

CR-Form v7

CHANGE REQUEST

TS34.123-3 CR 069 rev Current version: 3.1.0

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

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

Title:	Test Case 8.1.3.3
Source:	Anritsu Ltd
Work item code:	Date: 28/04/2003
Category:	Release: R99
<p>Use <u>one</u> of the following categories:</p> <p>F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>	
<p>Use <u>one</u> of the following releases:</p> <p>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)</p>	

Reason for change:	To introduce test case 8.1.3.3
Summary of change:	<ul style="list-style-type: none"> - 0 table deleted from RRCv310, - 1 table modified in RRCv310, - 0 tables added from RRCv143 - 2 new tables created. <p>For more details see below.</p>
Consequences if not approved:	Test case will not be added

Clauses affected:	N/A								
Other specs affected:	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> </tr> </table> <p>Other core specifications Test specifications O&M Specifications</p>	Y	N	X	X	X	X	X	X
Y	N								
X	X								
X	X								
X	X								
Other comments:									

How to create CRs using this form:

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

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

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

Seoul, Korea

12-15 May 2003

Title	Introducing test case 8.1.3.3
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

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1 Overview

This document details the changes needed to introduce test case 8.1.3.3 to RRCv310 by using RRCv143 as the primary source of the new tables and applying only essential fixes to the TTCN.

Note that unless otherwise specified line numbers refer to the original mp file.

2 Changes required for test-case 8.1.3.3

2.1 Tables deleted from RRCv310

None.

2.2 Tables modified in RRCv310

2.2.1 ts_GMM_IdleUpdated

Reason for change: Between Line19 and line25: Logic does not correctly discriminate between different network modes and UE modes.

Summary of Change: Correction to logic as shown below.

Change :

Test Step Name		ts_GMM_IdleUpdated (p_CellId : INTEGER)			
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
19	 [tcv_TmpB3 = '011'B]			Set global variable according to the type of attach requested by UE
20		(tcv_UE_OpMode := opModeA)			
21		[TRUE]			
22		(tcv_UE_OpMode := opModeC)			
		It_SecurityMode			
23		+ ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			SECURITY MODE COMMAND SECURITY MODE COMPLETE
		It_AttachAccept			
24		[tcv_UE_OpMode = opModeC]			
25		(tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)			Use default values
28	 [tcv_UE_OpMode = opModeA]			

To:

Test Step Name		ts_GMM_IdleUpdated (p_CellId : INTEGER)			
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
19	 [(tcv_TmpB3 = '011'B) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]			Set global variable according to the type of attach requested by UE
20		(tcv_UE_OpMode := opModeA)			
21		[tcv_TmpCellInfo.nmo = tsc_NMO_I]			
22		(tcv_UE_OpMode := opModeC)			
23		[TRUE]			
		It_SecurityMode			
24		+ ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			SECURITY MODE COMMAND SECURITY MODE COMPLETE
		It_AttachAccept			

25		[(tcv_UE_OpMode = opModeC) OR (tcv_TmpCellInfo.nmo = tsc_NMO_II)]			
26		(tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)			Use default values
29	 [(tcv_UE_OpMode = opModeA) AND (tcv_TmpCellInfo.nmo = tsc_NMO_I)]			

2.3 New Tables added to RRCv310

2.3.1 Tables from RRCv143 — no changes necessary

None.

2.3.2 Other Tables

2.3.2.1 ts_NAS_ConnRejectMO

Reason for change: Line 2 is service request that is extra as previous step ts_GMM_ServReq (in ts_GotoState6_2_Or6_4_MO) has already issued the service request.

Summary of Change: remove line 2 from table ts_NAS_ConnRejectMO.

Change:

Test Step Name		ts_NAS_ConnRejectMO (p_CellId : INTEGER)			
Nr	Label	Behaviour Description	Constraints Ref	Ver dict	Comments
1		[tcv_CN_Domain = ps_domain]			
2		Dc ? RRC_DataInd	car_InitDirectTransfer (tsc_CellDedicated , tsc_RB3, cr_ServiceRequest (c_ServiceType_v(?), c_MobileIdAny_Iv, tcv_PS_KeySeq))		SERVICE REQUEST
3		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated , tsc_RB3, cs_ServiceReject (tsc_RejCauCongestion))		SERVICE REJECT - reject cause = 'Congestion'
				

To:

Test Step Name		ts_NAS_ConnRejectMO (p_CellId : INTEGER)			
Nr	Label	Behaviour Description	Constraints Ref	Ver dict	Comments
1		[tcv_CN_Domain = ps_domain]			
2		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated , tsc_RB3, cs_ServiceReject (tsc_RejCauCongestion))		SERVICE REJECT - reject cause = 'Congestion'
				

2.3.2.2 tc_8_1_3_3

Table tc_8_1_3_3 was brought from RRCv144 since in RRCv143 it is wrongly using 2 cells which does not agree with the prose.

Reason for change:

- i) **s_RNTI mismatch:** Connection setup uses table c_U_RNTI_Def (to get s_RNTI value) which is derived from a pixit value. Connection Release on the other hand (tc_8_1_3_3, line 13: constraint cs_108_RRC_ConnRelCCCH) uses table c_U_RNTI where s_RNTI value is

hardcoded. Although the hardcoded value is the same as the pixit value it is advisable to use same table to avoid mismatch if the pixit file value is modified.

- ii) **RLC resetting:** RLC needs to be reset after Connection Release.

Summary of Change:

- i) Replace c_U_RNTI by c_U_RNTI_Def in line 13 of table tc_8_1_3_3.
- ii) Insert call to existing test step +ts_CRLC_RelReconfSRB after Connection Release as shown below.

Change tc_8_1_3_3 from:

Test Case Name	tc_8_1_3_3				
Group	RRC/RRC_ConnRelease/				
Purpose	To confirm that the UE releases all its radio resources upon the reception of a RRC CONNECTION RELEASE message on the downlink CCCH, without transmitting RRC CONNECTION RELEASE COMPLETE message on the uplink.				
Configuration					
Default	RRC_Def1				
Comments					
Selection Ref	FDD_Mode				
Description	RRC Connection Release using on CCCH in CELL_FACH state: Success				
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
				
		lt_TestBody			
13		UM ! RLC_UM_DATA_REQ	cas_RRC_ConnRelCCCH (tsc_CellA, tsc_RB0, cs 108 RRC_ConnRelCCCH (c_U_RNTI, tcv_RRC_Ti))		step 2
				
18	TBP2	?TIMEOUT t_WaitS			
19		(tcv_CellInfoA.cellConfig :=cell_FACH_NoConn)		(P)	step 3
20		+ ts_C1_CheckIdleMode (tsc_CellA)			step 4

To:

Test Case Name	tc_8_1_3_3				
Group	RRC/RRC_ConnRelease/				
Purpose	To confirm that the UE releases all its radio resources upon the reception of a RRC CONNECTION RELEASE message on the downlink CCCH, without transmitting RRC CONNECTION RELEASE COMPLETE message on the uplink.				
Configuration					
Default	RRC_Def1				
Comments					
Selection Ref	FDD_Mode				
Description	RRC Connection Release using on CCCH in CELL_FACH state: Success				
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
				
		lt_TestBody			
13		UM ! RLC_UM_DATA_REQ	cas_RRC_ConnRelCCCH (step 2

			tsc_CellA, tsc_RB0, cs_108_RRC_ConnRelCCCH (c_U_RNTI_DeI, tcv_RRC_Ti)		

18	TBP2	?TIMEOUT t_WaitS			
19		(tcv_CellInfoA.cellConfig :=cell_FACH_NoConn)		(P)	step 3
20		+ ts_CRLC_RelReconfSRB (tsc_CellA)			
21		+ ts_C1_CheckIdleMode (tsc_CellA)			step 4