

**Source:** NAKAGOMI, Hisashi (TSG T1 vice chairman)  
**Title:** Revision of T1 work items  
**Agenda item:** 5.1.5  
**Document for:** Approval

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This document contains a revision of the T1 work items based on the discussion result of T1-03740.

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## **Change History**

### Version 0 to 1

1. Update Work Plan IDs to match the released work plan, release 19<sup>th</sup> December, 2000
2. Remove work task 4, Testing Node B synchronisation for TDD
3. Change references from T1-000279 to T1-06
4. WT\_T1-06\_14 Testing RF Radio Transmission and Reception, prepared for approval
5. The suffix 'SIG or RF' was added to each WI title to make it easier for each SWG to identify WIs belonging to them
6. The suffix 'Rel 5' has been added to WI titles that are now part of Release 5
7. Add WIs for optimisation of test times for RF conformance testing
8. Add WI for additional R99 test cases
9. Remove WI for Smart Antennas, removed from RAN
10. Introduce blue colour code for WI ready for approval
11. Add two new work items for maintenance of R99 and creation of TDD ATS
12. Change the naming convention to T1-06\_<number> prefixed with 'BB or WT' for building block or work task.
13. Added a 'work starts' item to each affected document section

### Version 1 to 2

1. Change work item T1\_06 to be a release 5 work item
2. Add names of supporting companies (T1\_WI\_Index\_r4.xls)
3. Add T1\_34 Radio Bearer Support Enhancements – Robust Header Compression as it falls into release 4.

### Version 2 to 3

1. Remove BB related to 'Evolutions of the transport in the UTRAN'. Since no testing identified. WT moved to BB 'RAN improvements' and slightly modified.
2. Correction of Release number in the 'Justification' section of some WI
3. Deletion of 'Node B synchronisation for TDD' as related WI in BB\_T1-06\_3
4. Addition of T1\_34 'Radio Bearer Support Enhancements – Robust Header Compression' as subordinate WT in BB\_T1-06\_16
5. Deletion of BB and WT related to 'Bearer modification without pre-notification' due to deletion at TSG #11

### Version 3 to 4

1. Modify T1-06\_10 to include 1900MHz and propose the creation of two new documents that are 'release independent'
2. Combine T1-06\_12 with T1-06\_14, Testing Physical Layer is merged with Testing RF Radio Transmission and Reception
3. Combine T1-06\_15 with T1-06\_13, Testing UE radio access capability is merged with Testing Layer 2 and layer 3 protocol aspects
4. Rename T1-06\_33 to 'Completion' of the release 99 TTCN TCs for TDD. This was to avoid the confusion that the supporters of this work item were prepared to develop voluntary TTCN test cases for TDD
5. Update forecast dates for optimisation of test times

#### Version 4 to 5

1. Modify T1-06\_10 to reflect decision in TSG T#11 to keep release independent items in the current working documents and use an applicability table, or equivalent
2. Revise the target completion dates for the first approved document release at TSG T in WIs put forward for approval at TSG T#12
3. Clarify the purpose of T1-06\_29 and T1-06\_33 so that '29' covers the completion of release 99 FDD signalling test cases (prose and TTCN) and the '33' covers the conversion and completion of release 99 TDD signalling test cases (prose and TTCN)
4. Add Ericsson and Samsung to the supporting companies for T1-06\_10 and add /1900 to the WI title

#### Version 5 to 6

1. Work item T1-06\_18, removed since there no longer seems to be a feature here to be tested.
2. Split WI T1-06\_10 in to two separate WIs to cover UMTS1800 and UMTS1900 separately, see TP-010154
3. Change colour of approved work item titles, see TP-010154
4. Change title of WI\_13 for clarity.

#### Version 6 to 7

1. Add references to release independence in WIs 10, 27, 28, 35
2. Change expected completion dates of test time optimisation to align with the expected completion/closing of TS34.121. (WI 27, 28)
3. Addition of draft WIDs for Conformance Testing of MExE Environment (WI\_51) and Signalling testing for W/B AMR codec functions (WI\_52)

#### Version 7 to 8

1. Set WI\_51, Conformance Testing of the MExE environment , to 'ready for TSG T' approval.
2. Add Peter George and Peter Neuman as joint rapporteurs of WI\_51
3. Update forecasted dates in line with current expectations from SWG chairmen and changes to WI\_13 and WI\_29 agreed at TSG T1#14

#### Version 8 to 9

1. Add work item T1-06\_39 Testing of Extended RoHC

#### Version 9 to 10

1. Add work item T1-06\_40, Testing of support for IMS, Rel-5
2. Correct completion forecast dates for T1-06\_27, T1-06\_28 to March 03
3. Change forecast dates for WI T1-06\_33 to July 03
4. Mark work item T1\_39, as approved (highlighted green)

#### Version 10 to 11

1. Mark work item T1\_40 as approved (highlighted green)
2. Add place holder for T1\_41, Additional test specifications required for Rel 5, Radio Interface Improvements feature

#### Version 11 to 12 (T1/RF #28)

1. Create work item 42 to cover general change requests to TS34.121 for changes corresponding to release 4.
2. Prepare work item 41 to cover general change requests to TS34.121 for changes corresponding to release 5

3. Increase the forecasted completion dates for WIs 27 and 28 to September, 2003. This is due to further investigation into new proposals.
4. Remove references to Mr Yonekura, Fujitsu, as rapporteurs from any active work items. He is replaced by Mr Yokoyama, Agilent.

#### Version 12 to 13

1. Change any references to Sony in the supporting companies to Sony-Ericsson
2. Change references to Denso in WIs 29 and 32 to Rohde & Schwarz
3. Change the name Hutchison to Three in supporting companies
4. For WI 33 increase the time for completion of prose by 1 year
5. For WI 34 increase the prose completion date to Sept 2003 and add Cetecom as a supporting company
6. In the WI 40, increase completion dates for 34.123 by 6 months
7. Remove Cetecom from the supporting companies in WI 51
8. Add Nokia as a supporting company for WI 36 for HSDPA, rel 5

#### Version 13 to 14

1. Add WID WT-53, Testing of DS-CDMA 800M, Rel independent.
2. Add the comment to WI 07
3. Add place holder for T1-06\_36 Conformance Testing of HSDPA as Rel5
4. Add NTT DoCoMo to the supporting companies for T1-06\_36 Conformance Testing of HSDPA
5. Change colour of approved work item titles, see TP-030052

#### Version 14 to 15

1. Change colour of approved work item titles, see TP-030106
2. Change editorial errors
3. Erased WT\_T1-06\_-6 "Testing Hybrid ARQ II/III (Rel 5)"
4. Closed WT\_T1-06\_10 "Testing UMTS 1800 (SIG/RF) Rel. Ind."
5. Change the target date of WT\_T1-06\_13
6. Add Datang to the supporting companies for T1-06\_13
7. Closed WT\_T1-06\_14 "Testing RF Radio Transmission and Reception (RF)"
8. Closed WT\_T1-06\_25 "Testing Emergency call enhancements for CS based calls (SIG)"
9. Remove Sharp from the supporting companies in WT\_T1-06\_29 "Extensions to R99 Test cases (FDD/SIG)"
10. Remove Sharp from the supporting companies in WT\_T1-06\_34 " Testing RAB support enhancements-Robust Header Compression (SIG/Rel 4)"
11. Closed WT\_T1-06\_35 "Testing UMTS 1900 (SIG/RF) Rel. Ind."
12. Add detail information of WT T1-06\_36 "Conformance Testing of HSDPA"
13. Erased WT\_T1-06\_8 "Testing Terminal Power saving features (SIG/Rel5)" and WT\_T1-06\_9 "Testing DSCH power control improvement in soft handover (SIG/RF)"

#### [Version 15 to 16](#)

- [1. Change colour of approved work item titles, see TP-030196](#)
- [2. Change editorial errors](#)

3. Add WID WT-54, Conformance Testing of A-GPS Minimum Performance, Rel 6.
4. Add ERICSSON to the supporting companies for T1-06\_5
5. Change the completion date of T1-06\_27 and 28 to T#24 June 2004
6. Change the completion date of T1-06\_29 to T#24 June 2004 (TS34.123a,b) and T#25 Sep 2004 (TS34.123c)
7. Add ANRITSU to the supporting companies for T1-06\_32
8. Change the completion date of T1-06\_34 and 39 to T#24 June 2004 (TS34.123a,b) and T#25 Sep 2004 (TS34.123c)
9. Erase IRISA and add Nortel Networks to the supporting companies for T1-06\_34 and 39
10. Change the completion date of T1-06\_40 to TBD

**Work Item Description**

**BB\_T1-06\_1. Conformance Test Aspects - Evolutions of the transport in the UTRAN**

Withdrawn - no subordinated WT due to transference of 'Radio Access Bearer support enhancement' to the feature 'RAN improvements'

**Work Item Description**

**WT\_T1-06\_2. Testing radio access bearer support enhancements (SIG/Rel 5)**

Withdrawn - The related RAN WT was wrongly included under the feature 'RAB support enhancements'. It belongs to the feature 'RAN improvements'. This WT is now moved to T1-06\_19.

## Work Item Description

### **BB\_T1-06\_3. Conformance Test Aspects - improvements in Radio Interface**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	BB	Conformance Test Aspects - improvements in Radio Interface
2210	T1-06_5	S_WT	Testing improvement of inter-frequency and inter-system measurement
2211	T1-06_6	S_WT	Testing Hybrid ARQ II/III
2212	T1-06_7	S_WT	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicated type
2213	T1-06_8	S_WT	Testing Terminal Power saving features
2214	T1-06_9	S_WT	Testing DSCH power control improvement in soft handover
2215	T1-06_10	S_WT	Testing UMTS 1800/1900
1470	RAN_Wis_16	R_WI	Improvement of inter-frequency and inter-system measurement
1217	RAN_Wis_7	R_WI	Hybrid ARQ II/III
1218	RAN_Wis_17	R_WI	Improved usage of downlink resource in FDD for CCTrCHs of dedicated type
1507	RAN_Wis_11	R_WI	Terminal Power saving features
1994	RAN_Wis_37	R_WI	DSCH power control improvement in soft handover
1996	RAN_Wis_39	R_WI	UMTS 1800

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 4 and 5 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

#### **4. Objective**

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.



All of the work of TSG T1 takes place in its subordinate Work Tasks.

**5. Service Aspects**

None

**6. MMI-Aspects**

None

**7. Charging Aspects**

None

**8. Security Aspects**

None

**9. Impacts**

<b>Affects:</b>	<b>USIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>Yes</b>		X			
<b>No</b>	X		X	X	
<b>Don't know</b>					X

**10.Expected Output and Time scale (to be updated at each plenary)**

<b>New specifications</b>						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
<b>Affected existing specifications</b>						
Spec No.	CR	Subject		Approved at plenary#	Comments	

**11.Work item raporteurs**

TSG T1 Chairman

**12 Work item leadership**

TSG T1

### 13 Supporting Companies

TSG T1

### 14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

Work Item Description

**WT\_T1-06\_4...Node B sync. Withdrawn due to withdrawal of  
RAN WI**

## Work Item Description

### **WT\_T1-06\_5. Testing improvement of inter-frequency and inter-system measurement (Rel 5)**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	P_BB	Conformance Test Aspects - improvements in Radio Interface
2210	T1-06_5	S_WT	Testing improvement of inter-frequency and inter-system measurement
1470	RAN_Wis_16	R_WI	Improvement of inter-frequency and inter-system measurement

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 5 and therefore the test specifications must be updated to reflect these changes.

Changes are being proposed to the way in which compressed mode works to allow more efficient inter-frequency and inter system measurements.

#### **4. Objective**

To change or enhance the existing test specifications to take account of the improvements in compressed mode operation and to confirm that correct inter frequency/system measurements are being performed.

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

#### **8. Security Aspects**

None

## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
TS34.121		Terminal Conformance Specification; Radio transmission and reception (FDD)		Work starts: TSG T1 #?		Test specification to confirm correct inter frequency or inter system measurement reports
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		Work starts: TSG T1 #?		Test specification to confirm correct signalling and timing for new compressed mode
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		Work starts: TSG T1 #?		Develop TTCN test cases to support conformance test spec

## 11.Work item raporteurs

T.B.A

## 12 Work item leadership

TSG T1 ~~SWGs/RF and/SIG~~

## 13 Supporting Companies

Motorola, [ERICSSON](#)

## 14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

**Work Item Description**

**WT\_T1-06\_6. Testing Hybrid ARQ II/III (Rel 5)**

Erased from Core specification (T1 #20)

**Work Item Description**

**WT\_T1-06\_7. Testing Improved usage of DL resource in FDD  
for CCTrCHs of dedicated type (Rel 5) Withdrawn due to  
withdrawal of RAN WI**

Erased from Core specification

**Work Item Description**

**WT\_T1-06\_8. Testing Terminal Power saving features  
(SIG/Rel5)**

No test cases are required by core specification (T1 #21)

**Work Item Description**

**WT\_T1-06\_9. Testing DSCH power control improvement in  
soft handover (SIG/RF)**

No test cases are required by core specification (T1 #21)



**Work Item Description**

**WT\_T1-06\_10. Testing UMTS 1800 (SIG/RF) Rel. Ind. –  
CLOSED**

Closed (TSG T1 #20)

## Work Item Description

### **BB\_T1-06\_11. Conformance Test Aspects - Low Chip Rate TDD**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
1222	RAN_Wis_1	P_F	Low Chip Rate TDD option
2103	T1-06_11	BB	Conformance Test Aspects - Low Chip Rate TDD
			Testing Physical Layer Combined with T1-06_14
2217	T1-06_13	S_WT	Testing Layer 2 and layer 3 protocol aspects
2218	T1-06_14	S_WT	Testing RF Radio Transmission and Reception
			Testing UE radio access capability, combined with T1-06_13
1223	RAN_Wis_26	R_WI	Physical Layer
1224	RAN_Wis_27	R_WI	Layer 2 and layer 3 protocol aspects
1225	RAN_Wis_28	R_WI	RF Radio Transmission and Reception
1227	RAN_Wis_30	R_WI	UE radio access capability

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

#### **4. Objective**

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

## 8. Security Aspects

None

## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

## 11. Work item rapporteurs

TSG T1 Chairman

## 12 Work item leadership

TSG T1

## 13 Supporting Companies

TSG T1

## 14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks



**Work Item Description**

**WT\_T1-06\_12. Testing Physical Layer (RF)**

**Now combined with T1-06\_14, Testing RF Radio Transmission and Reception**

## Work Item Description

### **WT\_T1-06\_13. LCR TDD, Testing Layer 2 and layer 3 protocol aspects (SIG)**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
1222	RAN_Wis_1	P_F	Low Chip Rate TDD option
2103	T1-06_11	P_BB	Conformance Test Aspects - Low Chip Rate TDD
2217	T1-06_13	WT	Testing Layer 2 and layer 3 protocol aspects
1227	RAN_Wis_30	R_WI	UE radio access capability
1224	RAN_Wis_27	R_WI	Layer 2 and layer 3 protocol aspects

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

#### **4. Objective**

The objective is to prepare a conformance test specification for the signalling layers L2 and L3. Low chip rate TDD shares many similarities with full rate TDD but inevitably there will be differences.

The RAN work tasks for low rate TDD include:-

- UE procedures in idle mode
- Interlayer procedures in connected mode
- Control plane protocol aspects
- User plane protocol aspects
- mobility aspects

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

## 8. Security Aspects

None

## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		TSG T #23, Mar 04	Test specification to confirm correct signalling and operation of UEs operating low chip rate TDD mode	
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		TSG T #26, Dec 04	Develop TTCN test cases to support conformance test spec	

## 11. Work item rapporteurs

Mr Dan FOX, Anritsu Ltd, UK

## 12 Work item leadership

TSG T1

## 13 Supporting Companies

Anritsu, Siemens, Ericsson, NTTDoCoMo, Motorola, Rohde & Schwarz, Datang

## 14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

**Work Item Description**

**WT\_T1-06\_14. Testing RF Radio Transmission and Reception (RF) –CLOSED**

Closed (TSG T1 #20)

**Work Item Description**

**WT\_T1-06\_15. Testing UE radio access capability (SIG)**

Now combined with T1-06\_13, Testing Layer 2 and layer 3 protocol aspects



## Work Item Description

### **BB\_T1-06\_16. Conformance Test Aspects - RAN Improvements**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
9	RAN_Wis_	P_F	RAN improvements
2102	T1-06_16	BB	Conformance Testing Aspects - RAN improvements
2221	T1-06_19	S_WT	Testing Node B synchronisation for TDD (Master)
2222	T1-06_20	S_WT	Testing Radio access bearer support enhancement - except Robust Header Compression
2461	T1-06_34	S_WT	Testing Radio access bearer support enhancement - Robust Header Compression
655	RAN_Wis_8	R_WI	Node B synchronisation for TDD (Master)
1472	RAN_Wis_15	R_WI	Radio access bearer support enhancement

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 4 and 5 and therefore the test specifications must be updated to reflect these changes.

#### **4. Objective**

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

#### **8. Security Aspects**

None

**9. Impacts**

<b>Affects:</b>	<b>USIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>Yes</b>		X			
<b>No</b>	X		X	X	
<b>Don't know</b>					X

**10.Expected Output and Time scale (to be updated at each plenary)**

<b>New specifications</b>						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
<b>Affected existing specifications</b>						
Spec No.	CR	Subject		Approved at plenary#	Comments	

**11.Work item raporteurs**

TSG T1 Chairman

**12 Work item leadership**

TSG T1

**13 Supporting Companies**

TSG T1

**14 Classification of the WI (if known)**

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

**Work Item Description**

**WT\_T1-06\_17. Testing Smart antenna (Withdrawn from RAN WIs)**

**Work Item Description**

**WT\_T1-06\_18. Testing Node B synchronisation for TDD (SIG/RF)**

1. Withdrawn since there does not seem to be any new features here that specifically require testing

## Work Item Description

### **WT\_T1-06\_19. Testing Radio access bearer support enhancements - except Robust Header Compression (SIG/Rel5)**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
9	RAN_Wis_20	P_F	RAN improvements
2102	T1-06_1	P_BB	Conformance Test Aspects - RAN improvements
624	RAN_Wis 15	R_WI	Radio access bearer support enhancement - except Robust Header Compression
2208	T1-06_2	WT	Testing radio access bearer support enhancements- except Robust Header Compression

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 5 and therefore the test specifications must be updated to reflect these changes.

#### **4. Objective**

This work item should provide the conformance test capability to verify that the radio access bearer support enhancements on the Uu interface are correctly implemented within the UE. These enhancements include the following RAN core specification changes:-

- Radio Access Bearer multiplexing in PDCP
- Support of unequal error protection over Uu
- Channel type switching for logical channels
  - Today it is only possible to switch all logical channels of one UE, not individual. For DSCH it would be much better to be able to switch single logical channels
- IP header removal as developed within GERAN

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

## 8. Security Aspects

None

## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		TSG T #14 Work starts: TSG T1 #?	Changes to include; RAB multiplexing in PDCP, Header compression for VoIP, Normally referenced from an IETF RFC?, unequal error protection over Uu, switching for single logical channels, IP header removal	
TS34123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		TSG T #15 Work starts: TSG T1 #?	Preparation and modification of TTCN test cases to accommodate changes in test specification	

## 11. Work item rapporteurs

Dan Fox, Chairman of TSG T1/SIG

## 12 Work item leadership

TSG T1 SWG/SIG

## 13 Supporting Companies

Ericsson, Sharp, Motorola

## 14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

**Work Item Description**

**BB\_T1-06\_20. Conformance Test Aspects - Bearer modification without pre-notification**

Withdrawn - The feature 'Bearer Modificatin without pre-notification' was deleted at TSG #11

**Work Item Description**

**WT\_T1-06\_21. Testing Support for Bearer Modification without pre-notification (SIG)**

Withdrawn - The feature 'Bearer Modificatin without pre-notification' was deleted at TSG #11

**Work Item Description**

**WT\_T1-06\_22. Testing Stage 2 signalling (SIG/Rel 5)**

Withdrawn - The feature 'Bearer Modificatin without pre-notification' was deleted at TSG #11

## Work Item Description

### **BB\_T1-06\_23. Conformance Test Aspects - Emergency call enhancements**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
1652		P_F	Emergency call enhancements
2224	T1-06_23	BB	Conformance Test Aspects - Emergency call enhancements
1646	NP-000380	R_WI	Stage 3 for emergency calls and packet emergency calls in general
1654	NP-000379	R_WI	Emergency call enhancements for CS based calls
2225	T1-06_24	S_WT	Testing Stage 3 for emergency calls and packet emergency calls in general
2226	T1-06_25	S_WT	Testing Emergency call enhancements for CS based calls

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 4 and 5 and therefore the test specifications must be updated to reflect these changes.

#### **4. Objective**

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

#### **8. Security Aspects**

None

**9. Impacts**

<b>Affects:</b>	<b>USIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>Yes</b>		X			
<b>No</b>	X		X	X	
<b>Don't know</b>					X

**10.Expected Output and Time scale (to be updated at each plenary)**

<b>New specifications</b>						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
<b>Affected existing specifications</b>						
Spec No.	CR	Subject		Approved at plenary#	Comments	

**11.Work item raporteurs**

TSG T1 Chairman

**12 Work item leadership**

TSG T1

**13 Supporting Companies**

TSG T1

**14 Classification of the WI (if known)**

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks



## Work Item Description

### **WT\_T1-06\_24. Testing Stage 3 for emergency calls and packet emergency calls in general (SIG – Rel 5)**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
1652		P_F	Emergency call enhancements
2224	T1-06_23	P_BB	Conformance Test Aspects - Emergency call enhancements
1646	NP-000380	R_WI	Stage 3 for emergency calls and packet emergency calls in general
2225	T1-06_24	S_WT	Testing Stage 3 for emergency calls and packet emergency calls in general

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 4 and 5 and therefore the test specifications must be updated to reflect these changes.

#### **4. Objective**

For release 5 it will be possible to place 'emergency calls' in the packet domain. This requires changes to the UE core specifications.

This work task is to update the conformance test specifications to accommodate emergency call procedure in the packet switched domain.

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

#### **8. Security Aspects**

None

## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		Work starts: TSG T1 #?	Modify the protocol test specification to reflect the changes to the UE core specification for Stage 3 emergency calls in the PS domain	
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec	

## 11. Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

## 12 Work item leadership

TSG T1 SWG /SIG

## 13 Supporting Companies

(at least 4 companies)

## 14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

**WT\_T1-06\_25. Testing Emergency call enhancements for CS  
based calls (SIG) –CLOSED**

Closed (TSG T1 #20)

## Work Item Description

### **BB\_T1-06\_26. Miscellaneous UE Conformance Testing Activities**

#### 1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

#### 2. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
1862	T1-06_27	S_WT	Optimisation of Test Time, RF Aspects (FDD)
1863	T1-06_28	S_WT	Optimisation of Test Time, RF Aspects (TDD)
1907	T1-06_29	S_WT	Extensions to R99 Test cases
1908	T1-06_30	S_WT	Review all other work items for impact on new or exiting 34 series specs.
1909	T1-06_31	S_WT	Additional signalling tests to cover VHE, OSA, MExE, W/B Telephony AMR
TBD	T1-06_32	S_WT	Work to maintain the current release 99 test specification and test cases
TBD	T1-06_33	S_WT	Completion of the Release 99 TCs for TDD

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### 3. Justification

Because of the large number of changes to the core specifications for release 99, it was not possible to develop and optimise all aspects of the test specifications. This building block includes a number of work items to improve these release 99 test specifications.

This work in turn will be carried forward to improve release 4 and 5 test specifications.

#### 4. Objective

This work item is a building block used to collect together the conformance testing aspects which are not directly related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

#### 5. Service Aspects

None

#### 6. MMI-Aspects

None

#### 7. Charging Aspects

None

**8. Security Aspects**

None

**9. Impacts**

<b>Affects:</b>	<b>USIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>Yes</b>		X			
<b>No</b>	X		X	X	
<b>Don't know</b>					X

**10.Expected Output and Time scale (to be updated at each plenary)**

<b>New specifications</b>						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
<b>Affected existing specifications</b>						
Spec No.	CR	Subject		Approved at plenary#	Comments	

**11.Work item raporteurs**

TSG T1 Chairman

**12 Work item leadership**

TSG T1

**13 Supporting Companies**

TSG T1

**14 Classification of the WI (if known)**

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

## WT\_T1-06\_27. Optimisation of Test Time, RF Aspects (FDD) (RF) Rel. Ind.

### 1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

### 3. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
1862	T1-06_27	S_WT	Optimisation of Test Time, RF Aspects (FDD)

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

### 3. Justification

The current test specifications are designed to provide comprehensive testing of a UE against the core specification. At this stage (Rel 99) little consideration has been given to the practical issues of overall test time and the number of test cases required to provide an acceptable level of confidence.

### 4. Objective

The objective then is as follows:-

1. To investigate the typical test time of each test case
2. To investigate where test functionality overlaps from one test case to another
3. To recommend a minimum combination of test cases and test parameters that are consistent with proving conformance of the UE to the core specifications and to a high level of confidence
4. This should then be consistent with the optimum test time

### 5. Service Aspects

None

### 6. MMI-Aspects

None

### 7. Charging Aspects

None

### 8. Security Aspects

None

**9. Impacts**

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

**10.Expected Output and Time scale (to be updated at each plenary)**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
S34.121		Terminal Conformance Specification; Radio transmission and reception (FDD)		TSG T# <del>24, June 04</del> <sup>19, Sept-03</sup>	Recommended test suite to provide high level of confidence consistent with optimised test time	
				Work starts: TSG T1 #11		

**11.Work item raporteurs**

Mr Mitsuru Yokoyama, Agilent Technologies, Japan;

**12 Work item leadership**

TSG T1-~~SWG6~~/~~RF~~

**13 Supporting Companies**

Agilent, Rohde & Schwarz, Anritsu, Nokia, Qualcomm

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

## WT\_T1-06\_28. Optimisation of Test Time, RF Aspects (TDD) (RF) Rel. Ind.

### 1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

### 4. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
1863	T1-06_28	S_WT	Optimisation of Test Time, RF Aspects (TDD)

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

### 3. Justification

The current test specifications are designed to provide comprehensive testing of a UE against the core specification. At this stage (Rel 99) little consideration has been given to the practical issues of overall test time and the number of test cases required to provide an acceptable level of confidence.

### 4. Objective

The objective then is as follows:-

5. To investigate the typical test time of each test case
6. To investigate where test functionality overlaps from one test case to another
7. To recommend a minimum combination of test cases and test parameters that are consistent with proving conformance of the UE to the core specifications and to a high level of confidence
8. This should then be consistent with the optimum test time

### 5. Service Aspects

None

### 6. MMI-Aspects

None

### 7. Charging Aspects

None

### 8. Security Aspects

None



**9. Impacts**

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

**10.Expected Output and Time scale (to be updated at each plenary)**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
S34.122		Terminal Conformance Specification; Radio transmission and reception (TDD)		TSG T# <del>24, June 04</del> <sup>19, Sept-03</sup>	Recommended test suite to provide high level of confidence consistent with optimised test time	
				Work starts: TSG T1 #11		

**11.Work item raporteurs**

Mr Thomas Maucksch, Rohde & Schwarz, Germany;

**12 Work item leadership**

TSG T1-~~SWG6~~/RF

**13 Supporting Companies**

Agilent, Rohde & Schwarz, Anritsu and Nokia

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

## WT\_T1-06\_29. Extensions to R99 Test cases (FDD/SIG)

### 1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

### 5. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
1907	T1-06_29	S_WT	Extensions to R99 Test cases

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

### 3. Justification

For release 99 it has not been possible to provide a complete coverage of signalling test cases. For this reason TSG T1 aims to complete the remaining sections as part of its Release 4 work.

### 4. Objective

To provide additional test cases to cover the remaining areas not covered by Rel 99, for FDD. This includes both prose and TTCN via the project team

### 5. Service Aspects

None

### 6. MMI-Aspects

None

### 7. Charging Aspects

None

### 8. Security Aspects

None

### 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

**10.Expected Output and Time scale (to be updated at each plenary)**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
S34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		TSG T # <a href="#">24, June 0422</a>	Additional test cases	
S34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		TSG T # <a href="#">25, Sep 0423</a>		

**11.Work item raporteurs**

Mr Dan FOX, Anritsu Ltd, UK;

**12 Work item leadership**

TSG T1

**13 Supporting Companies**

Nokia, Siemens, Sony-Ericsson, NTT DoCoMo, Rohde & Schwarz, Motorola

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

**WT\_T1-06\_30, Review all other work items for impact on new or exiting 34 series specs.**

**WT\_T1-06\_31, Additional signalling tests to cover VHE, OSA, MExE, W/B Telephony AMR**

## WT\_T1-06\_32. Maintenance of the R99 test specification and test cases (SIG)

### 1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

### 6. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
TBD	T1-06_32	S_WT	Work to maintain the current release 99 test specification and test cases

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

### 3. Justification

It is expected that for the immediate future it will be necessary to update and maintain the release 99 test specifications, especially those relating to signalling. It is also expected that this will represent a significant amount of work for TSG T1 hence the need for a separate work item.

### 4. Objective

To update and maintain the release 99 test specifications. This is most likely to affect documents 34.123 parts 1-3.

### 5. Service Aspects

None

### 6. MMI-Aspects

None

### 7. Charging Aspects

None

### 8. Security Aspects

None

### 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

**10.Expected Output and Time scale (to be updated at each plenary)**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		Dependent on stability of core specs	General maintenance and updates	
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		Dependent on stability of the core specs		

**11.Work item raporteurs**

Mr Dan FOX, Anritsu Ltd, UK;

**12 Work item leadership**

TSG T1-~~SWG~~-SIG

**13 Supporting Companies**

Nokia, Siemens, Sony-Ericsson, NTTDoCoMo, Rohde & Schwarz, Motorola, Ericsson, [ANRITSU](#)

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

## WT\_T1-06\_33. Completion of the Release 99 TCs for TDD (SIG)

### 1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

### 7. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
TBD	T1-06_33	S_WT	Completion of the Release 99 TCs for TDD

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

### 3. Justification

So far for release 99 it has only been possible to create the signalling test cases for FDD. It will be necessary to modify and adapt these FDD test cases to test TDD.

### 4. Objective

To provide 3GPP with prose signalling test cases and an abstract test suite in TTCN capable of conformance testing the TDD release 99 UEs.

### 5. Service Aspects

None

### 6. MMI-Aspects

None

### 7. Charging Aspects

None

### 8. Security Aspects

None

### 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

**10.Expected Output and Time scale (to be updated at each plenary)**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		TSG T #24, July 04 Work starts: TSG T1 #13	Adaptation for TDD	
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		TSG T #26, Dec 04 Work starts: TSG T1 #13	Adaptation for TDD	

**11.Work item raporteurs**

Mr Dan FOX, Anritsu Ltd, UK;

**12 Work item leadership**

TSG T1

**13 Supporting Companies**

Siemens, NTTDoCoMo, Nokia, Anritsu

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.



## Work Item Description

### **WT\_T1-06\_34. Testing RAB support enhancements-Robust Header Compression (SIG/Rel 4)**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
9	RAN_Wis_	P_F	RAN improvements
2102	T1-06_16	P_BB	Conformance Testing Aspects - RAN improvements
2206	WI Completed	R_WI	RAB support enhancement - ROHC part only
2461?	T1-06_34	WT	Testing RAB support enhancements-Robust Header Compression

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

See LS from R2, R2-010760

*TSG RAN WG2 would like to inform TSG-T WG1 that the Robust Header Compression (ROHC) protocol as standardised in the Internet Engineering Task Force (IETF) ROHC WG has been agreed by TSG RAN WG2 to be included in Release 4 of PDCP(TS 25.323).*

*ROHC has been part of the work item, "Radio Access Bearer Support Enhancements" and the results are captured in TR 25.844 v2.0.0. The corresponding CRs to include ROHC into the Release 4 of radio interface protocols have also been agreed in TSG RAN WG2.*

*The IETF standardisation process has a requirement for interoperability testing before an IETF protocol is made a permanent standard. However, TSG RAN WG2 would like to ask TSG-T WG1 if it is necessary to test the ROHC protocol in 3GPP if it already will be done in IETF. Should there be tests in 3GPP and/or co-operation from 3GPP with the IETF interoperability tests for ROHC?.*

*TSG RAN2 WG2 would like TSG-T WG1 to consider these questions when designing tests for Release 4 of PDCP.*

#### **4. Objective**

This work item should provide the conformance test capability to verify that the radio access bearer support enhancements on the Uu interface are correctly implemented within the UE for Robust Header Compression (RoHC).

#### **5. Service Aspects**

None

## 6. MMI-Aspects

None

## 7. Charging Aspects

None

## 8. Security Aspects

None

## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		TSG T #21, Sept 03	Header compression for VoIP, Normally referenced from an IETF RFC?,	
TS34123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		TSG T #23, March 04	Preparation and modification of TTCN test cases to accommodate changes in test specification	

## 11. Work item rapporteurs

Dan Fox

## 12 Work item leadership

TSG T1

## 13 Supporting Companies

Ericsson, Motorola, Nokia, Cetecom, ~~IRISA~~ Nortel Networks

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

**Work Item Description**

**WT\_T1-06\_35. Testing UMTS 1900 (SIG/RF) Rel. Ind. –  
CLOSED**

Closed (TSG T1 #20)

## WT\_T1-06\_36. Conformance Testing of HSDPA

### 1 3GPP Work Area

X	Radio Access
	Core Network
	Services

### 2 Linked work items

WP ID	WID	Rel. *	Title
2476	RP-010915	P_F	High Speed Downlink Packet Access (HSDPA)
2478	RP-010915	P_BB	High Speed Downlink Packet Access (HSDPA) - layer 2 and 3 aspects
2480	RP-010915	P_BB	HSDPA RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

### 3 Justification

The study item on HSDPA was concluded in RAN WG#11 with recommendations on the techniques to be included in Rel-5. The core specifications were updated and enhanced for Rel-5 and therefore the test specifications must be updated to reflect these changes. This work item enables the conformance testing of HSDPA.

### 4 Objective

The technical objective of this work item is the conformance testing of HSDPA to prepare a conformance test specification for the signalling layer 2 and 3 aspects. Also prepare a conformance test specification for the various RF characteristics of the HSDPA feature as they impact the mobile station performance and the radio resource management aspects.

### 5 Service Aspects

None

### 6 MMI-Aspects

None

### 7 Charging Aspects

None

**8 Security Aspects**

None

**9 Impacts**

Affects:	USIM	ME	AN	CN	Others
Yes		X	X		
No	X			X	X
Don't know					

**10 Expected Output and Time scale**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject	Approved at plenary#		Comments	
34.108		Common Test Environments for User Equipment (UE) Conformance Testing				
34.121		Terminal Conformance Specification, Radio Transmission and Reception - FDD				
34.122		Terminal Conformance Specification, Radio Transmission and Reception - TDD				
34.123		UE Conformance Specification; Protocol, aspects				

**11 Work item rapporteurs**

Carolyn Taylor (Motorola)

**12 Work item leadership**

T1

**13 Supporting Companies**

Panasonic, Nokia, NTT DoCoMo, Ericsson, Motorola

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

**14c The WI is a Work Task:**

See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

## Work Item Description

### WT\_T1-06\_39. Testing of Extended RoHC (SIG/Rel 4)

#### 1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

#### 2. Linked work items

WP ID	WID	Rel. *	Title
9	RAN_Wis_	P_F	RAN improvements
2102	T1-06_16	P_BB	Conformance Testing Aspects - RAN improvements
TBD	T1-06_39	WT	Testing of Extended RoHC

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### 3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

*ROHC is designed for IP-based networks to be used in "cellular links" as in PS domain of 3GPP. Therefore ROHC is an essential part of PDCP Release 4. However, ROHC specification is a complex state/mode machine, which is subdivided in a framework specification part and in 4 profiles (RTP, UDP, ESP, uncompressed) described in detail in ROHC specification IETF RFC 3095. Since ROHC is optional but an essential for PDCP, ROHC conformance testing is proposed to be tested in terms of 3GPP.*

See also WI. T1-06\_34

#### 4. Objective

*This work item should provide extended conformance test capability to verify that Robust Header Compression (RoHC) as described in Specification IETF RFC 3095 and used in the PDCP layer description Release 4 is correctly implemented within the UE supporting RoHC.*

#### 5. Service Aspects

None

#### 6. MMI-Aspects

None

#### 7. Charging Aspects

None

#### 8. Security Aspects

None



## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
S34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification		TSG T # <del>22, Sept-03</del> <a href="#">24, Jun 2004</a>	Header compression for several IP packet types, Referenced from IETF RFC 3095	
S34123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases		TSG T # <del>25, Sep 2004</del> <a href="#">23, Dec-03</a>	Drafting and modification of TTCN test cases as separate test clause	

## 11. Work item rapporteurs

Dan Fox, Chairman of TSG T1/SIG

## 12 Work item leadership

TSG T1 SWG/SIG

## 13 Supporting Companies

Cetecom, Nokia, Samsung, ~~IRISA~~[Nortel Networks](#)

## 14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

## Work Item Description

### **WT\_40. Testing of support for IMS, Rel-5**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
TBD	T1-06_xx	P_F	UE Performance tests for Release 5
1274	SP-010339	R_WI	Call control and Roaming to support IMS
TBD	T1-06_40	WT	Testing of support for IMS, Rel-5

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

With the introduction of IMS as a release 5 feature it will be necessary to ensure that the UE can respond correctly to the call control commands. In addition new Radio Access Bearers will be need to support IMS and therefore the test specifications will need to reflect these enhancements

#### **4. Objective**

The objective of this work item is to develop signalling test cases that prove the correct operation of a Rel 5 UE when used with IMS. The test cases will ensure correct behaviour and the ability to support the IMS features and associated RABs.

This will result in changes to documents 34.108 and 34.123.

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

#### **8. Security Aspects**

None

## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
	TBD					
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS 34.108		Common Test Environments for User Equipment (UE) Conformance Testing		TSG-T#17, September 2002 <a href="#">TBD</a>	Create and maintain release 5 version and add new RAB(s)	
TS 34.123		UE Conformance Specification; Protocol, aspects		TSG-T#21, Sept 2003, pt 4 TSG-T#23, Mar 2004, pt 3 <a href="#">TBD</a>	Create and maintain Rel 5 version of document and add new IMS test cases	

## 11. Work item rapporteurs

TBD (Mr Dan FOX, Anritsu Ltd, UK)

## 12 Work item leadership

Phillip Brown, Three, UK

## 13 Supporting Companies

Three, Nortel Networks, DoCoMo, TIM

## 14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

## Work Item Description

### **WT\_41. General changes to TS34.121 and TS34.122 corresponding to release 5**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
1216	RAN 21	P_F	Radio Interface Improvements
1839	T1-06_03	BB	Conformance Test Aspects - improvements in Radio Interface
TBD	T1-06_41	WT	General changes to TS34.121 and TS34.122 corresponding to release 5

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

It is recognised that as part of the release 5 improvements to the radio interface there will be additions to the core specification that will dictate the need for additional test specifications and changes to existing ones.. This WI covers those changes that become necessary when moving from release 4 and that are not already covered by other specific Rel 5 work items.

#### **4. Objective**

The WI will cover any additional change requests to TS 34.121 and TS34.122 necessary to provide test specifications that correspond to the release 5 core specifications.

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

#### **8. Security Aspects**

None

### 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

### 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
	TBD					
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS 34.108		Common Test Environments for User Equipment (UE)		TSG T#23, March 2004		
TS34.121 and TS34.122		UE Conformance Specification; Radio Transmission and Reception FDD/TDD		TSG T#23, March 2004		

### 11. Work item rapporteurs

Mr Mitsuru Yokoyama, Agilent Technologies

### 12 Work item leadership

TSG T1

### 13 Supporting Companies

Agilent Technologies, Nokia, Motorola, Anritsu, Rohde & Schwarz....

### 14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

## Work Item Description

### **WT\_42. General changes to TS34.121 corresponding to release 4**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
1216	RAN 21	P_F	Radio Interface Improvements
1839	T1-06_03	BB	Conformance Test Aspects - improvements in Radio Interface
TBD	T1-06_42	WT	General changes to TS34.121 corresponding to release 4

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

It is recognised that as part of the release 4 improvements to the radio interface there will be additions to the core specification that will dictate the need for additional test specifications and changes to existing ones.. This WI covers those changes that become necessary when moving from release 99 and that are not already covered by other specific Rel 4 work items.

#### **4. Objective**

The WI will cover any additional change requests to TS 34.121 necessary to provide test specifications that correspond to the release 4 core specifications.

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

#### **8. Security Aspects**

None

## 9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

## 10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
	TBD					
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
TS 34.108		Common Test Environments for User Equipment (UE)		TSG T#23, March 2004		
TS34.121		UE Conformance Specification; Radio Transmission and Reception FDD		TSG T#23, March 2004		

## 11. Work item rapporteurs

Mr Mitsuru Yokoyama, Agilent Technologies, Japan

## 12 Work item leadership

TSG T1/RF

## 13 Supporting Companies

Agilent Technologies, Nokia, Motorola, Anritsu, Rohde & Schwarz....

## 14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

**Work Item Description**

**WT\_51. Conformance Testing of MExE Environment-CLOSED**



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## Work Item Description

### **WT\_52. Signalling testing for W/B AMR codec functions, Rel-5**

#### **1. 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2. Linked work items**

WP ID	WID	Rel. *	Title
TBD	T1-06_70	P_F	Applications Platform Tests for Release 5
1445	SP-99354	R_WI	Wideband Telephony Service - AMR
TBD	T1-06_52	WT	Signalling testing for W/B AMR codec functions Rel-5

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### **3. Justification**

SA4 in LS to T1 stated that it was up to T1 whether there was any testing aspect required. Current thinking is that we need to perform a protocol test to ensure that the UE switches codec types when requested to.

The performance of the codec will not be tested, rather it will be a matter of commercial forces will apply

#### **4. Objective**

The objective of this work item is to prove that the UE can switch to AMR codec when requested by the network

#### **5. Service Aspects**

None

#### **6. MMI-Aspects**

None

#### **7. Charging Aspects**

None

#### **8. Security Aspects**

None

**9. Impacts**

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No			X	X	
Don't know	X				X

**10. Expected Output and Time scale (to be updated at each plenary)**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
	TBD					
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

**11. Work item rapporteurs**

TBD

**12 Work item leadership**

TBD

**13 Supporting Companies**

TBD

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

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## Work Item Description

### **WT\_53. Terminal Conformance Specification of Radio Transmission and Reception for DS-CDMA Introduction in the 800 MHz Band**

#### **1 3GPP Work Area**

X	Radio Access
	Core Network
	Services

#### **2 Linked work items**

WP ID	WID	Relation	Title
1216		P_F	improvements of Radio Interface
24009	RP-030178	BB	DS-CDMA introduction in the 800 MHz band

#### **3 Justification**

As for IMT-2000, spectrum was first identified by WARC-92. WRC-2000 also considered issues related to IMT-2000, resulting in the additional spectrum identification for the terrestrial component of IMT-2000. In addition, ITU-R Study Group 8 has recently forwarded into the ITU approval process a revision to ITU-R Recommendation M. [1036-1]. This revision includes recommended frequency arrangements for the additional IMT-2000 spectrum identified at WRC-2000; in particular the band 806-960 MHz.

In Japan, currently the band 806-960MHz is mainly used for several Mobile Services. The allocation for the services are rather fragmented and complicated compared with other countries. A working group has been established under the national telecommunication council in Japan to consider the technical condition of the frequency re-arrangement in 800MHz band in order to enhance frequency efficiency. Therefore, the proponents of this work item believe that there is high possibility that IMT-2000 would be introduced in Japan in the band near future.

TSG RAN#19 approved work item description of DS-CDMA Introduction in the 800 MHz Band[RP-030178].

#### **4 Objective**

The purpose of this work item is to:

- 4.1 Alignment of Terminal Conformance Specification of DS-CDMA in the 800 MHz band to core specification.

The specific bands to be discussed are<sup>1</sup>:

[810 – 855] MHz: Up-link (UE transmit, Node B receive)

[855 – 900] MHz: Down-link (Node B transmit, UE receive)

- 4.2 Generate CR's to update the appropriate documents
- 4.3 Any additional related issues.

**5 Service Aspects**

None

**6 MMI-Aspects**

None

**7 Charging Aspects**

None

**8 Security Aspects**

None

**9 Impacts**

Affects:	USIM	ME	AN	CN	Others
Yes		X	X		
No	X			X	X
Don't know					

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<sup>1</sup> These uplink/downlink pairings are consistent with the revision of ITU-R M.[1036-1].

**10 Expected Output and Time scale**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
34.121		Terminal Conformance Specification, Radio Transmission and Reception		T#22 (December 2003)		
34.108		Common test environments for User Equipment (UE) conformance testing		T#22 (December 2003)		

**11 Work item rapporteurs**

Kazumasa NITTA (NTT DoCoMo)

**12 Work item leadership**

T1

**13 Supporting Companies**

NTT DoCoMo, Fujitsu, Panasonic, NEC

**14 Classification of the WI (if known)**

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

**14b The WI is a Building Block:**

This WI is a building block part of the radio interface improvement feature.

|

## Work Item Description

### WT 54. Conformance Testing of A-GPS Minimum Performance

#### 1 3GPP Work Area

<u>X</u>	<u>Radio Access</u>
	<u>Core Network</u>
	<u>Services</u>

#### 2 Linked work items

<u>WP ID</u>	<u>WID</u>	<u>Rel. *</u>	<u>Title</u>
<u>24012</u>	<u>RP-030308</u>	<u>P BB</u>	<u>AGPS Minimum Performance Specification Development</u>

\* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

#### 3 Justification

RAN WG4 has agreed to provide minimum performance for A-GPS in TS 25.133. There is no active effort to pursue A-GPS performance test specification in TS 34.121. As a result, the location measurement reporting accuracy from different UE vendors could be different, which makes it difficult for a network operator to use these location reports to fulfil the service requirements for location clients.

#### 4 Objective

The technical objective of this work item is the conformance testing of A-GPS to prepare a conformance test specification based on A-GPS minimum performance requirements for both UE based and UE assisted A-GPS.

#### 5 Service Aspects

None

#### 6 MMI-Aspects

None

#### 7 Charging Aspects

None

**8 Security Aspects**

None

**9 Impacts**

<u>Affects:</u>	<u>USIM</u>	<u>ME</u>	<u>AN</u>	<u>CN</u>	<u>Others</u>
<u>Yes</u>		<u>X</u>	<u>X</u>		
<u>No</u>	<u>X</u>			<u>X</u>	<u>X</u>
<u>Don't know</u>					

**10 Expected Output and Time scale**

<u>New specifications</u>						
<u>Spec No.</u>	<u>Title</u>	<u>Prime rsp. WG</u>	<u>2ndary rsp. WG(s)</u>	<u>Presented for information at plenary#</u>	<u>Approved at plenary#</u>	<u>Comments</u>
<u>Affected existing specifications</u>						
<u>Spec No.</u>	<u>CR</u>	<u>Subject</u>	<u>Approved at plenary#</u>		<u>Comments</u>	
<u>34.121</u>		<u>Terminal Conformance Specification, Radio Transmission and Reception - FDD</u>	<u>T#25</u>			

**11 Work item rapporteurs**

Carolyn Taylor (Motorola)

**12 Work item leadership**

T1

**13 Supporting Companies**

Agilent, Ericsson, Motorola, Nokia, Qualcomm, Spirent Communications

**14 Classification of the WI (if known)**

	<u>Feature (go to 14a)</u>
	<u>Building Block (go to 14b)</u>
<u>X</u>	<u>Work Task (go to 14c)</u>



**14c The WI is a Work Task:**

See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.