Source: **T1**

Title: **TTCN CR batch 2 to TS 34.123-3 v3.4.0 for approval**

Agenda item: **5.1.3**

Document for: **Approval**

This document contains the CRs batch 2 to TS 34.123-3 v.3.4.0 TTCN part. These CRs have been agreed by T1 and are put forward to TSG T for approval. They all apply to Release 99.

Tdoc#	Title	CR#	rev	Cat	version in	Version out	TC#
T1s040199	Addition of RAB test case 14.2.29 to RAB ATS V3.4.0	189		B	3.4.0	3.5.0	14_2_29
T1s040198	Addition of RAB test case 14.2.31.1 to RAB ATS V3.4.0	190		B	3.4.0	3.5.0	14_2_31_1
T1s040197	Addition of RAB test case 14.2.32.1 to RAB ATS V3.4.0	191		B	3.4.0	3.5.0	14_2_31_2
T1s040196	Addition of RAB test case 14.4.3 to RAB ATS V3.4.0	193		B	3.3.0	3.5.0	14_4_3

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

Tdoc ⌘T1s040196

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **193** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.4.3 to RAB ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	05/03/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RAB test case 14.4.3 to the approved RAB ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 14.4.3 required for approval. See detailed change description for further information. This CR is a revision of T1s040047
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

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

Other comments: ⌘

How to create CRs using this form:
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3GPP TSG-T1 E-Mail 2004 **T1s040196**
Jan - 31 Dec 2004

Title: **Changes to test case 14.4.3 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

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

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.4.3 which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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3 Verification Test Summary

Test Case:	TC_14_4_3
Test Group:	RAB/CombinationOnSCCPCH/
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.4.3

4.1 Introduction

This section describes the changes required to make test case 14.4.3 run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

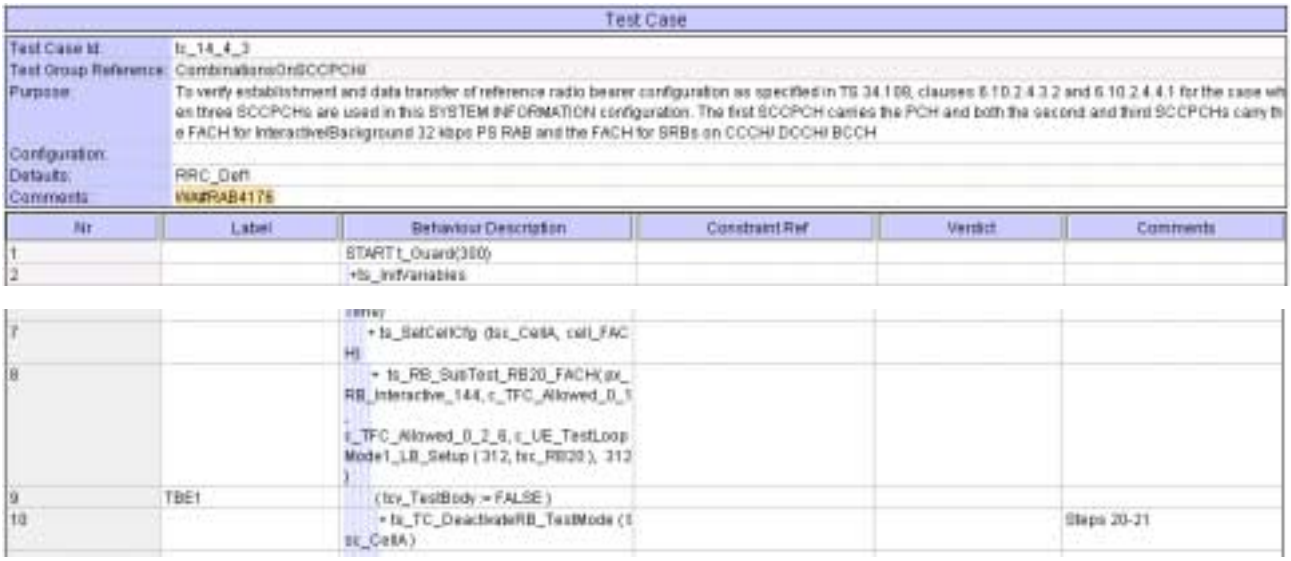
The ATS version used as basis was RAB_wk07.mp which is part of the iWD-TVB2003-03_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.4.3:

WA#RAB4021, WA#RAB4068 and WA#RAB4206.

4.2 tc_14_4_3 (WA#RAB4176)

Test step name	tc_14_4_3
Reason for change	The allowed CTFC for DL are not correct. The CTFC for signalling shoud be TFC 2 and also you need TFC 6 to allow transmit data in RB20.
Summary of change	Used c_TFC_Allowed_0_2_6 instead of c_TFC_Allowed_0_3.
Source of change	New Change
Label	WA#RAB4176



Test Case

Test Case Id:	ts_14_4_3
Test Group Reference:	CombinationsOnSCCPCH
Purpose:	To verify establishment and data transfer of reference radio bearer configuration as specified in TS 34.108, clauses 6.10.2.4.3.2 and 6.10.2.4.4.1 for the case wh en three SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH and both the second and third SCCPCHs carry th e FACH for InteractiveBackground 32 kbps PS RAB and the FACH for SRBs on CCCH/ DCCH/ BCCH
Configuration:	
Defaults:	RRC_Def1
Comments:	WA#RAB4175

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(300)			
2		+ts_InitVariables			
7		+ ts_SatCellCfg (tsc_CellA, cell_FACH)			
8		+ ts_RB_SubTest_RB20_FACH(tc_RB_Interactive_144, c_TFC_Allowed_0_1 , c_TFC_Allowed_0_2_8, c_UE_TestLoopMode1_LB_Setup (312, tsc_RB20), 312)			
9	TBE1	(tcv_TestBody := FALSE)			
10		+ ts_TC_DeactivateRB_TestMode (tsc_CellA)			Steps 20-21

4.3 ts_SendRB_SetUp_FACH_1SCCPCH_32k (WA#RAB4200)

Test step name

ts_SendRB_SetUp_FACH_1SCCPCH_32k

Reason for change

Wrong “Radio Bearer Setup” contents. In the original message IE for common channel is passed which is wrong. The UE gets this information from the SIBs 5 and 6.

The Radio Bearer message to be sent is the default one to carry the UE from RRC test state 6-8 to 6-11 (common generic procedure P14 in TS34.108).

Summary of change

Used cas_RB_SetUpAM (
tsc_CellDedicated,
tsc_RB2,
cbs_108_RB_SetUpFACH_PS (
tcv_CellIndInfo.dl_IntegrityCheckInfo,
tcv_RRC_Ti,
p_RAB_Id,
tcv_TmpCellInfo.cRNTI
))
instead of
cas_RB_SetUpAM(
tsc_CellDedicated,
tsc_RB2,
cs_RRC_RB_SetUp(
tcv_CellIndInfo.dl_IntegrityCheckInfo,
tcv_RRC_Ti,
OMIT,
cell_FACH,
OMIT,
c_RAB_InfoListFACH_PS (
c_ReEstTimerT314, p_RAB_Id, c_RLC_InfoAM_Def),
c_UL_CommTrChInfo_AM0To1(c_PowerOffsetInfoBelow64k) ,
c_UL_AddReconfTransChInfoListFACH_PS,
c_DL_CommonTransChInfo_AM_0_8,
c_DL_AddReconfTransChInfoListFACH_PS,
c_DL_InformationPerRL_FACH(tcv_TmpCellInfo.priScrmCode),
OMIT,
OMIT,
OMIT
)
)

Source of change

New Change

Label

WA#RAB4200

Test Step

Test Step Id:	ts_SendRB_SetUp_FACH_1SCCPCH_32k (p_CellId: INTEGER; p_RAB_Id : BITSTRING;p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def\
Comments:	WA#RAB4260

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, cbs_108_RB_SetUpFACH_PS (tcv_CellIndInfo.dl_IntegrityChecKInfo, tcv_RRC_Ti, p_RAB_Id, tcv_TmpCellInfo.cRNTI))		WA#RAB4260
3	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId, cell_FACH)			

4.4 ts_SendRB_SetUp_FACH_1SCCPCH_32k (WA#RAB4260)

Test step name	ts_SendRB_SetUp_FACH_1SCCPCH_32k
Reason for change	Unnecessary Local reconfiguration in Radio Bearer Setup procedure as the configuration is already present since the cell is created (ts_SS_CreateCellFACH).
Summary of change	Removed line with test step “ts_SS_RACH_CCCH_DCCH_DTCH_Modify”
Source of change	New Change
Label	WA#RAB4260

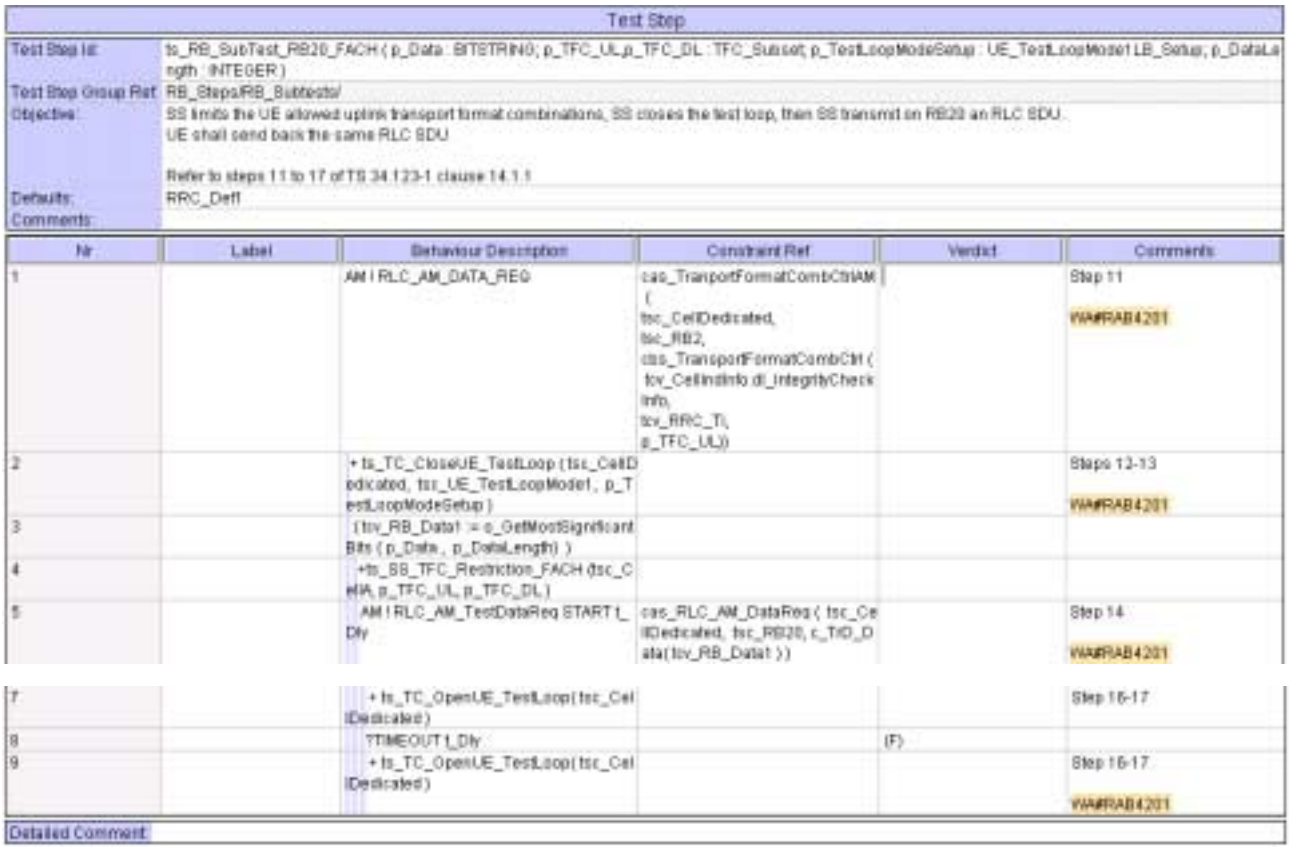
Test Step

Test Step Id:	ts_SendRB_SetUp_FACH_1SCCPCH_32k (p_CellId: INTEGER; p_RAB_Id : BITSTRING;p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def\
Comments:	WA#RAB4260

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, cbs_108_RB_SetUpFACH_PS (tcv_CellIndInfo.dl_IntegrityChecKInfo, tcv_RRC_Ti, p_RAB_Id, tcv_TmpCellInfo.cRNTI))		WA#RAB4260
3	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId, cell_FACH)			

4.5 ts_RB_SubTest_RB20_FACH (WA#RAB4201)

Test step name	ts_RB_SubTest_RB20_FACH
Reason for change	Wrong Cell identity.
Summary of change	Used tsc_CellDedicated instead of tsc_CellA
Source of change	New Change
Label	WA#RAB4201



Test Step

Test Step Id:	ts_RB_SubTest_RB20_FACH (p_Data : BITSTRING; p_TFC_UL,p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1.LB_Setup; p_DataLength : INTEGER)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB20 an RLC SDU. UE shall send back the same RLC SDU Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1
Defaults:	RRC_Def!
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM ! RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, ctss_TransportFormatCombCtrl (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, p_TFC_UL))		Step 11 WA#RAB4201
2		+ ts_TC_CloseUE_TestLoop (tsc_CellDedicated, tsc_UE_TestLoopMode1, p_TestLoopModeSetup)			Steps 12-13 WA#RAB4201
3		{ tcv_RB_Data! := c_GetMostSignificantBits (p_Data, p_DataLength) }			
4		+ts_SS_TFC_Restriction_FACH (tsc_CellA, p_TFC_UL, p_TFC_DL)			
5		AM ! RLC_AM_TestDataReq START t_Dly	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TID_Data(tcv_RB_Data!))		Step 14 WA#RAB4201
7		+ ts_TC_OpenUE_TestLoop(tsc_CellDedicated)			Step 16-17
8		?TIMEOUT t_Dly		(F)	
9		+ ts_TC_OpenUE_TestLoop(tsc_CellDedicated)			Step 16-17 WA#RAB4201

Detailed Comment:

4.6 c_TrLogMappingPCH_FACH_PS (WA#RAB4272)

Test step name	c_TrLogMappingPCH_FACH_PS
Reason for change	Order in the tranport channel identities does not match with the TFCS configuration. Channel id tsc_FACH2 should be the last one in the list.
Summary of change	Put tsc_FACH2 (RB20) at the end of the list, after tsc_PCH1 and tsc_FACH1
Source of change	New Change
Label	WA#RAB4272

ASN.1 Type Constraint Declaration	
Constraint Name:	c_TrLogMappingPCH_FACH_PS
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	For FDD mode only (PS): map PCCH to PCH and DCCH1, DCCH2, DCCH3, DCCH4, CCCH, BCCH(for BCCH_FACH) to FACH2, and DTCH to FACH1 AW#RAB4272

Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 dlconnectedTrCHList {
  {
   trchid tsc_PCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType pch,
      logicalChannelIdentity tsc_PCCH1,
      logicalChannelType pCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
     },
     rB_Identity tsc_RB_PCCH
    }
   }
  },
  {
   trchid tsc_FACH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType fach,
      logicalChannelIdentity tsc_BCCH6,
      logicalChannelType bCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 6
     },
     rB_Identity tsc_RB_BCCH_FACH
    },
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType fach,
      logicalChannelIdentity tsc_DL_CCCH5,
      logicalChannelType cCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
     },
     rB_Identity tsc_RB0
    },
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType fach,
      logicalChannelIdentity tsc_DL_DCCH1,
      logicalChannelType dCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
     },
     rB_Identity tsc_RB1
    },
    {
```

```
      logicalChannel_Mapping dl_LogicalChannelMapping : {
       macHeaderManipulation normalMacHeader,
       dl_TransportChannelType fach,
       logicalChannelIdentity tsc_DL_DCCH2,
       logicalChannelType dCCH,
       rlc_SizeList configured : NULL,
       mac_LogicalChannelPriority 2
      },
      rB_Identity tsc_RB2
     },
     {
      logicalChannel_Mapping dl_LogicalChannelMapping : {
       macHeaderManipulation normalMacHeader,
       dl_TransportChannelType fach,
       logicalChannelIdentity tsc_DL_DCCH3,
       logicalChannelType dCCH,
       rlc_SizeList configured : NULL,
       mac_LogicalChannelPriority 3
      },
      rB_Identity tsc_RB3
     },
     {
      logicalChannel_Mapping dl_LogicalChannelMapping : {
       macHeaderManipulation normalMacHeader,
       dl_TransportChannelType fach,
       logicalChannelIdentity tsc_DL_DCCH4,
       logicalChannelType dCCH,
       rlc_SizeList configured : NULL,
       mac_LogicalChannelPriority 4
      },
      rB_Identity tsc_RB4
     }
    }
   },
```

```
   {
    trchId tsc_FACH2,
    trCH_LogCHMappingList {
     {
      logicalChannel_Mapping dl_LogicalChannelMapping : {
       macHeaderManipulation normalMacHeader,
       dl_TransportChannelType fach,
       logicalChannelIdentity tsc_DL_DTCH1,
       logicalChannelType dTCH,
       rlc_SizeList configured : NULL,
       mac_LogicalChannelPriority 8
      },
      rB_Identity tsc_RB20
     }
    }
   }
  }
 }
```

Detailed Comment

5 Branches executed in test case 14.4.3

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

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- **Execution log files 14_4_3_PS-Nokia-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_4_3-pics-pixit-Nokia.html**
  Text file containing all PICS/PIXIT parameters used for testing.

6.2 Ericsson 3G UE U100

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

- **Execution log files 14_4_3_PS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_4_3-pics-pixit- Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040048**

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

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

Tdoc ⌘T1s040197

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **191-** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.2.32.1 to RAB ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	05/03/2004
Category:	⌘	**B**
Release:	⌘	R99

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A *(corresponds to a correction in an earlier release)*
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R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	To add verified GCF package 2 RAB test case 14.2.32.1 to the approved RAB ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 14.2.32.1 required for approval. See detailed change description for further information. This CR is a revision of T1s040039
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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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 **T1s040197**
01 Jan - 31 Dec 2004

Title: **Changes to test case 14.2.32.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

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

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.32.1 which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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3 Verification Test Summary

Test Case:	TC_14_2_32_1
Test Group:	RAB/CombinationOnDPCH/Interactive_Background/
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.2.32.1

4.1 Introduction

This section describes the changes required to make test case 14.2.32.1 run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

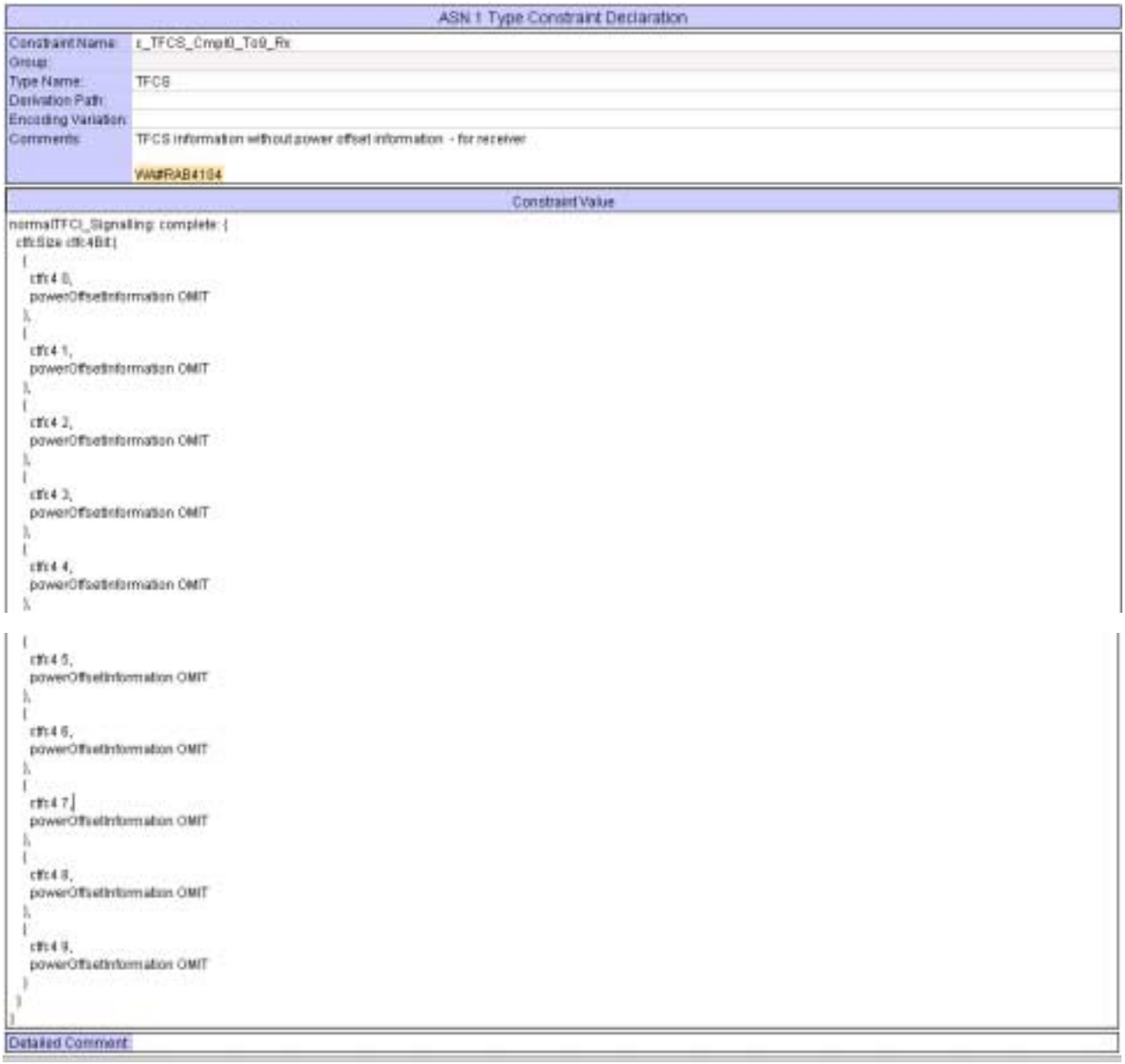
The ATS version used as basis was RAB_wk04.mp which is part of the iWD-TVB2003-03_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.32.1:

WA#RAB4021, WA#RAB4030, WA#RAB4031, WA#RAB4054, WA#RAB4055, WA#RAB4057, WA#RAB4058, WA#RAB4060, WA#RAB4068, WA#RAB4091, WA#RAB4092, WA#RAB4093, WA#RAB4095, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4102, WA#RAB4103, WA#RAB4105, WA#RAB4178, WA#RAB4179, WA#RAB4190, WA#RAB4206, WA#RAB4208, WA#RAB4209, WA#RAB4210, WA#RAB4211, WA#RAB4212, WA#RAB4251, WA#RAB4254 WA#RAB4257 and WA#RAB4257.

4.2 c_TFCS_Cmpl0_To9_Rx (WA#RAB4104)

Test step name	c_TFCS_Cmpl0_To9_Rx
Reason for change	Wrong CTFC (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4104



ASN.1 Type Constraint Declaration

Constraint Name:	c_TFCS_Cmpt0_To9_Rx
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information without power offset information - for receiver WA#RAB4104

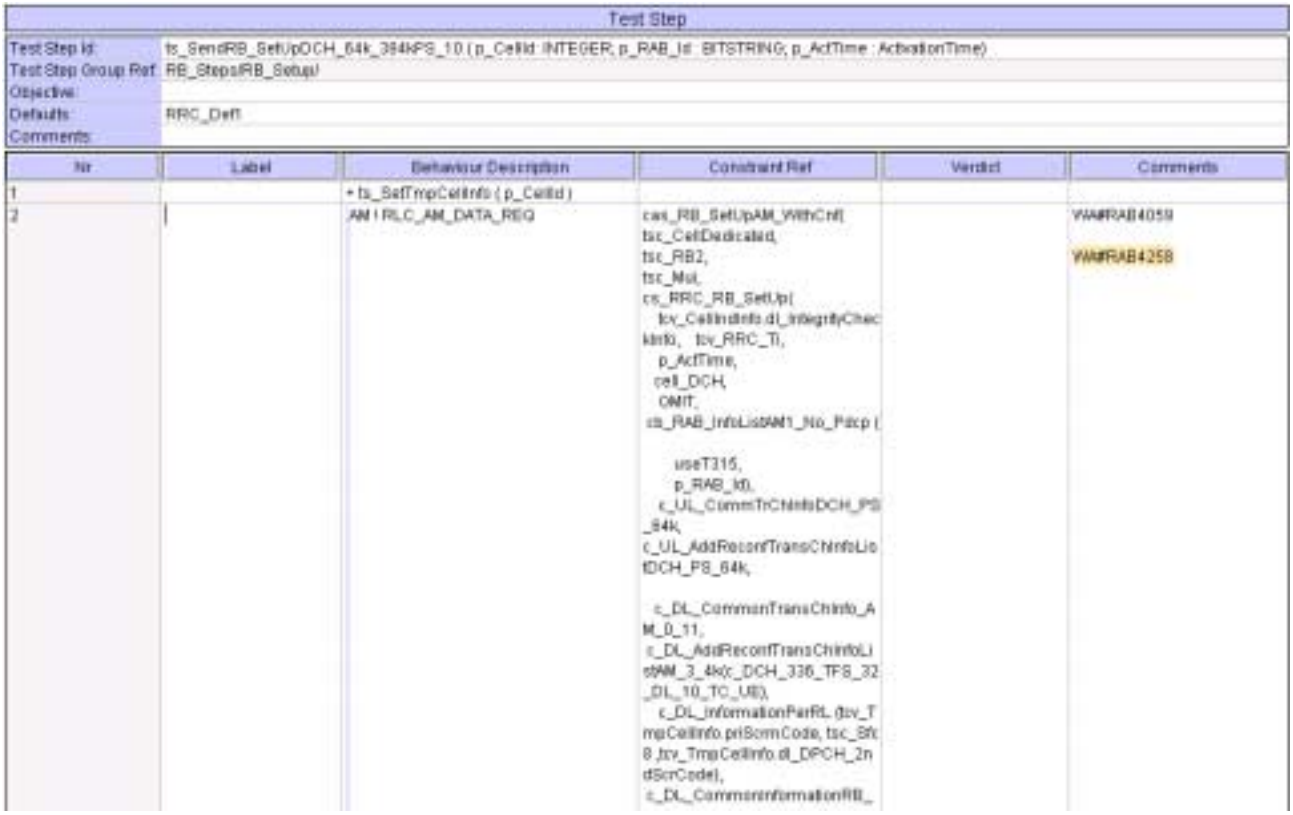
Constraint Value

```
normalTFCI_Signalling: complete: {
 ctfcSize ctfc4Bit:{
  {
   ctfc4 0,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 1,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 2,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 3,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 4,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 5,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 6,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 7,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 8,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 9,
   powerOffsetInformation OMIT
  }
 }
}
```

Detailed Comment:

4.3 ts_SendRB_SetUpDCH_64k_384kPS_10 (WA#RAB4258)

Test step name	ts_SendRB_SetUpDCH_64k_384kPS_10
Reason for change	Wrong value for "re-EstablishmentTimer" according to the default values (TS 34.108). Should be used T315 (PS), not T314.
Summary of change	Used "useT315" instead of "c_ReEstTimerT314"
Source of change	New Change
Label	WA#RAB4258



Test Step

Test Step Id:	ts_SendRB_SetUpDCH_64k_384kPS_10 (p_CellId: INTEGER; p_RAB_Id: BITSTRING; p_ActTime : ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def!
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mul, cs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityChecksInfo, tcv_RRC_TI, p_ActTime, cell_DCH, OMIT, cb_RAB_InfoListAM1_No_Pdcp (useT315, p_RAB_Id), c_UL_CommTrChInfoDCH_PS_64k, c_UL_AddReconfTransChInfoListDCH_PS_64k, c_DL_CommonTransChInfo_AM_0_11, c_DL_AddReconfTransChInfoListAM_3_4k(c_DCH_336_TFS_32_DL_10_TC_UE), c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_Sfc8,tcv_TmpCellInfo.dl_DPCH_2ndScrCode), c_DL_CommonInformationRB_		WA#RAB4059 WA#RAB4258

4.4 cb_RAB_InfoListAM1_No_Pdcp (WA#RAB4256)

Test step name	cb_RAB_InfoListAM1_No_Pdcp
Reason for change	Wrong value for “max-RST” and “timerPoll” according to the default values (TS 34.108). Should be used for max-RST rst4 (instead of e rst1) and for timerPoll tp200 (instead of tp400).
Summary of change	Used new constraint “c_RLC_InfoAM_Def_PS” containing the correct default values (WA#RAB4253) instead of “c_RLC_InfoAM_Def”
Source of change	New Change
Label	WA#RAB4256

ASN.1 Type Constraint Declaration

Constraint Name:	cb_RAB_InfoListAM1_No_Pdcp (p_ReEstTimer: Re_EstablishmentTimer; p_RAB_Id: BITSTRING)
Group:	
Type Name:	RAB_InformationSetupList
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4256

Constraint Value

```
{
 {
  rab_Info { rab_Identity gsm_MAP_RAB_Identity p_RAB_Id,
   cn_DomainIdentity ps_domain,
   re_EstablishmentTimer p_ReEstTimer
  },
  rb_InformationSetupList {} --RB_InformationSetupList
    rb_Identity tsc_RB20,
    pdcp_Info OMIT,
    rlc_InfoChoice rlc_Info : c_RLC_InfoAM_Def_PS,
    rb_MappingInfo {} --RB_MappingOption
      ul_LogicalChannelMappings oneLogicalChannel:
       ul_TransportChannelType dch: tsc_UL_DCH1,
       logicalChannelIdentity OMIT,
       rlc_SizeList configured: NULL,
       mac_LogicalChannelPriority 8
      },
      dl_LogicalChannelMappingList {{
```

4.5 c_RLC_InfoAM_Def_PS (WA#RAB4253)

Test step name	c_RLC_InfoAM_Def_PS
Reason for change	In order to implementate a WA#RAB4254 a new constraint is needed.
Summary of change	Created a new constraint “c_RLC_InfoAM_Def_PS” (based in “c_RLC_InfoAM_Def”) containing the correct default values for “max-RST” and “timerPoll”. This constraint introduces another new constraint with the commented values for AM mode: “cb_UL_AM_RLC_rst4_tp200” (see WA#RAB4252).
Source of change	New Change
Label	WA#RAB4253

ASN.1 Type Constraint Declaration

Constraint Name:	c_RLC_InfoAM_Def_PS
Group:	
Type Name:	RLC_Info
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4253

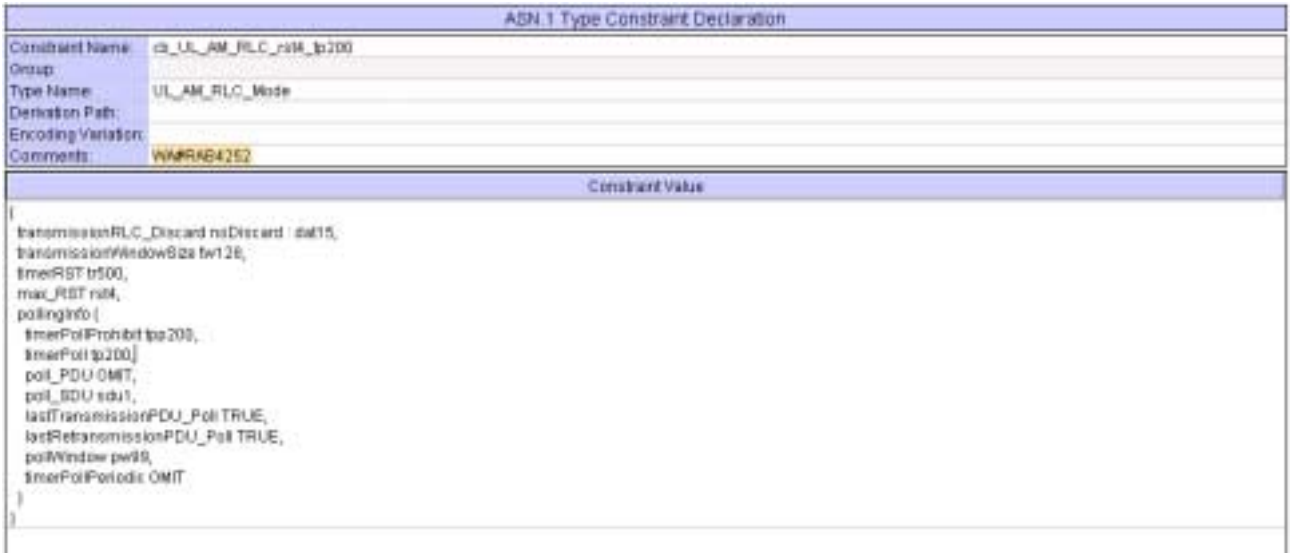
Constraint Value

```
{
 ul_RLC_Mode ul_AM_RLC_Mode: cb_UL_AM_RLC_rst4_tp200 ,
 dl_RLC_Mode dl_AM_RLC_Mode : cb_DL_AM_RLC
}
```

4.6 cb_UL_AM_RLC_rst4_tp200 (WA#RAB4252)

Test step name	cb_UL_AM_RLC_rst4_tp200
Reason for change	In order to implementate a WA#RAB4253 a new constraint is needed.
Summary of change	Created a new constraint “cb_UL_AM_RLC_rst4_tp200” (based in

	“cb_UL_AM_RLC_rst4_tp200”) containing the correct default values for “max-RST” and “timerPoll” for this configuration.
Source of change	New Change
Label	WA#RAB4252



ASN.1 Type Constraint Declaration

Constraint Name:	cb_UL_AM_RLC_rst4_tp200
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4252

Constraint Value

```
{
 transmissionRLC_Discard noDiscard : dat15,
 transmissionWindowSize fw128,
 timerRST tr500,
 max_RST rst4,
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll tp200,
  poll_PDU OMIT,
  poll_SDU sdu1,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

4.7 c_DL_AddReconfTransChInfoListAM_3_4k (WA#RAB4043)

Test step name	c_DL_AddReconfTransChInfoListAM_3_4k
Reason for change	Wrong parameter used when setting up RAB20: according to the default configuration for the “ Added or Reconfigured DL TrCH information” IE is “ Same as UL ” for tsc_DL_DCH5.

Summary of change	used c_DL_AddReconfTransChInfo (tsc_DL_DCH5, tsc_UL_DCH5) intead of {
	
	dl_TransportChannelType dch,
	
	dl_transportChannelIdentity tsc_DL_DCH5,
	
	tfs_SignallingMode explicit_config : dedicatedTransChTFS : c_DCH_148_TFS_UE_DL,
	
	dch_QualityTarget { bler_QualityValue -20 },
	
	dummy OMIT
	
	}

Source of change	New Change
Label	WA#RAB4043

ASN.1 Type Constraint Declaration

Constraint Name:	c_DL_AddReconfTransChInfoListAM_3_4k (p_DedTranChTFS:DedicatedTransChTFS)
Group:	
Type Name:	DL_AddReconfTransChInfoList
Derivation Path:	
Encoding Variation:	
Comments:	@SIC_NAPP WA#RAB4043

Constraint Value

```
{ {
  dl_TransportChannelType dch,
  dl_transportChannelIdentity tsc_DL_DCH1,
  tfs_SignallingMode explicit_config : dedicatedTransChTFS : p_DedTranChTFS,
  dch_QualityTarget { bler_QualityValue -20 },
  dummy OMIT

 },
 c_DL_AddReconfTransChInfo (tsc_DL_DCH5, tsc_UL_DCH5)
}
```

4.8 c_TrLogMappingDL_2_PS (WA#RAB4040)

Test step name	ts_SendRB_SetUpDCH_64k_128kPS
Reason for change	Order for RBs in constraint leads to Radio Bearer Set Up procedure failure. The order is related with the defined TFCS. RB20 must be first.
Summary of change	Changed order: RB20 first.
Source of change	New Change
Label	WA#RAB4040

ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingDL_2_PS
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4040

Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 dlconnectedTrCHList {
  {
   trchId tsc_DL_DCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType dch,
      logicalChannelIdentity tsc_DL_DTCH1,
      logicalChannelType dTCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 8
     },
     rB_Identity tsc_RB20
    }
   }
  },
  {
   trchId tsc_DL_DCH5,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType dch,
      logicalChannelIdentity tsc_DL_DCCH1,
      logicalChannelType dCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
```

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

4.9 ts_RB_SubTest_RB20_AM (WA#RAB4214)

Test step name	ts_RB_SubTest_RB20_AM
Reason for change	All bit strings need to be initialised every time they are used. As this test step is used more than one time in one single execution (if both pc_Interactive and pc_Background are enable), variables tcv_RB_testdata2 and tcv_RB_testdata3 need to initialised in this test step.
Summary of change	Added in the initialiation list in line 1 of local test step It_Receive, the variables tcv_RB_testdata2 :="B, tcv_RB_testdata3 :="B
Source of change	New Change
Label	WA#RAB4214

Test Step	
Test Step Id:	ts_RB_SubTest_RB20_AM (p_Data : BITSTRING; p_TFC_UL,p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1LB_Setup; p_ULSDULength, p_DLSDULength : INTEGER)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB20 an RLC SDU. UE shall send back the same RLC SDU. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM ! RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated,		Step 11

10		+ tc_TC_OpenUE_TestLoop (tsc_C ellDedicated)			Step 16-17
lt_Receive					
11		(tcv_Len:=0, tcv_testdata2_len :=8, tcv_RB_testdata1 := tcv_RB_Data1, tcv_RB_testdata2 :='8', tcv_RB_testdata3 :='8')			VAMRAB4214
12		(tcv_Len := (p_ULSDULength - p_DLSD ULength))			
13		[tcv_Len >0]			
14		REPEAT lt_Add UNTIL [tcv_Len<=p_D LSDULength]			

5 Branches executed in test case 14.2.32.1

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

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- **Execution log files 14_2_32_1_PS-Nokia-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_32_1-pics-pixit-Nokia.html**
  Text file containing all PICS/PIXIT parameters used for testing.

6.2 Ericsson 3G UE U100

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

- **Execution log files 14_2_32_1_PS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_32_1-pics-pixit-Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040040**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

Tdoc ⌘T1s040198

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **190-** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.2.31.1 to RAB ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	05/03/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RAB test case 14.2.31.1 to the approved RAB ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 14.2.31.1 required for approval. See detailed change description for further information. This CR is a revision of T1s040037
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

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

Other comments:	⌘	

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

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

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

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

3GPP TSG-T1 E-Mail 2004 **T1s040198**
01 Jan - 31 Dec 2004

Title: **Changes to test case 14.2.31.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

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

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.31.1 which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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3 Verification Test Summary

Test Case:	TC_14_2_31_1
Test Group:	RAB/CombinationOnDPCH/Interactive_Background/
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.2.31.1

4.1 Introduction

This section describes the changes required to make test case 14.2.31.1 run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RAB_wk04.mp which is part of the iWD-TVB2003-03_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.31.1:

WA#RAB4021, WA#RAB4030, WA#RAB4031, WA#RAB4054, WA#RAB4055, WA#RAB4057, WA#RAB4059, WA#RAB4060, WA#RAB4068, WA#RAB4091, WA#RAB4092, WA#RAB4093, WA#RAB4095, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4102, WA#RAB4103, WA#RAB4178, WA#RAB4179, WA#RAB4190, WA#RAB4206, WA#RAB4208, WA#RAB4209, WA#RAB4210, WA#RAB4211, WA#RAB4212, WA#RAB4251, WA#RAB4254 WA#RAB4255 and WA#RAB4258.

4.2 c_TFCS_Cmpl0_To9_Rx (WA#RAB4104)

Test step name	c_TFCS_Cmpl0_To9_Rx
Reason for change	Wrong CTFC (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4104

ASN.1 Type Constraint Declaration

Constraint Name:	c_TFCS_Cmpl0_To9_Rx
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information without power offset information - for receiver WA#RAB4104

Constraint Value

```
normalTFCI_Signalling: complete {
 ctfcSize ctfc4Bit:{
  {
   ctfc4 0,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 1,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 2,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 3,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 4,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 5,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 6,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 7,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 8,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 9,
   powerOffsetInformation OMIT
  }
 }
}
```

Detailed Comment:

4.3 c_TFCS_Cmpl0_To9_Tx (WA#RAB4105)

Test step name	c_TFCS_Cmpl0_To9_Tx
Reason for change	Wrong CTFC (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4105

ASN.1 Type Constraint Declaration

Constraint Name:	c_TFCS_Cmpl0_To9_Tx (p_PowerOffsetInformation : PowerOffsetInformation)
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information with power offset information - for transmitter WA#RAB4105

Constraint Value

```
normalTFCI_Signalling: complete: {
 ctfcSize ctfc4Bit:{
  {
   ctfc4 0,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 1,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 2,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 3,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 4,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 5,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 6,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 7,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 8,
   powerOffsetInformation c_PowerOffsetInfoComputed
  },
  {
   ctfc4 9,
   powerOffsetInformation p_PowerOffsetInformation
  }
 }
}
```

Detailed Comment:

4.4 c_TrLogMappingDL_2_PS (WA#RAB4040)

Test step name	ts_SendRB_SetUpDCH_64k_128kPS
Reason for change	Order for RBs in constraint leads to Radio Bearer Set Up procedure failure. The order is related with the defined TFCS. RB20 must be first.
Summary of change	Changed order: RB20 first.
Source of change	New Change
Label	WA#RAB4040

ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingDL_2_PS
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4040

Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 dlconnectedTrCHList {
  {
   trchid tsc_DL_DCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType dch,
      logicalChannelIdentity tsc_DL_DTCH1,
      logicalChannelType dTCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 8
     },
     rB_Identity tsc_RB20
    }
   }
  },
  {
   trchid tsc_DL_DCH5,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType dch,
      logicalChannelIdentity tsc_DL_DCCH1,
      logicalChannelType dCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
```

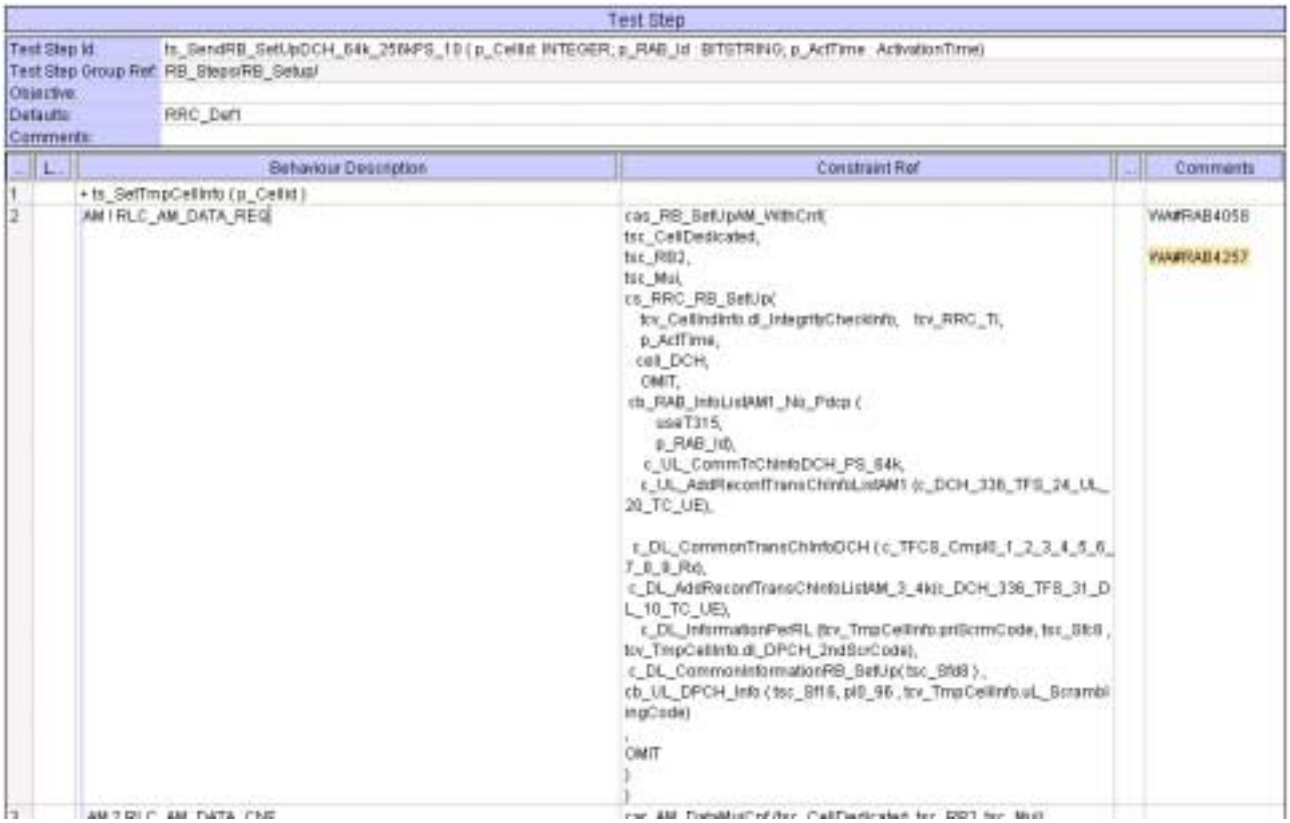
```
      },
      rB_Identity tsc_RB1
    },
    {
      logicalChannel_Mapping dl_LogicalChannelMapping : {
        macHeaderManipulation normalMacHeader,
        dl_TransportChannelType dch,
        logicalChannelIdentity tsc_DL_DCCH2,
        logicalChannelType dCCH,
        rlc_SizeList configured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

4.5 c_DL_AddReconfTransChInfoListAM_3_4k (WA#RAB4043)

Test step name	c_DL_AddReconfTransChInfoListAM_3_4k
Reason for change	Wrong parameter used when setting up RAB20: according to the default configuration for the " Added or Reconfigured DL TrCH information" IE is " Same as UL " for tsc_DL_DCH5.
Summary of change	used c_DL_AddReconfTransChInfo (tsc_DL_DCH5, tsc_UL_DCH5) intead of { dl_TransportChannelType dch, dl_transportChannelIdentity tsc_DL_DCH5, tfs_SignallingMode explicit_config : dedicatedTransChTFS : c_DCH_148_TFS_UE_DL, dch_QualityTarget { bler_QualityValue -20 }, dummy OMIT }
Source of change	New Change
Label	WA#RAB4043

4.6 ts_SendRB_SetUpDCH_64k_256kPS_10 (WA#RAB4257)

Test step name	ts_SendRB_SetUpDCH_64k_256kPS_10
Reason for change	Wrong value for "re-EstablishmentTimer" according to the default values (TS 34.108). Should be used T315 (PS), not T314.
Summary of change	Used "useT315" instead of "c_ReEstTimerT314"
Source of change	New Change
Label	WA#RAB4257



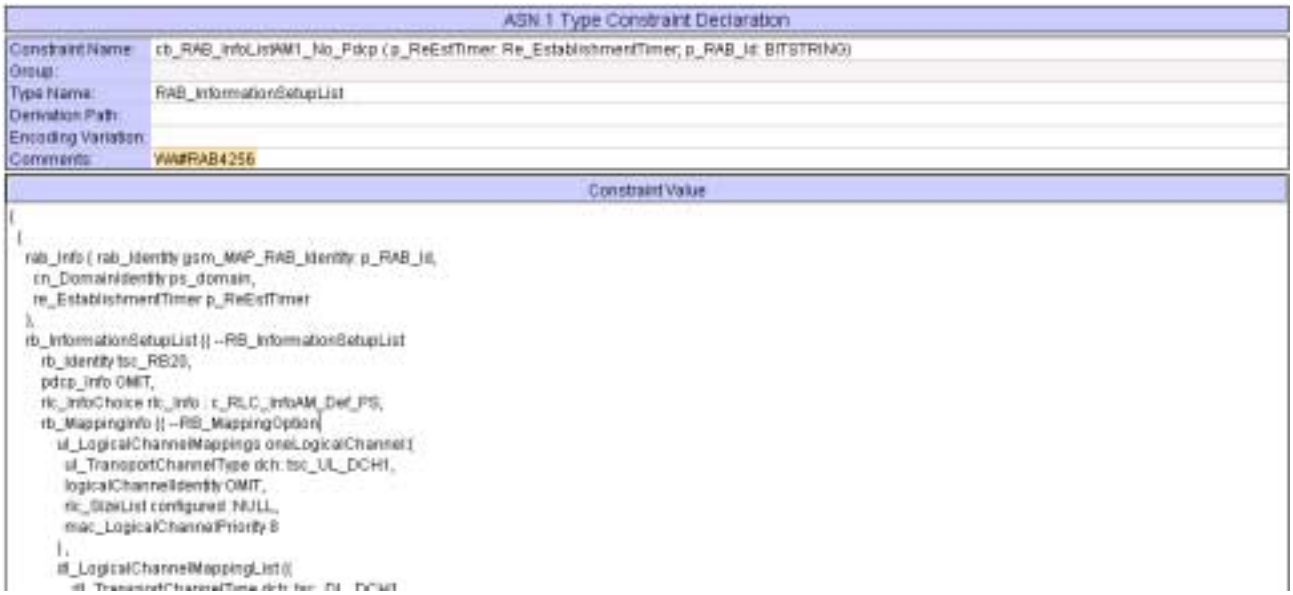
Test Step

Test Step Id:	ts_SendRB_SetUpDCH_64k_256kPS_1() (p_CellId: INTEGER; p_RAB_Id: BITSTRING; p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def1
Comments:	

	L..	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mul, cs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, p_ActTime, cell_DCH, OMIT, cb_RAB_InfoListAM1_No_Pdcp (useT315, p_RAB_Id, c_UL_CommTrChInfoDCH_PS_64k, c_UL_AddReconfTransChInfoListAM1 (c_DCH_336_TFS_24_UL_20_TC_UE), c_DL_CommonTransChInfoDCH (c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Rb), c_DL_AddReconfTransChInfoListAM_3_4kb (c_DCH_336_TFS_31_DL_10_TC_UE), c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_Bit8, tcv_TmpCellInfo.dl_DPCH_2ndScrCode), c_DL_CommonInformationRB_SetUp(tsc_Bit8), cb_UL_DPCH_Info (tsc_Bit16, pl0_96, tcv_TmpCellInfo.uL_ScramblingCode) , OMIT))		WA#RAB4058 WA#RAB4257
3		AM ? RLC_AM_DATA_CNF	cas_AM_DataReqCnf(tsc_CellDedicated, tsc_RB2, tsc_Mul)		

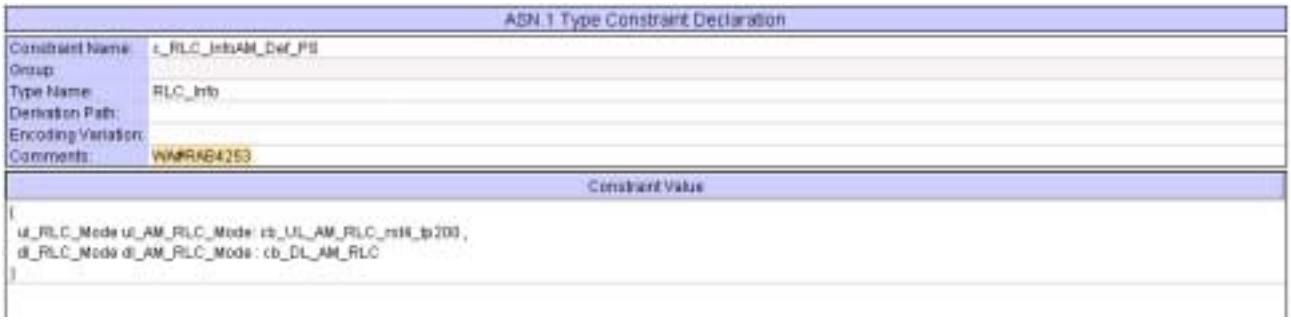
4.7 cb_RAB_InfoListAM1_No_Pdcp (WA#RAB4256)

Test step name	cb_RAB_InfoListAM1_No_Pdcp
Reason for change	Wrong value for “max-RST” and “timerPoll” according to the default values (TS 34.108). Should be used for max-RST rst4 (instead of e rst1) and for timerPoll tp200 (instead of tp400).
Summary of change	Used new constraint “c_RLC_InfoAM_Def_PS” containing the correct default values (WA#RAB4253) instead of “c_RLC_InfoAM_Def”
Source of change	New Change
Label	WA#RAB4256



4.8 c_RLC_InfoAM_Def_PS (WA#RAB4253)

Test step name	c_RLC_InfoAM_Def_PS
Reason for change	In order to implementate a WA#RAB4254 a new constraint is needed.
Summary of change	Created a new constraint “c_RLC_InfoAM_Def_PS” (based in “c_RLC_InfoAM_Def”) containing the correct default values for “max-RST” and “timerPoll”. This constraint introduces another new constraint with the commented values for AM mode: “cb_UL_AM_RLC_rst4_tp200” (see WA#RAB4252).
Source of change	New Change
Label	WA#RAB4253



4.9 cb_UL_AM_RLC_rst4_tp200 (WA#RAB4252)

Test step name	cb_UL_AM_RLC_rst4_tp200
Reason for change	In order to implementate a WA#RAB4253 a new constraint is needed.
Summary of change	Created a new constraint “cb_UL_AM_RLC_rst4_tp200” (based in “cb_UL_AM_RLC_rst4_tp200”) containing the correct default values for

“max-RST” and “timerPoll” for this configuration.

Source of change New Change

Label WA#RAB4252

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

Constraint Value

```
{
 transmissionRLC_Discard maxDiscard : dat15,
 transmissionWindowSize tw128,
 timerRST tr500,
 max_RST rst4,
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll tp200,
  poll_PDU OMIT,
  poll_SDU sdu1,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

4.10 ts_RB_SubTest_RB20_AM (WA#RAB4214)

Test step name ts_RB_SubTest_RB20_AM

Reason for change All bit strings need to be initialised every time they are used. As this test step is used more than one time in one single execution (if both pc_Interactive and pc_Background are enable), variables tcv_RB_testdata2 and tcv_RB_testdata3 need to initialised in this test step.

Summary of change Added in the initialiation list in line 1 of local test step lt_Receive, the variables tcv_RB_testdata2 :="B,

tcv_RB_testdata3 :="B

Source of change New Change

Label WA#RAB4214

Test Step	
Test Step Id:	ts_RB_SubTest_RB20_AM (p_Data : BITSTRING; p_TFC_UL,p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1LB_Setup; p_ULSDULength, p_DLSDULength : INTEGER)
Test Step Group Ref:	RB_Steps/RB_Subtests/
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB20 an RLC SDU. UE shall send back the same RLC SDU. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM ! RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated,		Step 11

10		+ fx_TC_OpenUE_TestLoop (fscr_C ellDedicated)			Step 16-17
lt_Receive					
11		(tcv_Len:=0, tcv_testdata2_len :=8, tcv_RB_testdata1 := tcv_RB_Data1, tcv_RB_testdata2 :='8', tcv_RB_testdata3 :='8')			VAMRAB4214
12		(tcv_Len := (p_ULSDULength - p_DLSD ULength))			
13		[tcv_Len >0]			
14		REPEAT lt_Add UNTIL [tcv_Len<=p_D LSDULength]			

5 Branches executed in test case 14.2.31.1

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

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- **Execution log files 14_2_31_1_PS-Nokia-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_31_1-pics-pixit-Nokia.html**
  Text file containing all PICS/PIXIT parameters used for testing.

6.2 Ericsson 3G UE U100

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

- **Execution log files 14_2_31_1_PS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_31_1-pics-pixit-Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040038**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

Tdoc ⌘T1s040199

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 189** ⌘ **rev -** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.2.29 to RAB ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	05/03/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RAB test case 14.2.29 to the approved RAB ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 14.2.29 required for approval. See detailed change description for further information. This CR is a revision of T1s040035
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

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

Other comments:	⌘	

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

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

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

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

3GPP TSG-T1 E-Mail 2004 **T1s040199**
01 Jan - 31 Dec 2004

Title: **Changes to test case 14.2.29 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

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

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.29 which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

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

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3 Verification Test Summary

Test Case:	TC_14_2_29
Test Group:	RAB/CombinationOnDPCH/Interactive_Background/
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.2.29

4.1 Introduction

This section describes the changes required to make test case 14.2.29 run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

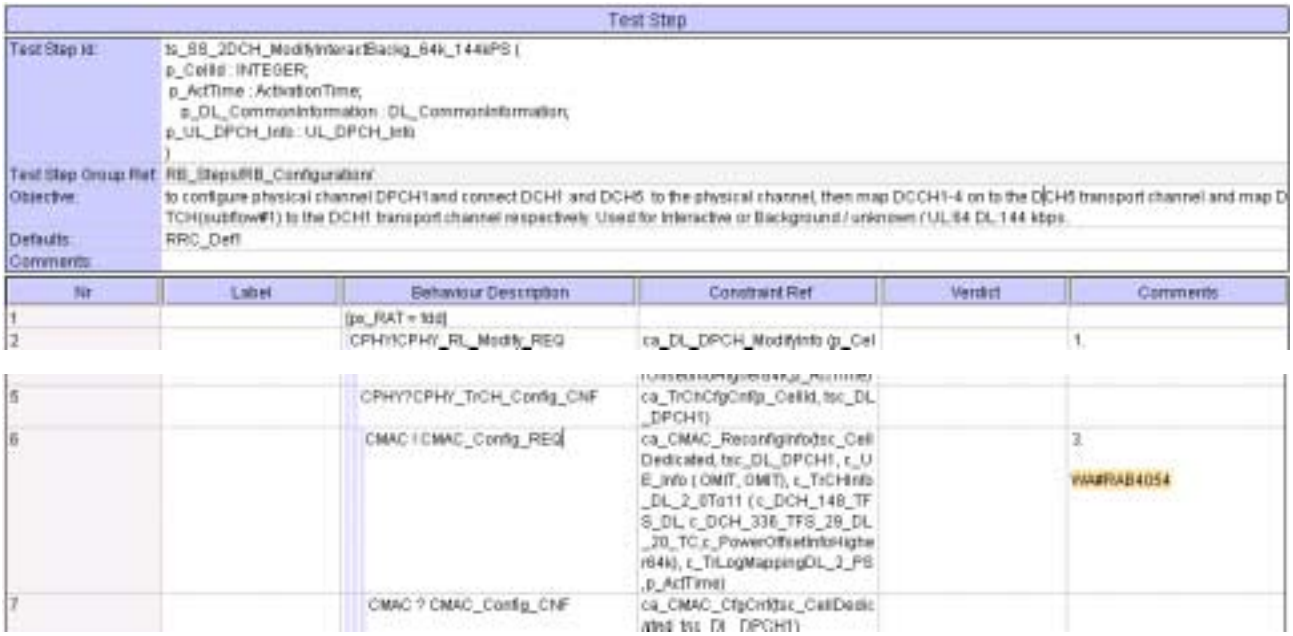
The ATS version used as basis was RAB_wk04.mp which is part of the iWD-TVB2003-03_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.29:

WA#RAB4021, WA#RAB4030, WA#RAB4031, WA#RAB4058, WA#RAB4059, WA#RAB4060, WA#RAB4068, WA#RAB4091, WA#RAB4092, WA#RAB4093, WA#RAB4095, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4102, WA#RAB4103, WA#RAB4105, WA#RAB4178, WA#RAB4179, WA#RAB4190, WA#RAB4206, WA#RAB4208, WA#RAB4209, WA#RAB4210, WA#RAB4211, WA#RAB4212, WA#RAB4251, WA#RAB4254 WA#RAB4257 and WA#RAB4258.

4.2 ts_SS_2DCH_ModifyInteractBackg_64k_144kPS (WA#RAB4054)

Test step name	ts_SS_2DCH_ModifyInteractBackg_64k_144kPS
Reason for change	TTCN error, order REQ-CNF wrong.
Summary of change	Corrected order (request before that the correspondent request).
Source of change	New Change
Label	WA#RAB4054



Test Step

Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_64k_144kPS (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configurations
Objective:	to configure physical channel DPCH1and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map D TCH(subflow#1) to the DCH1 transport channel respectively. Used for Interactive or Background / unknown (UL:64 DL:144 kbps.
Defaults:	RRC_Def!
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		(ps_RAT = tdd)			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_Cel		1
5		CPHY?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf(p_CellId, tsc_DL_DPCH1)		
6		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfo(tsc_Cell Dedicated, tsc_DL_DPCH1, c_U E_Info (OMIT, OMIT), c_TrCHInfo _DL_2_8To11 (c_DCH_148_TF S_DL c_DCH_336_TFS_29_DL _20_TC,c_PowerOffsetInfoHighe r64k), c_TrLogMappingDL_2_PS ,p_ActTime)		3 WA#RAB4054
7		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedic ated, tsc_DL_DPCH1)		

4.3 ts_SS_2DCH_ModifyInteractBackg_64k_144kPS (WA#RAB4055)

Test step name	ts_SS_2DCH_ModifyInteractBackg_64k_144kPS
Reason for change	TTCN error: wrong channel id used.
Summary of change	used tsc_DL_DPCH1 instead of tsc_UL_DPCH1.
Source of change	New Change
Label	WA#RAB4055

Test Step

Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_64k_144kPS (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configurations
Objective:	to configure physical channel DPCH1and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map D TCH(subflow#1) to the DCH1 transport channel respectively. Used for Interactive or Background / unknown (UL:64 DL:144 kbps.
Defaults:	RRC_Def!
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		(ps_RAT = tdd)			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_Cel		1

8			CPHY!CPHY_RL_Modify_REQ	ca_UL_DPCH_ModifyInfo (p_CellId, tsc_UL_DPCH1, p_UL_DPCH_Info, p_ActTime)		1. WA#RAB4055
9			CPHY!?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellId, tsc_UL_DPCH1)		
10			CPHY!CPHY_TrCH_Config_REQ	ca_2_DCH_0_To9_UL_Info (p_CellId , tsc_UL_DPCH1, c_TrChConfigTypeDCH_NoSHO, c_DCH_148_TFS_UL, c_DCH_338_TFS_24_UL_20_TC,p_ActTime)		2.
11			CPHY!?CPHY_TrCH_Config_CNF	ca_TrChCfgCnf(p_CellId, tsc_UL_DPCH1)		
12			CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfo (tsc_CellDedicated, tsc_UL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrCHInfo_UL_2_0To9 (c_DCH_148_TFS_UL, c_DCH_338_TFS_24_UL_20_TC), c_TrLogMappingUL_2_PS,p_ActTime)		3.
13			CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated, tsc_UL_DPCH1)		WA#RAB4055
14		[ps_RAT = tdd]				
15		[TRUE]				
Detailed Comment: 1. configure DPCH1for transporting Interactive or Background/ unknown r UL:64 DL:144kbpsPS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH						

4.4 c_TrLogMappingDL_2_PS (WA#RAB4040)

Test step name	ts_SendRB_SetUpDCH_64k_128kPS
Reason for change	Order for RBs in constraint leads to Radio Bearer Set Up procedure failure. The order is related with the defined TFCS. RB20 must be first.
Summary of change	Changed order: RB20 first.
Source of change	New Change
Label	WA#RAB4040

ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingDL_2_PS
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4040

Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 dlconnectedTrCHList {
  {
   trchid tsc_DL_DCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType dch,
      logicalChannelIdentity tsc_DL_DTCH1,
      logicalChannelType dTCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 8
     },
     rB_Identity tsc_RB20
    }
   }
  },
  {
   trchid tsc_DL_DCH5,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType dch,
      logicalChannelIdentity tsc_DL_DCCH1,
      logicalChannelType dCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
```

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

4.5 c_TFCS_Cmpl0_To9_Rx (WA#RAB4104)

Test step name	c_TFCS_Cmpl0_To9_Rx
Reason for change	Wrong CTFC (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4104

ASN.1 Type Constraint Declaration	
Constraint Name:	r_TFCS_Cmpltl_To9_Rx
Group:	
Type Name:	TFCS
Derivation Path:	
Encoding Variation:	
Comments:	TFCS information without power offset information - for receiver WI#RAB4104

Constraint Value

```
normalTFCI_Signalling: complete: {
 ctfcSize ctfc4Bit:{
  {
   ctfc4 0,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 1,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 2,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 3,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 4,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 5,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 6,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 7,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 8,
   powerOffsetInformation OMIT
  },
  {
   ctfc4 9,
   powerOffsetInformation OMIT
  }
 }
}
```

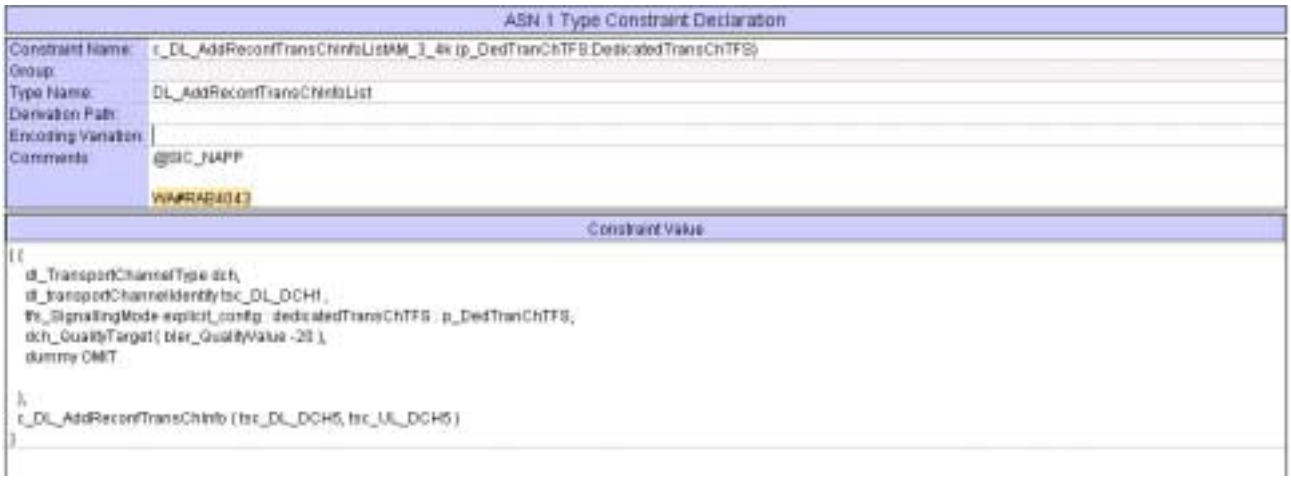
Detailed Comment:

4.6 c_DL_AddReconfTransChInfoListAM_3_4k (WA#RAB4043)

Test step name	c_DL_AddReconfTransChInfoListAM_3_4k
Reason for change	Wrong parameter used when setting up RAB20: according to the default configuration for the " Added or Reconfigured DL TrCH information" IE is " Same as UL " for tsc_DL_DCH5.

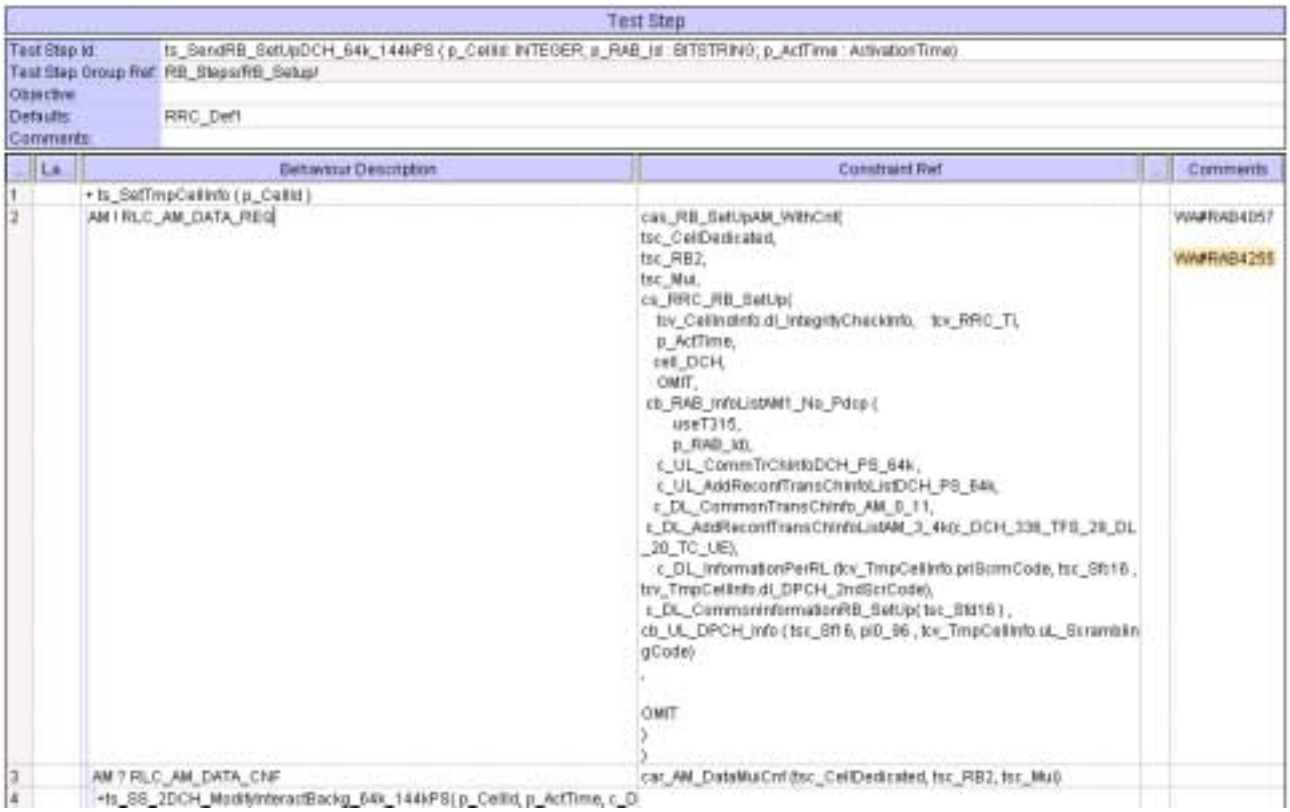
Summary of change	used c_DL_AddReconfTransChInfo (tsc_DL_DCH5, tsc_UL_DCH5) intead of {
	dl_TransportChannelType dch,
	dl_transportChannelIdentity tsc_DL_DCH5,
	tfs_SignallingMode explicit_config : dedicatedTransChTFS : c_DCH_148_TFS_UE_DL,
	dch_QualityTarget { bler_QualityValue -20 },
	dummy OMIT
	}

Source of change	New Change
Label	WA#RAB4043



4.7 ts_SendRB_SetUpDCH_64k_144kPS (WA#RAB4255)

Test step name	ts_SendRB_SetUpDCH_64k_144kPS
Reason for change	Wrong value for "re-EstablishmentTimer" according to the default values (TS 34.108). Should be used T315 (PS), not T314.
Summary of change	Used "useT315" instead of "c_ReEstTimerT314"
Source of change	New Change
Label	WA#RAB4255



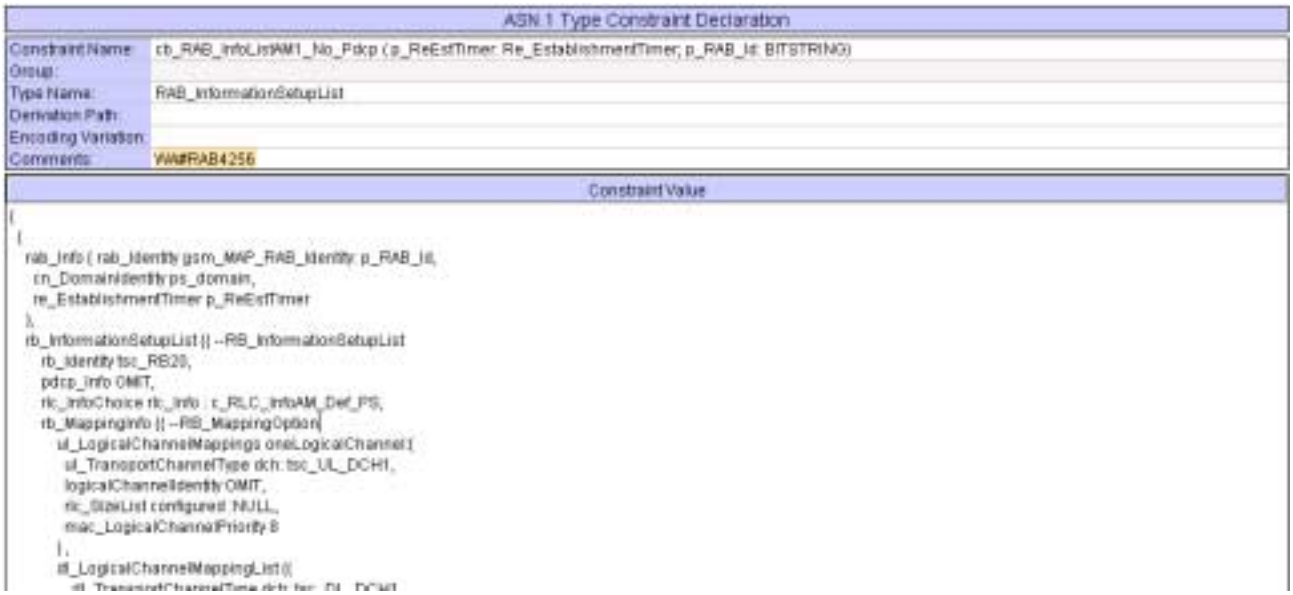
Test Step

Test Step Id:	ts_SendRB_SetUpDCH_64k_144kPS (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime : ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def1
Comments:	

	La	Behaviour Description	Constraint Ref		Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mu, cs_RRC_RB_SetUp(tcv_CellInfo.dl_IntegrityCheckInfo, tcv_RRC_T\ p_ActTime, cell_DCH, OMIT, cb_RAB_InfoListAM1_No_Pdcp (useT315, p_RAB_Id, c_UL_CommTrChInfoDCH_PS_64k, c_UL_AddReconfTransChInfoListDCH_PS_64k, c_DL_CommonTransChInfo_AM_0_11, c_DL_AddReconfTransChInfoListAM_3_4k(c_DCH_336_TFS_28_DL_20_TC_UE)\ c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_Sf16 , tcv_TmpCellInfo.dl_DPCH_2ndScrCode)\ c_DL_CommonInformationRB_SetUp(tsc_Sf16) , cb_UL_DPCH_Info (tsc_Sf16, pl0_96 , tcv_TmpCellInfo.ul_ScramblingCode) , OMIT))		WA#RAB4057 WA#RAB4255
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuCnf (tsc_CellDedicated, tsc_RB2, tsc_Mu)		
4		+ts_SS_2DCH_ModifyInteractBackg_64k_144kPS (p_CellId, p_ActTime, c_D			

4.8 cb_RAB_InfoListAM1_No_Pdcp (WA#RAB4256)

Test step name	cb_RAB_InfoListAM1_No_Pdcp
Reason for change	Wrong value for “max-RST” and “timerPoll” according to the default values (TS 34.108). Should be used for max-RST rst4 (instead of e rst1) and for timerPoll tp200 (instead of tp400).
Summary of change	Used new constraint “c_RLC_InfoAM_Def_PS” containing the correct default values (WA#RAB4253) instead of “c_RLC_InfoAM_Def”
Source of change	New Change
Label	WA#RAB4256



ASN.1 Type Constraint Declaration

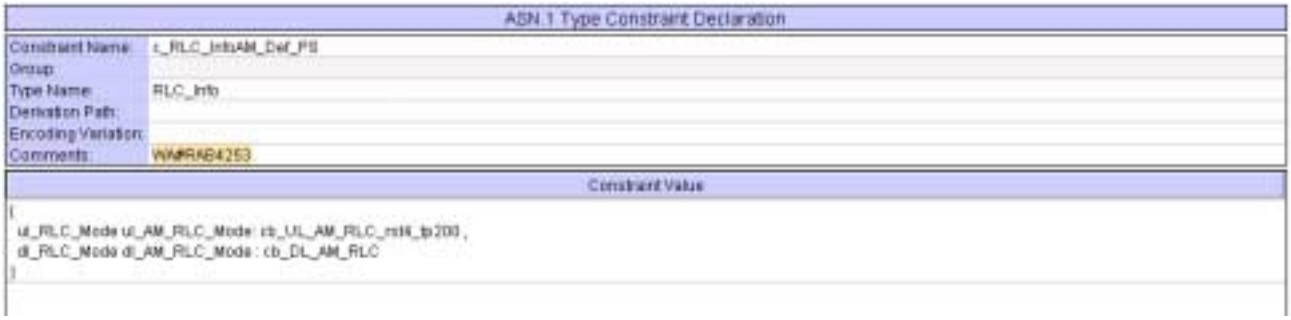
Constraint Name:	cb_RAB_InfoListAM1_No_Pdcp (p_ReEstTimer: Re_EstablishmentTimer; p_RAB_Id: BITSTRING)
Group:	
Type Name:	RAB_InformationSetupList
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4256

Constraint Value

```
{
 {
  rab_Info { rab_Identity gsm_MAP_RAB_Identity p_RAB_Id,
    cn_DomainIdentity ps_domain,
    re_EstablishmentTimer p_ReEstTimer
  },
  rb_InformationSetupList {} --RB_InformationSetupList
    rb_Identity tsc_RB20,
    pdcp_Info OMIT,
    rlc_InfoChoice rlc_Info : c_RLC_InfoAM_Def_PS,
    rb_MappingInfo {} --RB_MappingOption
      ul_LogicalChannelMappings oneLogicalChannel:
        ul_TransportChannelType dch: tsc_UL_DCH1,
        logicalChannelIdentity OMIT,
        rlc_SizeList configured: NULL,
        mac_LogicalChannelPriority 8
      },
      dl_LogicalChannelMappingList {{
```

4.9 c_RLC_InfoAM_Def_PS (WA#RAB4253)

Test step name	c_RLC_InfoAM_Def_PS
Reason for change	In order to implementate a WA#RAB4254 a new constraint is needed.
Summary of change	Created a new constraint “c_RLC_InfoAM_Def_PS” (based in “c_RLC_InfoAM_Def”) containing the correct default values for “max-RST” and “timerPoll”. This constraint introduces another new constraint with the commented values for AM mode: “cb_UL_AM_RLC_rst4_tp200” (see WA#RAB4252).
Source of change	New Change
Label	WA#RAB4253



ASN.1 Type Constraint Declaration

Constraint Name:	c_RLC_InfoAM_Def_PS
Group:	
Type Name:	RLC_Info
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4253

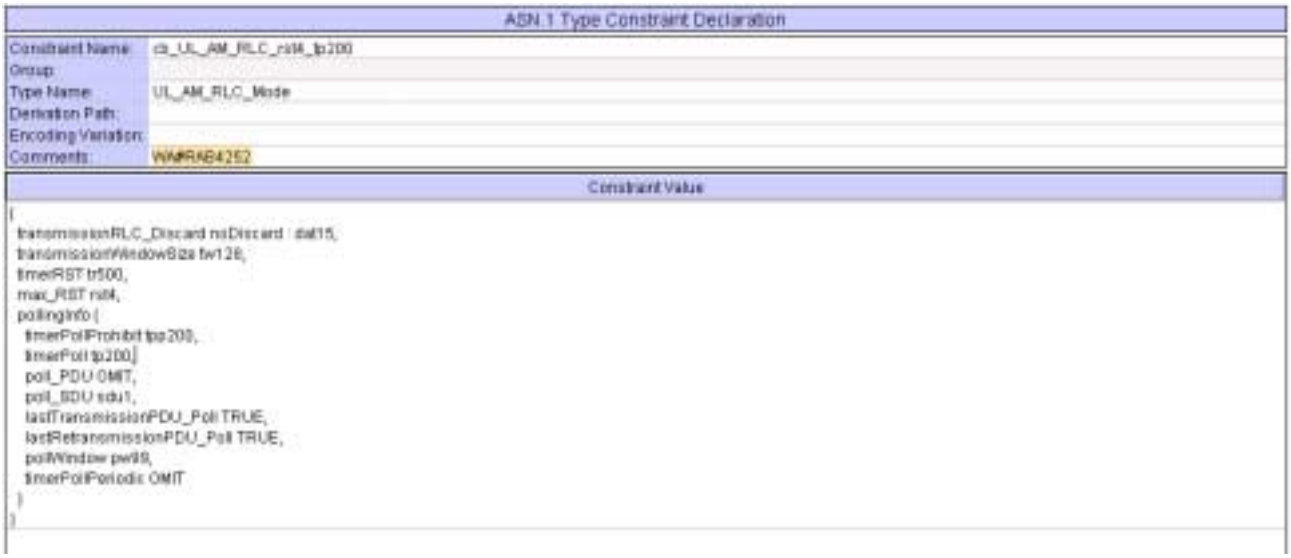
Constraint Value

```
{
 ul_RLC_Mode ul_AM_RLC_Mode: cb_UL_AM_RLC_rst4_tp200 ,
 dl_RLC_Mode dl_AM_RLC_Mode : cb_DL_AM_RLC
}
```

4.10 cb_UL_AM_RLC_rst4_tp200 (WA#RAB4252)

Test step name	cb_UL_AM_RLC_rst4_tp200

Reason for change	In order to implementate a WA#RAB4253 a new constraint is needed.
Summary of change	Created a new constraint “cb_UL_AM_RLC_rst4_tp200” (based in “cb_UL_AM_RLC_rst4_tp200”) containing the correct default values for “max-RST” and “timerPoll” for this configuration.
Source of change	New Change
Label	WA#RAB4252



ASN.1 Type Constraint Declaration

Constraint Name:	cb_UL_AM_RLC_rst4_tp200
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4252

Constraint Value

```
{
 transmissionRLC_Discard noDiscard : dat15,
 transmissionWindowSize fw128,
 timerRST tr500,
 max_RST rst4,
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll tp200,
  poll_PDU OMIT,
  poll_SDU sdu1,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

4.11 ts_RB_SubTest_RB20_AM (WA#RAB4214)

Test step name	ts_RB_SubTest_RB20_AM
Reason for change	All bit strings need to be initialised every time they are used. As this test step is used more than one time in one single execution (if both pc_Interactive and pc_Background are enable), variables tcv_RB_testdata2 and tcv_RB_testdata3 need to initialised in this test step.
Summary of change	Added in the initialiation list in line 1 of local test step It_Receive, the variables tcv_RB_testdata2 :="B, tcv_RB_testdata3 :="B
Source of change	New Change
Label	WA#RAB4214

Test Step					
Test Step Id:	ts_RB_SubTest_RB20_AM (p_Data : BITSTRING; p_TFC_UL,p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1LB_Setup; p_ULSDULength, p_DLSDULength : INTEGER)				
Test Step Group Ref:	RB_Steps/RB_Subtests/				
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB20 an RLC SDU. UE shall send back the same RLC SDU. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM!RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated,		Step 11
10		+ ts_TC_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
lt_Receive					
11		(tcv_Len:=0, tcv_testdata2_len :=8, tcv_RB_testdata1 := tcv_RB_Data1, tcv_RB_testdata2 :='8', tcv_RB_testdata3 :='8')			YAMRAB4214
12		(tcv_Len := (p_ULSDULength - p_DLSDULength))			
13		[tcv_Len >0]			
14		REPEAT lt_Add UNTIL [tcv_Len<=p_DLSDULength]			

5 Branches executed in test case 14.2.29

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

6 Execution Log Files

6.1 Nokia 3G UE 7600

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

- **Execution log files 14_2_29_PS-Nokia-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_29-pics-pixit-Nokia.html**
  Text file containing all PICS/PIXIT parameters used for testing.

6.2 Ericsson 3G UE U100

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

- **Execution log files 14_2_29_PS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file.

- **PICS/PIXIT file 14_2_29-pics-pixit-Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040036**

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