cau	se PS senices not alli	owed 1.
Configuration:					
Defaults:	NAS_OtherwiseFall	l			
Comments:	@BIC_NAPP				
	Initial conditions				
	- 88 : Two cells ape	- SS : Two cells operating in network operation mode II			
	- UE : The UE has a	i validP-TMSI, P_TMSI signature, RAI and GR	'RS ciphering key sequence nun	nber	
Nr	Label	Bahaviour Description	Constraint Ref	Verdict	Comments
1		STJRT1_Guard(500)			YAMPNAS463D
2		+ts_init/artables			
3		(tzv_CellinfoA.nmo := tsc_NMO_li)			Test case specific cell settings
4		+ts_GMM_SetOpModeC_OsA			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

NAS4594

20	+it_ServiceRej	Steps 8 and 9
21	+ts_AT_OrgPS_Call (tss_CellA)	Step 10. Trigger a PDP conte
		xt activation via AT command
22	Ut ? AT_CmdCmf Ea_AT_CmdCmf	WARNAS4594
23	*ls_Ver##4a/sress (30)	Step 11. Verify UE does not a
		flempt to access the network
		(for 30s)
24	+ ts_GMM_Bwitch OrPwrOff	Steps 12
25	+ts_MMI_UE_8witchOnTriggerGM	Step 14. Switch on UE and at
	M_Attach	tempt to initiate the attach pro
		cedure.
26	+t_Attach_Steps_15To17	Btaps 15 to 17
27	+ts_AT_OrgPS_Call (tsr_CellA)	Step 18. Trigger a PDP conte
		xt activation via AT command
28	+t_SaniteRej	Steps 19 and 20
29	+ts_AT_OrgPS_Call (tsr_CellA)	Step 21. Trigger a PDP conte
		xt activation via AT command
30	Ut 9 AT_CmdCnf sa_AT_CmdCnf	YAMPIAS4594
31	+ts_VerifyNoAccess (30)	Step 22. Verify UE does not a
		flempt to access the network
		(for 30s)

4.3.3 WA#NAS4535

Test step name tc_12_9_4 : lt_TestBody

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

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

t_ServiceRej			
47	+ts_RRC_ConnEst(tss_Cel/A, est_M0, 7)		
48	Dc ? RRC_Dataind (tov_Start:= RRC_Dataind start)	car_P8_InitDirectTransfer(tsc_ CellDedicated,tsc_R83, cr_Ser viceRequest(c_ServiceTypeSignalling, c_MobiledPTMSI_Iv (tcv_Assig nedPTMSI), tcv_P8_KeySeq)	SERVICE REQUEST - Service type is 'Signating' - Mobile Id is current P-TMS
49	+ ts_88_SecurityDownload8tarf (ps_d omain, to: Start.)		
50	De l RRC_DataReq	rs_P8_DataReq(tsc_CellDedic ated, tsc_R83, rs_BerviceReject (170 170	SERVICE REJECT - reject cause = OPRS services not allowed*
51	@nv_P8_KeySeq = 1119)		VM#NAS4472
52	de_RRC_ComReigne_Cotts; cs1_0		
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

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

CHANGE REQUEST					
[♯] TS 3	.123-3 CR 436	3.6.0 [#]			
For <u>HELP</u> on u	ng this form, see bottom of this page or look at the pop-up text	over the X symbols.			
Proposed change	fects: UICC apps# ME Radio Access Netwo	rk Core Network			
Title: ∺	ddition of RAB test case 14.2.40 to RAB ATS V3.6.0				
Source: #	cohde & Schwarz				
Work item code: ₩	I/A Date: ₩	16/08/2004			
Category: #		the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)			
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 flot be added to ATS				
Clauses affected:	₩ <mark>N/A</mark>				
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications				
Other comments:	#				

How to create CRs using this form:

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

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

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

3GPP TSG-T1 E-Mail 2004

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

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.40 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

1	Overview	1
2	Table of Contents	. 1
3	Verification Test Summary	2
4	Corrections required for test case 14.2.40	2
4.1	Introduction	2
4.2	ts_SendRB_SetUpDCH_Speech (WA#RAB4487)	2
4.3	c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)	3
4.4	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (WA#RAB4318)	4
4.5	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 (WA#RAB4328)	5
4.6	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)	5
4.7	tc_14_2_40 (WA#RAB4335)	6
4.8	ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_64k (WA#RAB4488)	6
5	Branches executed in test case 14.2.40	7
6	Execution Log Files	7
6.1	Execution Log Files	7
7	References	7

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

 $\hbox{``c_DL_AddReconfTransChInfoListTM3_RM192"}\ ,\ \ and\ \hbox{``ts_SS_4DCH_Modify''}$

instead of "ts_SS_4DCH_Modify_1" in line 4.

Source of change ETSI, Anite and R&S

			Test Step		
Test Step Ist Test Step Group Ref. Objective: Defaults: Comments:		ts_SendRB_SetUpDCH_Speech (p_Cellid: INTEGER; p_RAB_id: BITSTRING; p_ActTime: ActivationTime) t RB_StepsRB_Setup/ To setup a RADIO BEARER Cell_DCH_Speech and to reconfigure the SS accordingly. RRC_Deft This Step is used by Rt.C test cases. See TS 34.018 clause 6.10.2.4.1.4 WM#RAB4487			
L	-	Behaviour Description	Constraint Ref	. Comments	
1 2		npCellinfb (p_Cellid) AM_DATA_REQ	cao_RB_SatUpAM_WithCnf (tos_CellDedicated, tos_RB2, tos_Mul, tos_RRC_RB_SatUp (tor_CellIndinto_dl_integrityCheckinfo, tov_RRC_Ti, p_ActTime, toell_DCH, OMIT, (c_RAB_intoSetupTM_12_2k (c_RetlistTimerT314, p_RAB_id)), c_UL_commitTchinfoTM_12_3k, c_UL_addReconfTransChinfoListTM_12_2k, c_DL_CommonTransChinfoListTM_12_2k, c_DL_CommonTransChinfoListTM112_2k, c_DL_informationPstRL (tor_TransChinfoListTM10_PCH_S1_TFS_DL_UE, c_DCL_informationPstRL (tor_TransChinfoListTM10_PCH_S1_TFS_DL_UE, c_DCL_CommonInformationPstRL (tor_TransChinfoListTM10_PCH_S1_TFS_DL_UE, c_DCL_CommonInformationRB_SetUp_DTX_fload (tor_DL_DPCH1_SFP_Speech.) tds_UL_DPCH_info (tor_UL_DPDCH_SF_Speech.pt0_84, tor_TransCellInfo ult_ScramblingCode.) OMIT (i) OMIT (i) OMIT (ii) Tor_CellInformationCode.	@six T1sD40272, TsD40391	
3	AM ? RLC	_AM_DATA_CNF	ear_AM_DataMuiCnf (bst_CellDedicated, tsc_RB2, tsc_Mul)		
•	L_Cammar DL_DPCHI cb_UL_DP	IDCH_Modify (p_Cellid, p_ArfTime, c_D ninformationRB_SetUp_DTX_fixed (tsc_ 1_SFP_Specify), CH_Info (tsc_UL_DPDCH_SF_Specify, _TmpCellinfo_uL_ScramblingCode()		இங்: Ts040391 sic இ	
5 TSP	+ts_88_	RB10_ToRB12_TM_Ctg_Segmented C_ReceiveRB_SetupCmpl (p_Cellid, c		@sic ER 1570 sic@	

4.3 c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)

Test step name c_TrLogMappingDL_TM3_AM1

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.

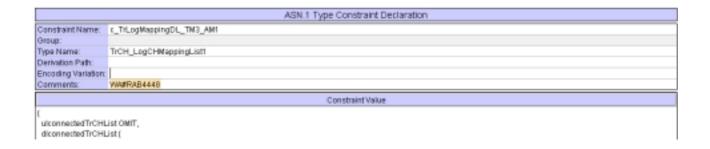
In the RB20 (AM mode) acknowledge PDUs must be sent sometimes taking the place in the data message. For example If the transport format used is DL_TFC3 (3 blocks in RB20) when the ACK PDUs must be sent it takes one of the blocks so 2 data blocks plus 1 ACK PDU are sent instead of the 3 data PDUs. The 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



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.

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

	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_TestLoopMode1LB_Setup.p_RAB_Tx_Info RabTxInfo			
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 still disable the same RLC SDU on the same 3 RBs. Refer to steps 11 to 17 of TS 34.123-1 claule 14.1.1				
Defaults:	RRC_Def1			
Comments:				
Behaviour Description Constraint Ref				
1 AMTRLC_AM_DATA_REQ		cas_TranportFormatCombCbtAM (tsc_CellDedicated, tsc_RB2, cbs_Tra Step 11		

	_Data2, tov_RB_Data3, tov_RB_Data4, p_RAB_Tx_info)		
9	+ts_SendDataInContineousTTI(p_RAB_Tx_Info)		
10	Dox_result=TRUE]		
11	+ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 ()cv_RB_Data1,1 cv_RB_Data2, tcv_RB_Data3, tcv_RB_Data4()		for TTCN Delay Step 15a.1 WARRAB4318
12	-ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB200tv_RB _Data1, tv_RB_Data2, tv_RB_Data3, tv_RB_Data4, p_RAB_Tx_Info)		
13	- ts_TC_OpenUE_TestLoop (tsc_CellDedicated)		Step 16-17
14	[lox_result=FAL8E]	0	
15	+ ts_TC_OpenUE_TestLoop (tsc_CellDedicated)		@six T1s040254 s lo@
18	flov result-Fál 9F)	m.	

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 Ste Test Ste Objective Defaults Comme	p Group Ref. RB_Step o/RB_Subtests/ ex RRC_Deft	H1_RB12_RB20 (p_data1_p_data2_p_data3_p_data4 : BITSTRING; p_RAB_Tr_into: R	abTxinfo)	
		Constraint Ref		Comments
	AM IRLC_AM_DATA_REQ	cas_MeasurementControl (toc_CellDedicated, toc_RB2, cs_MeasurementControlDefPeriodic (tov_CellIndinfo.dt_integrityCheckinto , tov_RRC_Ti, tov_TmpCellInfo.priScrmCode())		15a.2
2	(trv_Res := FALSE)			WARRAB4328
3	START (_D\(1000)			@sic T1s040254 ic@
4 Ge 1_R ep ort	AM ? RLC_AM_DATA_IND	car_MeasurementReport(tso_CellDedicated, tso_RB2, cr_MeasurementReportArry		150
5	CANCEL L Diy	í e		

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

Label New Change

WA#RAB4321

		Test Step	
Test Step ld:	ts_ReceiveFirstSOU_RB10_RB11_RB12_RB20 (p_data1.p_da	sta2,p_data3,p_data4 : BITSTRING)	
Test Step Group R	ert: RB_Steps/RB_Subtests/		
Objective:			
Defaults:	RRC_Deft		
Comments:	@BIC_NAPP		
	Behaviour Description	Constraint Ref	V Comments
v Reneive	the RB10 := FALSE, tzv_Receive RB11 := FALSE, tz RR17 = FALSE Testrase		
It_CheckStatus			
	hvRB10 = TRUE) AND (to:_ReceiveRB11 = TRU v_ReceiveRB12 = TRUE) AND (to:_ReceiveRB28		VVAFRAB4321
1 (bcv_Res	= TRUE)		
0 [TRUE]			@sic T1s040254 sic@
Detailed Commen	E		

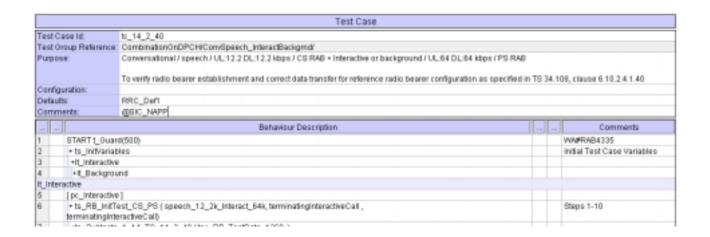
4.7 tc_14_2_40 (WA#RAB4335)

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



4.8 ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_64k (WA#RAB4488)

Test step name ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_64k

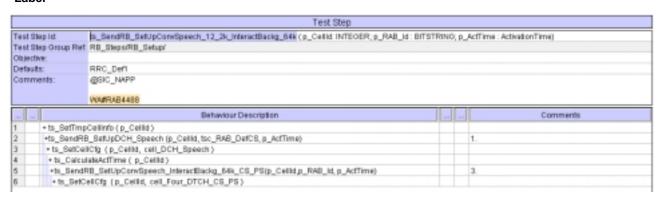
Reason for change Inconsistency with approved CR 041172. The security procedure in steps B9

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



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

		CR-Form-v7
	CHANGE REQUEST	
[♯] TS 3	<mark>4.123-3</mark> CR 437	Current version: 3.6.0
For <u>HELP</u> on u	ing this form, see bottom of this page or look at the p	oop-up text over the % symbols.
Proposed change a	ffects: UICC apps業 ME Radio Acc	ess Network Core Network
Title: 第	Addition of RAB test case 14.2.41 to RAB ATS V3.6.	0
Source: #	Rohde & Schwarz	
Work item code: ₩	N/A	Date:
Category: 米	B Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)
Reason for change	# To add verified GCF package 1 RAB test case 1 V3.6.0	14.2.41 to the approved RAB ATS
Summary of chang	E:# This document lists all changes applied to test of See detailed change description for further information.	
Consequences if not approved:	★ Test case will not be added to ATS	
Clauses affected:	₩ <mark>N/A</mark>	
Other specs affected:	Y N K X Other core specifications 米 Test specifications O&M Specifications	
Other comments:	¥	

How to create CRs using this form:

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

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

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

3GPP TSG-T1 E-Mail 2004

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

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Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.41 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 14.2.41	2
4.1	Introduction	
4.2	ts_SendRB_SetUpDCH_Speech (WA#RAB4487)	
4.3	ts_5DCH_ModifyConvSpeech_InteractBackg_64k_128k (WA#RAB4463)	3
4.4	c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)	
4.5	ts_RB_SubTest_RAB_SRB_RB20, ts_RB_SubTest_RAB_SRB_RB10_RB20,	
	(WA#RAB4318)	5
4.6	ts_Simultaneous_Data_SRB_RB10_RB11_RB20 and	
	ts_Simultaneous_Data_SRB_RB10_RB11_RB20_Special (WA#RAB4329)	7
4.7	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)	7
4.8	ts_ReceiveFirstSDU_RB10_RB11_RB20 (WA#RAB4456)	
4.9	tc_14_2_41 (WA#RAB4335)	
4.10	ts_RB_SubTests_TC_14_2_41 (WA#RAB4340)	9
4.11	ts_SendRB_SetUpConvSpeech_InteractBackg_64k_128k (WA#RAB4488)	10
5	Branches executed in test case 14.2.41	10
6	Execution Log Files	10
6.1	Ericsson 3G UE U100	10
7	References	11

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

 $\hbox{``c_DL_AddReconfTransChInfoListTM3_RM192"}\ ,\ \ and\ \hbox{``ts_SS_4DCH_Modify''}$

instead of "ts_SS_4DCH_Modify_1" in line 4.

Source of change ETSI, Anite and R&S

			Test Step	
	st Step st Step	ts_SendRB_SefUpC Group Ref. RB_StepsRB_Setu	CH_Speech (p_Cellid: INTEGER; p_RAB_id: BITSTRING; p_ActTime: ActivationTime)	
	ective		EARER Cell_DCH_Speech and to reconfigure the SS accordingly.	
	faults:			
Co	mmer	This Step is used by See TS 34.018 claus WARRAB487		
	L	Behaviour Descrip	tion Constraint Ref	Comments
1	_	+ts_BetTmpCellinfb(p_Cellid)		
2		AMIRIC_AM_DATA_REG	tes_RB_SetUpAM_VMthCnf (tes_CellDedicated, tes_RB2, tes_Mu, tes_RBC_RB_SetUp (tos_CellInd info. d_IntegrityCheckinfo, tos_RBC_TI, p_ActTime, tes_DCH, OMIT, {c_RAD_IntoSetupTM_12_3k (c_RedistTimerT314, p_RAD_id)}, c_UL_CommTrChinfoTM_12_2k, c_UL_AddReconTransChinfoListTM_12_2k, c_DL_CommonTransChinfoBarmeAsUL,	@sic T1s040272, Ts040301
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMulCnf (tac_CallDedicated, tac_RB2, tac_Mul)	
4		-is_SS_4DCH_Modify(p_Cell L_CommonintermationRB_BetU DL_DPCHI_SFP_Speeth), cb_UL_DPCH_Info(tss_UL_DP pl0_04, tov_TmpCellinto.uk_Scr	p_DTX_flead (tax_ DCH_BF_Speech,	@sic Ts040391 six@
5		+ts_SS_RB10_ToRB12_TM_C		@sic ER 1570 sic@
6	TSP			

4.3 ts_5DCH_ModifyConvSpeech_InteractBackg_64k_128k (WA#RAB4463)

ts_5DCH_ModifyConvSpeech_InteractBackg_64k_128k Test step name

Wrong constraint used: the RM attribute $\,$ and the "numberOfTbSizeList" are Reason for change

incorrect.

Used c_DCH_336_TFS_27_DL_20_TC instead of c_DCH_336_TFS_25_DL_20_TC Summary of change

New Change Source of change

WA#RAB4463 Label

			Test Step		
rt channel and map DTCH(subflow chiely, Used for Conversational Sp CCH		p_Cellid: INTEGER; p_ActTime: ActivationTime; p_DL_Commoninformation: 0	DL_Commoninformation;		
		to configure physical channel DP rt.channel and map DTCH(subfic ctively, Used for Conversational 3	CH1 and connect DCH1, DCH2, DCH3, DCH4 and DCH5 to the physical channel, then nw#1), OTCH (subflow#2), DTCH (subflow#3), DTCH (subflow#4) to the DCH1, DCH2, DC Speech/UL12, 2 kbps DL12, 2 kbps/Interactive or background / UL: 64 DL128 kbps / P	CH3 and DC	H4 transport channel respo
Comme		@SIC_NAPP			
L		Behaviour Description	Constraint Ref		Comments
2	(pr_RAT = 1 CPHY/CPI	rdd) HY_RL_Modily_REQ	ca_DL_DPCH_Modifyinfo (p_Cellid, tax_DL_DPCH1, c_DL_DPCH_Info (tac_ _Sft:16, p_DL_Commoninformation.tev_TexpCellinfo.dl_DPCH_2ndSerCode) p_ActTime()	1.	
3	CPHY2CE	PHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Cellid, tor_DL_DPCH1)	_	
4		HY_TrCH_Config_REQ	ca_5_DCH_0_Tof19_DL_info (a_Cellid, tac_DL_DPCHt), c_TrChConfigTypeDCH_NoBHO, c_DCH_148_TFS_DL, c_DCH_81_TFS_DL, c_DCH_103_TFS, c_DCH_60_TFS, c_DCH_38_TFS_27_DL_20_TC, c_PowerOffsetInfoHigher64k,activationC FN_to_ActTime(2.	
5	CPHY70	PHY_TrCH_Config_CNF	ca_TrChCfgCnfg_Callid,tsc_DL_DPCH1)		
6		CMAC_Cerrig_REQ	ca_CMAC_Reconfiginto (sc_Cel/Dedicated, tsc_DL_DPCH1, r_UE_into (0 MIT, OMIT), r_TrCHintoDL_5_0To119 (r_DCH_148_TF8_DL, r_DCH_81_T F8_DLc_DCH_103_TF8.	3. WARRAR	14463
			c_DCH_60_TFS, b_DCH_336_TFS_37_DL_20_TC, c_PowerOffsetinfsHigher64k), c_TrLogM appingDL_TM3_AM1,p_AcfTime)		
7		CMAC_Covfig_CNF	ca_CMAC_CfgCrrf(tsc_CellDedicated, tsc_DL_DPCH1)		
8	CPHY	CPHY_RL_Modify_REQ	ca_UL_DPCH_ModifyInfo (p_Cellid, far_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

I		ASN.1 Type Constraint Declaration					
١	Constraint Name:	r_TriLogMaspingDL_TN3_AM1					
ı	Олоца:						
ı	Type Name:	TrCH_LogCHMappingList1					
ı	Derivation Path:						
ı	Encoding Variation:						
ı	Comments:	WM#RAB4448					
I		Constraint Value					
	ulconnectedTrCHList OMIT, diconnectedTrCHList (

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It is being to the content of the co
```

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.

ino unio.

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. B_Tx_info:RabTdnfb;p_max_tli:INTE0ER)	_TFC_UL, p_TFC_DL:TFC_Subset;	pMode1LB_Setup.p_R/
Test:	Step Group Ref.	RB_Steps/RB_Subtests/		
Obje	tive:	SS limits the UE allowed uplink transport format combinati d back the same RLC SDU on the same 3 RBs. Refer to st	ons, SS closes the test loop, then SS transmit on RB10, RB11 and RB12 and teps 11 to 17 of TS 34.123-1 clause 14.1.1	RLC SDU. UE shall se
Defai	its:	RRC_Def1	•	
Com	ments:	@SIC_NAPP		
		Behaviour Description	Constraint Ref	Comments
1	AM FRLC AN	LDATA_REQ	cas_TranportFormatCombCbtAM (tsc_CellDedicated, tsc_RB2, cbs_Tra	Step 11
9	+ts_Sen	RB_Data3, tv_RB_Data4, p_RAB_Tx_Info) dDataInContineousTTI(p_RAB_Tx_Info) ult=TRUE)		
11		celveFirstSDU_RB10_RB11_RB12_RB20 ((cv_RB_Data1,1 2, tcv_RB_Data3, tcv_RB_Data4)		for TTCN Delay Step 15a.1 WARRAB4318
12		multaneous_Data_SR0_R810_R811_R812_R820(tv_R8 R8_Data2, tv_R8_Data3, tv_R8_Data4, p_RA8_Tx_Into)		
13	+ ts_T	C_OpenUE_TestLoop (tsc_CellDedicated)		Step 16-17
14	[for_res	ult=FALBE)		(0)
15	+ ts_TC	C_OpenUE_TestLoop (1sc_CellDedicated)		@six T1s040254 :
16	Boy requit	LEM OF		m

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

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 Str Test Str Objectiv Oafault	ep Group Ref: ve:	ts_Simultaneous_Data_SRB_RB10_RB11_RI RB_StepsiRB_Subtests/ RRC_Def1	BI 2_RB20 (p_data1_p_data2_p_data3,p_data4 : BITSTRING; p_RAB_Tx_1	nto: RabTxinfo)	
amme	ents:	@SIC_NAPP			
		Behaviour Description	Constraint Ref		Comments
	AMTRLC_AM	(_DATA_REQ	cas_MeasurementControl (tbc_CetIDedicated, tac_RB2, cs_MeasurementControlDefPeriodic (tbv_CetIIndinfo.dl_integrityCheckinto , tbv_RRC_Ti , tbv_TmpCetIinfo.griScrmCode())		15a.2
2	day_Res > 6	FALSE)			WARRAB4328
1	START (_D)	y(1000)			@sic T1s040254 ic@
1_R ep ort		AM_DATA_ND	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportArry	P	156
	CANCEL 1	Dly	ĺ		

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

		Test Step	
Test Step ld:	ts_ReceiveFirstSOU_RB10_RB11_RB12_RB20 (p_data1.p_da	sta2,p_data3,p_data4 : BITSTRING)	
Test Step Group R	ert: RB_Steps/RB_Subtests/		
Objective:			
Defaults:	RRC_Deft		
Comments:	@BIC_NAPP		
	Behaviour Description	Constraint Ref	V Comments
v Reneive	the RB10 := FALSE, tzv_Receive RB11 := FALSE, tz RR17 = FALSE Testrase		
It_CheckStatus			
	hvRB10 = TRUE) AND (to:_ReceiveRB11 = TRU v_ReceiveRB12 = TRUE) AND (to:_ReceiveRB28		VVAFRAB4321
1 (bcv_Res	= TRUE)		
0 [TRUE]			@sic T1s040254 sic@
Detailed Commen	E		

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 "It_CheckStatus" must end in a [TRUE]

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

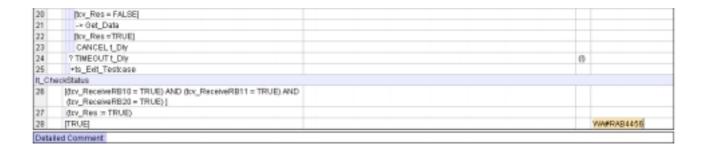
Summary of change Added line with statement [TRUE]

Source of change New Change
Label WA#RAB4456

Test Step Id: Its_ReceiveFirstSDU_RB10_RB11_RB20 (s_data1,p_data2,p_data2; BITSTRING)
Test Step Group Ref. RB_StepsiRB_Subtlests/
Objective:
Defaults: RRC_Deft
Comments: @SIC_NAPP

______ Behaviour Description Constraint Ref _____ Comments

1 (try_ReceiveRB10 = FALSE, try_ReceiveRB11 = FALSE, try_ReceiveRB20 = FALSE, tr



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			
Fest Case I	ld:	tr_14_2_41			
est Group	Reference:	CombinationOnDPCH/Com@peech_InteractBackgrnd/			
urpose:	upose. To verify radio bearer establishment and correct data transfer for reference radio bearer configuration as specified in TS:			09,	clause 6.10.2.4.1.41
		Conversational (speech / UL:12.2 DL:12.2 kbps / CS RAS + Interactive or background / UL:64 DL:128 kbps / PS RAS +	UL:3.	I D L	L:3.4 kbps SRBs for DCCH
anfiguratio	ion:				
Defaults:	efaults: RRC_Deff				
		NHC_DB1			
		gsic_NeP			
amments					Comments
amments		@BIC_NAPP Behaviour Description			Comments WA#RAB4335
amments	s:	@BIC_NAPP Behaviour Description uard (500)			WARRAB4335
amments	START LG	@BIC_NAPP Behaviour Description uard (500) risk los			
amments	START 1_6	@BIC_NAPP Behaviour Description uard (500) riab los ctiva			WARRAB4335
omments Nr Lab	START 1_6 - ts_init/s -tl_inters -tl_Back	@BIC_NAPP Behaviour Description uard (500) riab los ctiva	21		WARRAB4335
Comments Nr Lab	START 1_6 - ts_init/s -tl_inters -tl_Back	@BIC_NAPP Behaviour Description uard (500) risibles ctine ground			WARRAB4335

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	
st Step kt: ts_RB_SubTests_TC_14_2_41(p_Data_String:BITSTRING) st Step Group Ref: RB_StepsrRB_Subtestar stepsrbre:	
rfaults: Imments: @SIC_NAPP	
Behaviour Description	Comments
+ts_RB_SubTest_RAB_RB10; t_TFC_Allowed_0_1_2_3_15_16, t_TFC_Allowed_0_1_15_16, tb_UE_TestLoopMode1LB_Setup4 (39.tst_RB10, 103, tst_RB11, 60, tst_RB12, 312, tst_RB20), t_RAB_Tx_info (p_Data_String, i_RB_Tx_info (tst_RB20,312,60), CMIT, C	Subtest1 Steps 11-17
+ts_R8_SubTest_RAB_SR8_RB10_RB20(c_TFC_Allowed_0_1_2_3_4_15_16_18_18, c_TFC_Allowed_0_3_4_15_19, cb_UE_TestL copMode1L0_Setup4 (39,tsc_R010, 103, tsc_R011, 60, tsc_R012, 312, tsc_R020),c_RAB_Tx_info(p_Oata_String, 2, c_R8_Tx_info(tsc_R810,39,60), c_R8_Tx_info(tsc_R820,312,60), contr. OMIT. OMIT. 20(Subtest4 WA#RAB4340 Steps 11-17
+ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20(r_TEC_Minward_0_1_2_3_5_15_17_18_30 r_TEC_Minward_0_3_5_15_30 ch_UE_Testi conMindesUB_Setund (9) for RB10_103 for	Subtest5

4.11 ts_SendRB_SetUpConvSpeech_InteractBackg_64k_128k (WA#RAB4488)

Test step name ts_SendRB_SetUp_ConvUnknown_64k_InteractBackg_16k_64k_20

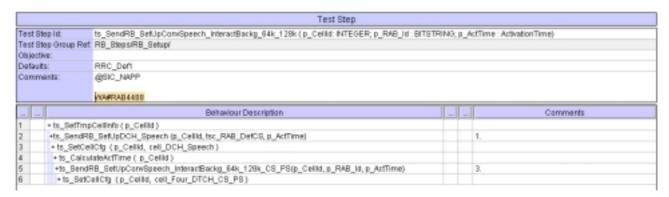
Reason for change Inconsistency with approved CR 041172. The security procedure in steps B9

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



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]

T1s040526This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

	CHANGE REQUEST	CR-Form-v7
[♯] TS 34	123-3 CR 434	Current version: 3.6.0
For <u>HELP</u> on usi	ng this form, see bottom of this page or look at the p	oop-up text over the 光 symbols.
Proposed change at	fects: UICC apps器 ME Radio Acce	ess Network Core Network
Title: 第 /	addition of RAB test case 14.2.38c to RAB ATS V3.6	5.0
Source: #	Rohde & Schwarz	
Work item code: ₩ 1	I/A	Date: 25/08/2004
Reason for change:	B Jose one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. To add verified GCF package 3 RAB test case 1 V3.6.0 This document lists all changes applied to test capproval. See detailed change description for further informations.	case 14.2.38c required for
Consequences if not approved:	光 Test case will not be added to ATS	
Clauses affected:	₩ <mark>N/A</mark>	
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications	
Other comments:	X	

How to create CRs using this form:

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

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

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

3GPP TSG-T1 E-Mail 2004

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

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1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.38c 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 14.2.38c	2
4.1	Introduction	2
4.2	ts_SendRB_SetUpDCH_Speech (WA#RAB4487)	2
4.3	c_DCH_336_TFS_23c_DL_40 and c_DCH_336_TFS_23c_UL_40 (WA#RAB4218)	4
4.4	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (WA#RAB4318)	4
4.5	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 (WA#RAB4328)	5
4.6	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)	
4.7	tc_14_2_38c (WA#RAB4313 and WA#RAB4335)	6
4.8	ts_Subtests_TC_14_2_38_c (WA#RAB4356)	7
4.9	ts_Subtests_TC_14_2_38_c (WA#RAB4343 and WA#RAB4344)	8
4.10	c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)	
4.11	ts_SendRB_SetUpConvSpeech_12_2k_InteractBackg_32k_TC_40TTI (WA#RAB4488)	9
5	Branches executed in test case 14.2.38c	10
6	Execution Log Files	10
6.1	Ericsson 3G UE U100	10
7	References	10

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

	Test Step					
Test Step Id:	est Step ld: ts_SendRB_SetUpDCH_Speech (p_Celld: NTEGER; p_RAB_ld: STSTRING; p_ActTime: ActivationTime)					
Test Step Group Ret	RB_Steps/RB_Setup/					
Objective:	bjective: To setup a RADIO BEARER Cell_DCH_Speech and to reconfigure the 88 accordingly.					
Defaults:	efaults: RRC_Deft					
Comments:	This Step is used by RLC test cases. See TS 34.018 clause 6.10.2.4.1.4					
	WA#RAB4487					

L.	Behaviour Description	Constraint Ref	 Comments
	+ts_SefTmpCellinfb (p_Cellid)		
2	AMIRIC_AM_DATA_REG	cas_RB_SatUpAM_WithCnf (toc_CellDedicated, toc_RB2, toc_Mul, cs_RRC_RB_SatUp (tor_CellInd into di_IntegrityCheckinfo, tor_RRC_TI, p_ActTime, cell_DCH, OMIT, {c_RADi_IntoSetupTM_12_2k (c_RedistTimerT314, p_RADi_kt)}, c_UL_CommTTChinfoTM_12_3k, c_UL_AddReconfTransChinfoSarreAsUL,	@sic T1sD40272, TsD40391
		EDL_AddReconffransChinfoListTM3(r_DCH_81_TF8_DL_UE, c_DCH_103_TF8_UE, c_DCH_60_TF8_UE), c_DCH_103_TF8_UE, c_DCH_60_TF8_UE), c_DL_informationPerRL_(bx_TmpCellinfo_pf8_DF8_crCode), tsc_DL_DPCH1_CftC_Speech_txv_TmpCellinfo_df_DPCH_2nd8crCode), c_DL_CammoninformationPlB_8etUp_DTX_flead_(bsc_DL_DPCH1_8FP_Speech.), cs_UL_DPCH_info_(bsc_UL_DPDCH_SF_Speech, pt0_04, tsv_TmpCellinfo_ut_ScramblingCode), OMET i)	
3	AM ? RLC AM DATA CNF	car_AM_DataMulCnf (fac_CellDedicated, fac_RB2, fac_Mul)	

4	-is_SS_4DCH_Modify(p_Celld,p_ArtTime,c_D	@sic Ts040391 sic@
	L_CommoninformationRB_BetUp_DTX_fixed (1sr_	
	DL_DPCHH_SFP_Speech),	
	cb_UL_DPCH_Info(tsr_UL_DPDCH_SF_Speech,	
	pl0_84, tov_TmpCellinto.utScramblingCode()	
5	+ts_SS_RS10_ToRS12_TM_Ctg_Segmented	@sic ER 1570 sic@
6 TSP	* ts_RRC_ReceiveRB_SetupCmpl (p_Cellid, c	
	ell_DCH_Speech)	
Detailed	Comment	

4.3 c_DCH_336_TFS_23c_DL_40 and c_DCH_336_TFS_23c_UL_40 (WA#RAB4218)

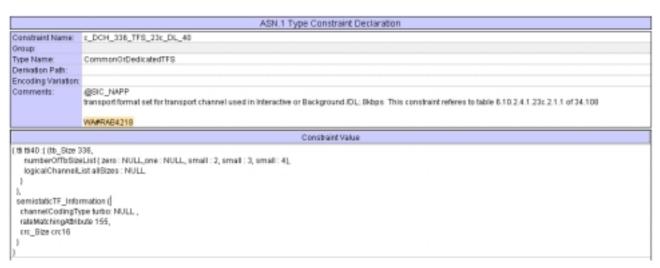
Test step name c_DCH_336_TFS_23c_DL_40 and c_DCH_336_TFS_23c_UL_40

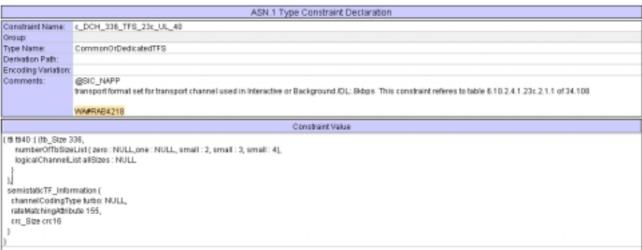
Reason for change Wrong channel coding type: it should be "turbo" coding instead of

"convolutional 1/3".

Summary of change Corrected channel coding type.

Source of change New Change
Label WA#RAB4218





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	ld:	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (p_ B_Tx_info: RabTxinfo:p_max_B::NTE0ER)	TFC_UL, p_TFC_DL:TFC_Subset, p_TestLoopModeSetup:UE_TestLoo	φМо	de1LB_Setup.p_RA
Test Step	Group Ref:	RB_Steps/RB_Subtests/			
Objective:		SS limits the UE allowed uplink transport format combination diback the same RLC SDU on the same 3 RBs. Refer to st	ms, SS closes the test loop, then SS transmitten RB10, RB11 and RB12 and RB 11 to 17 of TS 34.123-1 clause 14.1.1	RLC	SDU. UE shall sen
Defaults:		RRC_Def1			
Comment	is:	@SIC_NAPP			
		Behaviour Description	Constraint Ref		Comments
1 A	MIRLC_AN	LDATA_REQ	cas_TranportFormatCombCbtAM (tsc_CellDedicated, tsc_RB2, cbs_Tra		Step 11
9 10 11	+ts_Ben tcv_res +ts_Re	RB_Data3, txv_RB_Data4, p_RAB_Tx_info) dDatainContineousTfl(p_RAB_Tx_info) aft=TRUE) celveFirstSDU_RB10_RB11_RB12_RB20 (tcv_RB_Data1,1 2, tcv_RB_Data3, tcv_RB_Data4)		F	for TTCN Delay Step 15a.1
12		multaneous_Data_SR0_R810_R811_R812_R820@v_R8		H	WARRAB4318
		RB_Data2, tcv_RB_Data3, tcv_RB_Data4, p_RAB_Tx_info)		-	
13		C_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
14		ult=FAL8E)		(0)	
15		C_OpenUE_TestLoop (toc_CellDedicated)			@six T1s040254 s is@
16	thry requit	HEAL SEL		(f)	

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

		Test Step		
Feet St Feet St Objecti Default Domm	ep Group Ref: RB_Steps/RB_Subtests/ vo: sc: RRC_Def1	1_RB12_RB20 (p_data1_p_data2_p_data3,p_data4 : BITSTRING; p_RAB_Tr_int	to: RabTx(refo)	
	Behaviour Description	Constraint Ref		Comments
	ANTRLC_AM_DATA_REQ	cas_MeasurementControl (159.2
2 (tzv_Reg > FALSE)				WARRAB4328
3	START (_Dly(1000)			@sic T1s040254 : ic@
1_R ep ort		car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cr_MeasurementReportArry	69	
5	CANCEL 1_Dly			

4.6 ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)

Test step name ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20

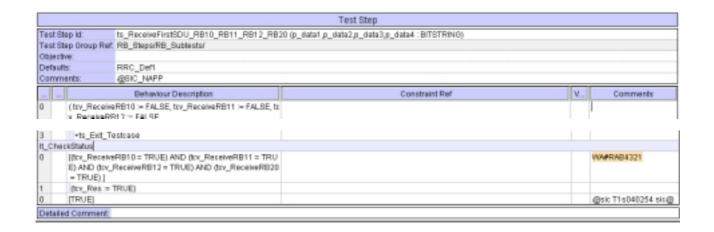
Reason for change TTCN error, wrong control variable for RB20.

Summary of change Used tcv_ReceiveRB20 instead of tcv_ReceiveRB12 for RB20.

Source of change

Label New Change

WA#RAB4321



4.7 tc_14_2_38c (WA#RAB4313 and WA#RAB4335)

Test step name tc_14_2_38c

"background" part can not be executed alone.

T_Guard is too tight. A value of 500s is proposed.

Summary of change 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 Cr	ase lid:	tr_14_2_38c				
Test Group Reference:		CombinationOnDPCHICom/Speech_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 DC CH Test to verify establishment and data transfer for reference radio bearer configuration as specified in TS 34,108, clause 6.10.2.4.1.38:				
Configu	uration:					
Default	g:	RRC_Deft				
Comm	ents:	gsic_NWP				
		Behaviour Description		Comments		
1	START t_Guan	4500)		WARRAB4335		
2	• to_init/ariables					
3	+it_interactive					
4	• It_Backgrou	nd				
It_Intera	active					
5	[pc_interactive					
6	+ ts_RB_inifTe		Steps 1-10			
7	+bs_Subtlests_TC_14_2_38_cdsc_R8_TestData_5376)					
8 TB E1	(tov_TestBoo	y = FALSE)				
9	+ ts_TC_Dec		Steps 20-21			
10	+ts_RRC_ConnRel (tsc_CellA, cell_Dch)					
11	+ts_OMM_0	etachOnSwitchOff(tsc_CellA.)				
12	+ po_Conn	ectionAndSS_Rel (tsr_CelA)				
13 [TRUE]						
It_Back	ground					

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

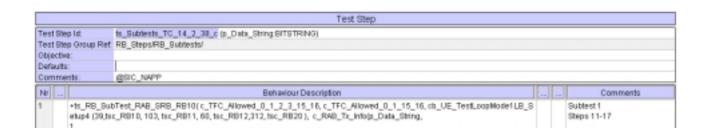
missing (omitted).

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



40)	
+ ts_RB_SubTest_RAB_SRB_RB20 (c_TFC_Allowed_0_1_2_3_6_15_21, c_TFC_Allowed_0_3_6_15_21, cb_UE_TestLoopMode1 L B_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12,632, tsc_RB20), c_RAB_Tx_Info(p_Data_String,	Subtest 6 Steps 11-17
C_RB_Tx_Info(tsc_RB20,632,30), OMIT, OMIT, OMIT, OMIT,	AX#RAB4356
+ts_RB_8ubTest_RAB_SRB_RB10_RB20 (c_TFC_Allowed_0_1_2_3_6_7_16_16_21_22, c_TFC_Allowed_0_3_7_16_22, cb_UE	Subtest 7
+ts_RB_SubTest_RAB_SRB_RB10_RB20(c_TFC_Allowed_0_1_2_3_9_10_15_16_24_25, c_TFC_Allowed_0_3_10_15_25, cb_ UE_TestLoopMode1LB_Setup4 (39,tsc_RB10, 103, tsc_RB11, 60, tsc_RB12,952, tsc_RB20) ,c_RAB_Tx_Info(p_Data_String, 2,	Subtest 10 Steps 11-17
c_RB_Tx_Info(txc_RB10,39,60), c_RB_Tx_Info(txc_RB20,852,30), OMIT, OMIT), 40)	WARRADITSI
+h_R0_SubTest_R40_SR0_R010_R011_R012_R020(Subtest 11

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

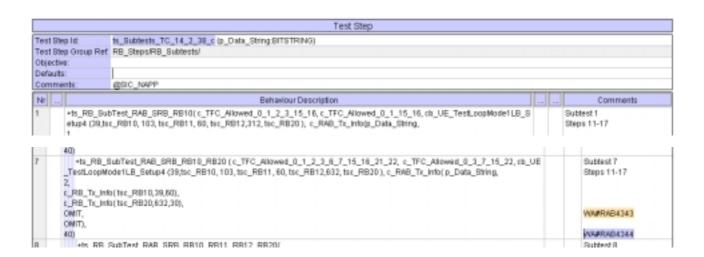
be 40 ms not 20).

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



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 M: Is_SendRB_SetUpConvSpeech_12_2k_InteractBackg_32k_TC_48TTI (p_CetM: INTEGER; p_R4					TRINO; p_ActTime : ActivationTime)
Test Step Group Ref. Objective: Defaults:		RB_Steps/RB_Setus/			
		RRC_Defl			
Comments:		@BIC_NAPP			
		Conversational / speech / UL 12.2 DL 12.2 kbps / CS RAB + Interactive or background / UL 32 DL 32	kbpi	i (PS	RAB + UL3.4 DL3.4 lbps SRBs for DCCH
		WA#RAB4488			
		YWAFRAB488 Behaviour Description			Comments
	+ ts_SetTmp				Comments
1		Behaviour Description			Comments 1.
1	+ts_SendRB	Behaviour Description Cellinto (p_Cellid)			Comments 1.
1	+ts_SendRB +ts_SetCell	Behaviour Description Cellinto (p_Cellid) _SetUpDCH_Speech (p_Cellid, tsr_RAB_DefCS, p_ArtTime)			Comments 1.
	+ts_SetCell +ts_Calcul	Behaviour Description Cellinfo (p_Cellid) _SetUpDCH_Speech (p_Cellid, tsc_RAB_DerCS, p_ActTime) Cfg (p_Cellid, cell_DCH_Speech)			Comments 1. 3.

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

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

CHANGE REQUEST							
[♯] TS 3 ⁴	<mark>1.123-3</mark> CR ⁴³⁵	rent version: 3.6.0					
For <u>HELP</u> on us	ing this form, see bottom of this page or look at the po	p-up text over the 🛱 symbols.					
Proposed change at	ffects: UICC apps# ME Radio Acces	ss Network Core Network					
Title: 第 /	Addition of RAB test case 14.2.38f to RAB ATS V3.6.0						
Source: # F	Rohde & Schwarz						
Work item code: ₩ 1	√A	Date: 第 25/08/2004					
Reason for change:	Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. # To add verified GCF package 3 RAB test case 14 V3.6.0 This document lists all changes applied to test case 14 values.						
Consequences if	approval. See detailed change description for further inform. **Test case will not be added to ATS	ation.					
not approved:	Tool cade will het be added to 7116						
Clauses affected:	₩ N/A						
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications						
Other comments:	×						

How to create CRs using this form:

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

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

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

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

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Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.38f 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

1	Overview	1
2	Table of Contents	1
3	Verification Test Summary	2
4	Corrections required for test case 14.2.38f	2
4.1	Introduction	2
4.2	ts_SendRB_SetUpSpeech_12_2k_AMR, ts_4DCH_ModifySpeech12_2k_AMR and c_TrChInfoDL_12_2k_AMR (WA#RAB4487)	2
4.3	tc 14 2 38f (WA#RAB4313 and WA#RAB4335)	4
4.4	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 and	
	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB20 (WA#RAB4318)	5
4.5	ts_Simultaneous_Data_SRB_RB10_RB11_RB12_RB20 and	
	ts_Simultaneous_Data_SRB_RB10_RB11_RB20 (WA#RAB4328)	6
4.6	ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)	
4.7	ts_ReceiveFirstSDU_RB10_RB11_RB20 (WA#RAB4456)	
4.8	c_TrLogMappingDL_TM3_AM1 (WA#RAB4448)	8
4.9	ts_Subtests_1_14_TC_14_2_38f (WA#RAB4454)	10
4.10	ts_SendRB_SetUpConvSpeech_12_2k_AMR_InteractBackg_8k_TC_40TTI (WA#RAB4488)	10
5	Branches executed in test case 14.2.38f	11
6	Execution Log Files	11
6.1	Ericsson 3G UE U100	11
7	References	11

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 Group Ref. RB_St Objective: To set Defaults: RRC_	SepaRB_Setup(up a RADIO BEARER for SPEEC	(p_Celld: INTEGER; p_RAB_ld: BITSTRING; p_Acffime: ActivationTime:) H 10.2k and to reconfigure the SS accordingly.	
L	Behaviour Description	Constraint Ref	Comments
1 +ts_SetTmpCellin 2 AMTRLC_AM_DA		cas_RB_SetUpAM_WithCnf(tsc_CellIndinfo.dt_integrityCheckinfo, tov_RRC_Ti, p_ArtTime, tall_DCH, OW_RRC_Ti, p_ArtTime, tall_DCH, OWIT, c_RAB_infoListTM3(c_ReEstTimerT314, p_RAB_J st), c_UL_AddReconfTrainsChinfoTM_12_2k_AMR, c_UL_AddReconfTrainsChinfotM_12_2k_AMR, c_UL_AddReconfTrainsChinfotM_12_2k_AMR, c_UL_AddReconfTrainsChinfotManachi	try_SpidFct + tov_PuncLimit => values ? same for uplink and downlink ? Freqinfo ? @six T1s040245,Ts040391 six@ @six RASH ER1961 six@
3 AM ? RLC_AM_D	ATA_CNF	ear_AM_DataMuiCnf (tse_CellDedicated, tse_RB2, tse_Mul)	

			Test Step							
Test Step Id:		ts_4DCH_ModifySpeech12_2k_AMR (_info:UL_DPCH_info)	p_Cellid:INTEGER; p_ActTime: ActivationTime;	on : DL_Commoninformation; p_UL_DPC						
Test Step Group Ref. Objective:		RB StepoFRB_Configuration/								
			land connect DCH1, DCH2, DCH3 and DCH5 to the physical channel, then of CH((subflow#2), DTCH((subflow#3) to the DCH1, DCH2, DCH3 transport chan							
efaults	E	InitOtherwiseFail	#Difference of all							
omme	nts:	WARRAB4487								
. L.		Behaviour Description	Constraint Ref	Comments						
	+ ts_SetTm	ιpCellinfo (p_Cellid)								
	[px_RAT=	10:0								
	CPHYICPHY_RL_Modify_REQ		ca_DL_DPCH_Modifyinto (p_Cellid, tac_DL_DPCH1, cb_DL_D PCH_AMR (fac_St:128, p_DL_Commoninformation), p_ActTim e)	1.						
	CPHY7C	PHY_RL_Modify_CNF	_RL_Modify_CNF ca_RL_ModifyCnf(p_Cellid, tsr_DL_DPCH1)							
CPHYICPHY_TICH_Coring_REQ		PHY_TrCH_Config_REQ	ea_4_DCH_102_DL_into (p_Cattid, tac_DL_DPCH1, e_TrChConfigTypeDCH_Ne8H0, e_DCH_81_TF8_6_DL, e_DCH_103_TF8_5, e_DCH_103_TF8, b_DCH_148_TF8_DL, e_TFC8_Cmpl0_1_8_15_22_58_60_81_68_75_82_119_Tx(s_ PowerOffsetIntoBellow64k).p_ActTime()	2. @six T1s040245 six@ @six RASH ER1961 six@						
	CPHY70	CPHY_TrCH_Config_CNF	ca_TrChCtgCnftp_Cellid, tsc_DL_DPCH1)							
		CMAC_Config_REQ	ca_CMAC_Reconfiginfo (for_CellDedicated, for_DL_DPCH1, c _UE_Info(0MT, 0MT), c_TrChinfoDL_12_3k_AMR(c_TFCS_Crr pt0_18_15_22_50_60_61_68_75_82_118_Tc (c_PowerOffse thrtoBelow64k)), c_TrLogMappingDL_4DCCH_3DTCH_p_ActTi me)	3. @six T1s040245 six@						
	CMAC	? CMAC_Canfig_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated, tsc_DL_DPCH1)							

```
ASN.1 Type Constraint Declaration
Constraint Name: c_TrChinfoDL_12_2k_AMR(p_TFC8:TFC8)
Group:
Type Name:
                   TrCHinfo
Derivation Path:
Encoding Variation:
                   WARRAD4407
Comments:
                                                                           Constraint Value
 disonnectedTrCHList ( (
  trchiditsc_DL_DCH1,
transportChannelinfoic_DCH_81_TF8_6_DL
   trchid tsc_DL_DCH2,
   transportChannelinfoc_DCH_103_TFS_6
   trchid tsc_DL_DCH3,
   transportChannelinfo c_DCH_60_TFS
  trohid tsc_DL_DCH5,
   transportChannelinfo : DCH_148_TFS_DL --@sic T1s040245 sic@
 dITFCB p_TFCB
```

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.

T_Guard is too tight. A value of 500s is proposed.

Summary of change 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 Ca	se					
Test Case ld:	tx_14_2_38f							
Test Group Reference	Combination OnDPCH/Con/Speech_InteractBackgrnd/							
Purpose:	Conversational / s 3.4 kbps SRBs for	peech (UL: (12.2 7.95 5.9 4.75) DL: (12.2 7.95 5.9 4						
Configuration:								
Defaults:	RRC_Deff							
Comments:	@SIC_NAPP							
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments			
		BTART 1_Guard(500)			WARRAB4335			
ż		+ ts_Init/ariables			Initial Test Case Variables			
3		+It_Interactive						
ı		+It Background						
Interactive								
5		[pc_interactive]						
В		ts_RB_intTest_CS_PS (speech_12_ 2k_7_95k_5_9k_4_75k_interact_8k_8k_ 40, terminatingInteractiveCall, terminatingInt enactiveCall)			Steps 1-10			
7		+ ts_Subtests_1_14_TC_14_2_38f (tsc _RB_TestData_5376)						
1	TBE1	(fcv_TestBody = FALSE)						
9		 ts_TC_DeactivateRB_TestMode (tsc _CellDedicated) 			Steps 20-21			
10		+ts_RRC_ConnRel (tsc_CellA, cell_ Deh)						
1		-ts_GMM_DetachOnSwitchOff(tsc_C ellA)						
12		+ pa_ConnectionAndSS_Rel (tsc_C ellA)						
13		[TRUE]			WARRAB 4313			
t_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.

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.

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

			Test Step		
Test:	Step Id:	ts_RB_SubTest_RAB_SRB_RB10_RB11_RB12_RB20 (p_ B_Tx_info: RabTxinfo:p_max_B::NTE0ER)	TFC_UL, p_TFC_DL:TFC_Subset; p_TestLoopModeSetup:UE_TestLoop	ρМο	de1LB_Setup.p_RA
Test:	Step Group Ref.	RB_Steps/RB_Subtests/			
Obje	tive:	SS limits the UE allowed uplink transport format combination diback the same RLC SDU on the same 3 RBs. Refer to st	ons, SS closes the test loop, then SS transmit on RB10, RB11 and RB12 and	RLC	SDU. UE shall sen
Defai	its:	RRC_Deft			
Com	ments:	@BIC_NAPP			
		Behaviour Description	Constraint Ref		Comments
1	AM FRLC_AM	LDATA_REQ	cas_TranporFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, cbs_Tra		Step 11
9 10	+ts_Sen	RB_Data3, tv_RB_Data4, p_RAB_Tx_Info) dDataInContineousTTI (p_RAB_Tx_Info) ufl=TRUE)			
11		celveFirstBDU_RB10_RB11_RB12_RB20 (kx_RB_Data1,1 2, tcx_RB_Data3, tcr_RB_Data4)			for TTCN Delay Step 15a.1
12		multaneous_Data_SR0_R810_R811_R812_R820@v_R8 R8_Data2, tv_R8_Data3, tv_R8_Data4, p_R48_Tx_info)	I		
13	+ ts_T	C_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
14	[fov_res	ult=FAL8E]		(0)	
15		C_OpenUE_TestLoop (tsc_CellDedicated)			@six T1s040254 s lo@
18	Boy regult	HEAL SEL		(fb	

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.

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			
Objectiv Defaults	ep Group Ref: /e: s:	RB_Steps/RB_Subtests/	812_RB20 (p_data1.p_data2.p_data3.p_data4 : BITSTRING; p_RAB_Tr_into	RabTx(refo)		
Comments: @SIC_MAPP						
		Behaviour Description	Constraint Ref		Comments	
	AM I RLC_AM	(_DATA_REQ	cas_MeasurementControl (tsc_CetDedicated, tsc_R82, cs_MeasurementControlDefPeriodic (tcv_CetIndinfo.dl_integrityCheckInto , tcv_RRC_Ti , tcv_TmpCetInfo.priScrmCode())		15a.2	
2	day_Res > i	FALSE)			WA#RAB4328	
3	STARTIO	y(1000)			@sic T1s040254 ic@	
1_R ep ort		AM_DATA_ND	car_MeasurementReport(toc_CellDedicated, toc_RB2, cr_MeasurementReportArry)	P	156	
5	CANCEL1	Dly				

4.6 ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 (WA#RAB4321)

Test step name ts_ReceiveFirstSDU_RB10_RB11_RB12_RB20 and

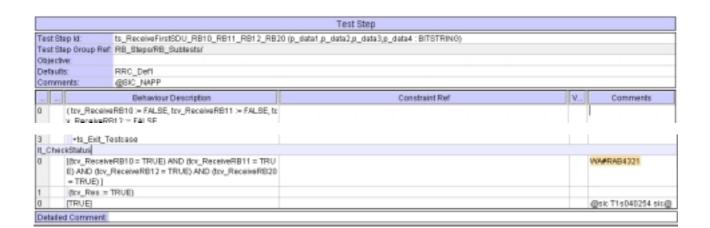
Reason for change TTCN error, wrong control variable for RB20.

Summary of change Used tcv_ReceiveRB20 instead of tcv_ReceiveRB12 for RB20.

Source of change

Label New Change

WA#RAB4321



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

	Test Step						
Test Step ld:	Step M: ts_ReceiveFirstSOU_RB10_RB11_RB20 (p_data1,p_data2,p_data3 : BITSTR1NG)						
Test Step Group Ref.	roup Ref. RB_Steps/RB_Subtects/						
Objective:							
Defaults: RRC_Deft							
Comments:	@SIC_NAPP						
	Behaviour Description	Constraint Ref	_ Comments				
	RB10 := FALSE, try_ReceiveRB11 := FALSE, RB20 := FALSE, u oc						

3	[Roy_Res =TRUE] CANCEL 1_Dly			
4	? TIMEOUT t_DIV		0	
5	+ts_Edt_Testcase			
Ch	eckStatus			
8	(try_ReceiveRB10 = TRUE) AND (try_ReceiveRB11 = TRUE) AND (try_ReceiveRB20 = TRUE) [
	dry_Res := TRUE)			
7	QLY_RES = TROED			

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_TrLogMappingDt_TN3_AMI
Group:
Type Name: TrCH_LogCHMappingList!
Derivation Path:
Encoding Variation:
Comments: WMFRAB4448

Constraint Value

[ ulconnected TrCHList OMIT, diconnected TrCHList (
```

```
It.

If _ identity tac_RB12 )

If,

If _ it child tac_DL_DCH4,

If _ it child tac_DL_DTCH4,

If _ it child tac_DL_DTCH4,

If _ it can figured: NULL,

If _ it can figured: NULL,

If _ it child tac_DL_DCH5,

If _ it child tac_DL
```

4.9 ts_Subtests_1_14_TC_14_2_38f (WA#RAB4454)

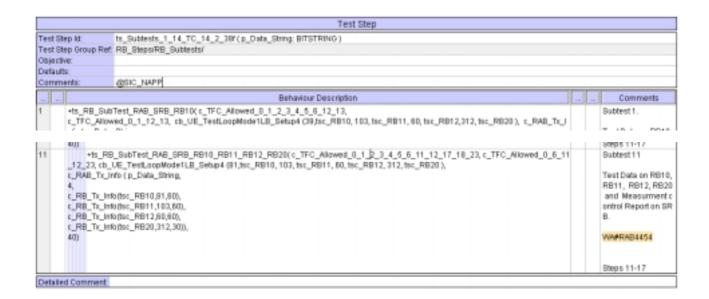
Test step name ts_Subtests_1_14_TC_14_2_38f

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 S	tep ld:	ts_SendRB_SetUpConvSpeech_12_2k_AMR_InteractBackg_8k_TO_40TTI (p_Oe8ld: INTEOER; p_	RAB,	Jd:	: BITSTRINO; p_AcfTime : ActivationTime)	
Test Step Group Ret RB_Steps/RB_Setup/						
Objective:						
Defaul	ts:	RRC_Deft				
Camm	vents:	@SIC_NAPP				
		WARRAB4488				
		Behaviour Description			Comments	
1	+ts_SetTmp	Cellinfo (p_Cellid)				
2	+ts_BendRE	_SetUpSpeech_12_2k_AMR (p_Cetilid, tsc_RAB_DetCS, p_ActTime)			ts_SendRB_SetUpDCH_Speech_12_2k_AMF	
3	+ ts_SetCel	ICfg (p_Cellid, cell_DCH_Speech)				
4	+ ts_Calcul	ateAcfTime (p_Cellid)				
5	+ts_BendF ctTime)	IB_SetUpCorwSpeech_12_2k_AMR_interactBackg_8k_TC_4UTTL_C8_P8 (p_Cellid, p_RAB_id, p_A			3.	
	A Sec. Classics	ellCfg (p_Cellid, cell_Four_DTCH_C8_P8)				

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

Summary of change: ₩

	CHANGE REQUEST							
¥ T	S 34.123-3 CR 453							
For <u>HELP</u>	on using this form, see bottom of this page or look at the pop-up text over the 光 symbols.							
Proposed chai	nge 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 cod	e:							
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) P (editorial modification) C (editorial modification) C (supplication) R98 (Release 1998) P (editorial modification) R99 (Release 1999) Detailed explanations of the above categories can be found in 3GPP TR 21.900. Release: # R99 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1999) R99 (Release 4) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)							
Reason for cha	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.							

ps_domain and tsc_RB10 RB ID for cs_domain.

 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

Consequences if not approved:	# Test Case may Fail a conformant UE.
Clauses affected:	$m{lpha}$
Other specs affected:	Y N X Other core specifications Test specifications O&M Specifications
Other comments:	*

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked \(\mathcal{x} \) contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under 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 ld:	tc_7_1_3_1							
Test Group Reference	MAC/PriorityHandi	ingBetweenDataFlowsOfOneUE/						
Purpose:	To verify that the U	rify that the UE Prioritises signalling to data on a lower priority logical channel						
Configuration								
Defaults:	RRC_Deff,RLC_0	Deft.RLC_Default						
Comments:	TS 25.321 clause 25.301 clause 5.3							
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comment			
1		START t_Quard(300)						
2		[px_FoAT = fdd]						
3		+pr_GenericSetupProcedures						
4		+ts_RRC_SetUpRAB_UM_7_RLC (tsc _DefautCellid, tov_RAB_id, cbs_Defautt RLC_infoUt()			Step 3-4			
5		+pr_CloseUE_TestLoop(tsc_UL_SDU _Size7_1_3_1)			Step 5-6			
6	TBS	(tcv_TestBody := TRUE)						
7		+it_LocalTest						
8	TBE	(trv_TestBody := FALSE)		(P)				
9		+ts_TC_DeactivateRB_TestMode(ts c_DefaultCellid)						
10		+po_ConnectionAndSS_Rel(tsc_D efaultCelld)						
11		[px_RAT = tdd]		1				
12		[TRUE]		1				

After:

Test Case Id:	1:_7_1_3_1								
Test Group Refere	nee: MAC/PriorityHandling	BetweenDataFlowsOtOneUE/							
Purpose:	To verify that the UE P	o verify that the UE Prioritises signalling to data on a lower priority logical channel							
Configuration:									
Defaults:	RRC_Deft_RLC_Deft	ault							
Comments:	TS 25.321 clause 11. 25.301 clause 5.3.1.2	•							
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comment				
1		START t Guard(300)							
2	([px_CipheringOnOff = FALSE]	1						
3	,	[px_RAT = fdd]							
4		+pr_GenericSetupProcedures							
5		+ts_RRC_SefUpRAB_UM_7_RLC (ts c_DefaultCellid, tov_RAB_jd, cbs_Defaul tRLC_infoUM)			Step 3-4				
6		+pr_CloseUE_TestLoop(tsc_UL_SD U_Size7_1_3_1)			Step 5-6				
7	TBS	(tov_TestBody = TRUE)							
В		+lt_LocalTest							
9	TBE	(tcv_TestBody := FALSE)		(P)					
10		+ts_TC_DeactivateRB_TestMode(t sc_DefaultCelld)							
11		<pre>*po_ConnectionAndSS_Rel(tsc_D efaultCelld)</pre>							
12		[px_RAT = tdd]		I					
13		[TRUE]		I					
14		[TRUE]							

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:

		Te	st Step						
Test Step Id:	nt Classiff Tarif can's	r_CloseUE_TestLoop(p_LB_Size: INTEGER)							
		_CB_BER.INTEGEN /							
Test Step Group Ref.	Preambless	Freambles/							
Objective:									
Defaults: Comments:		close the UE test loop mode, for the defau							
	14 bit value in the LB Set. Test case variables affect	Parameters: p_LB_Size: The uplink Rt_C 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: try_UE_TestLoopClosed will be set to TRUE by this test step.							
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comm				
1		+ts_TC_CloseUE_TestLoop(tsc_DefaultCellid, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup(p_LB_Size, tsc_RB20))							

After:

TILCI.				
	Test Step			
Test Step ld:	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_Cell4),	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	Come
n	[thy CN Domain = ps. domain1			

Ind	Label	Behaviour Description	Constraint Ref	Verdict	Comn
0		[trv_CN_Domain = ps_domain]			
1		+ts_TC_CloseUE_TestLpop(tsc_DefaultCellid,			
		tsc_UE_TestLoopMode1 , c_UE_TestLoopMode1 _LB_Setup(
		p_LB_Size, tar_RB20))			
0		[tov_CN_Domain = cs_domain]			
1		-ts_TC_CloseUE_TestLoop(tsc_DefaultCellid,			
		tsc_UE_TestLoopMode1 , c_UE_TestLoopMode1 _LB_Setup(
		p_LB_Stze,			
		(sc_RB10))			

CHANGE REQUEST						CR-Form-v7					
[♯] TS 3	34.12	23-3	CR	452	жr	ev	- #	Current vers	sion:	3.6.1	H
For <u>HELP</u> on u	ısing t	his for	m, see	bottom o	f this pag	e or loc	k at th	e pop-up text	t over	the # syl	mbols.
Proposed change	affec	<i>ts:</i> (JICC a	pps#	М	E R	adio A	ccess Netwo	rk	Core Ne	etwork
Title:	Addi	tion of	RAB F	<mark>ackage 3</mark>	test case	e 14.2.3	88b to I	RAB ATS V3	.6.1		
Source: ೫	Anite	9									
Work item code: ₩	N/A							Date: ₩	26/	08/04	
Category: 第	Deta	F (corr A (corr B (add C (fund D (edia led exp	rection) respond lition of ctional re torial me	wing categ ls to a corr feature), modification odification) ns of the al 'R 21.900.	rection in a n of featur bove cate	re)		Release: # Use <u>one</u> of 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the for (GSN) (Relea (Relea (Relea (Relea (Relea	•	
Reason for change		ATS \ For th	/3.6.1 e origir	nal version	n (T1s040	0438) of	f this C	es 14.2.38b ten 14	had i	n principle	Э
Summary of chang	ge: ૠ	No Ch	nanges	are requi	red in the	wk34 ⁻	TTCN.				
Consequences if not approved:	Ж	Test o	ase wi	ll not be a	idded to A	ATS					
Clauses affected:	¥										
Other specs affected:	*	Y N X X	Test s	core spec specification Specification	ons	s ¥	3				
Other comments:	$_{\aleph}$										

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

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

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

1	Overview	3
2	Table of Contents	3
3	Verification Test Summary	
4	Branches executed in test case 14.2.38b	
5	Execution Log Files	4
5.1	Nokia 3G UE 7600	4
5.2		4
6	References	4

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

	CHANGE	E REQUEST	CR-Form-V/
ж 3	4.123-3 CR 443-	≭ rev - # Current v	ersion: 3.6.1 **
For <u>HELP</u> on u	sing this form, see bottom of thi	is page or look at the pop-up t	ext over the % symbols.
Proposed change a	affects: UICC apps第	ME X Radio Access Net	work Core Network
Title: ₩	Addition of P4 RRC test case 8 There are no additional technic path test coverage in section 5	cal changes to this CR. Only c	
Source: #	Racal Instruments Wireless So	o <mark>lutions, an Aeroflex Company</mark>	
Work item code: 第	N/A	Date:	· 策 <mark>2/09/2004</mark>
Category: ₩	F Use one of the following categorie F (correction) A (corresponds to a correction B (addition of feature), C (functional modification of D (editorial modification) Detailed explanations of the above be found in 3GPP TR 21.900.	2 on in an earlier release)	of the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)
Reason for change	To add verified GCF pack V3.6.1	age 4 RRC test case 8.2.6.2 t	o the approved RRC ATS
Summary of chang	This document lists all cha See detailed change desc	anges applied to test case 8.2 cription for further information	
Consequences if not approved:	光 Test case will not be adde	ed to ATS	
Clauses affected:	ж <mark>N/A</mark>		
Other specs affected:	Y N X Other core specific X Test specifications O&M Specifications		
Other comments:			

How to create CRs using this form:

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

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

1	Overview	3
2	Table of Contents	4
3	Verification Test Summary	5
	Corrections required for test case 8.2.6.2	
5	Branches executed in test case 8.2.6.2	6
6	Execution Log Files	6
7	References	6

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.