TSG-RAN Meeting #28 **RP-050266**

Quebec, Canada 1 – 3 June 2005

Source:	**NAKAGOMI, Hisashi @ NTTDoCoMo (TSG RAN5 vice Convenor)**
Title:	**Updated Work Item Progress Report**
Agenda item:	**7.6.2**
Document for:	**Information**

This document includes RAN5 work items approved by TSG-RAN#27

T1-06

Version ~~20~~ 21

T1 Work Item descriptions for Rel 4, Rel 5, Rel 6 and Release Independent

The following document contains all of the Work Item descriptions so far identified for TSG T1 releases 4, 5 and release independent items. The intention is that a single document will be more convenient for people to use and more easily referenced from the work plan.

The work items in the work plan are organised so that the conformance test aspects, related to each feature, are collected into a single building block. Each building block has the title 'Conformance Test Aspects –' followed by the title of the parent feature. The Work Tasks going into the Conformance Test Aspects building blocks then correspond to the other UE related work items under the parent feature.

Note: Building blocks are supported by TSG T1 collectively whereas the work tasks are required to have 4 supporting companies before they are approved by T1.

Work plan ID shown in *italics* refer to ID numbers in the T1 modified work plan and may change when added to the formal work plan.

The titles are colour coded to indicate the WI status.

Green: WI description approved
Blue: For approval by TSG ~~T1~~RAN51/~~T~~RAN
Yellow: WI drafted but not approved
Gray: WI closed, withdrawn or merged with another work item
Red: WI sheet not yet drafted

Table of Contents:-

Change History

Version 0 to 1

1. Update Work Plan IDs to match the released work plan, release 19th 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 slighly 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 raporteurs 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

Version 16 to 17

1. Change the completion date of T1-06_13 to TSG T#27, Mar 05 (TS34.123a,b) and TSG T#29, Sep 05 (TS34.123c)

2. Change the completion date of T1-06_29 to TSG T#26, Dec 04 (TS34.123a,b) and TSG T#28, Jun 05 (TS34.123c)

3. Change the completion date of T1-06_33 to TSG T#27, Mar 05 (TS34.123a,b) and TSG T#31, Mar 06 (TS34.123c)

4. Change the completion date of T1-06_34 to TSG T#26, Dec 04 (TS34.123a,b) and TSG T#28, Jun 05 (TS34.123c)

5. Change the completion date of T1-06_39 to TSG T#26, Dec 04 (TS34.123a,b) and TSG T#28, Jun 05 (TS34.123c)

6. Closed WT_T1-06_42 “General changes to TS34.121 corresponding to release 4”

7. Change the completion date of T1-06_41 to TSG T#26, Dec 04.

8. Change the completion date of T1-06_27 to TSG T#26, Dec 04.

9. Change the completion date of T1-06_28 to TSG T#26, Dec 04.

10. Closed WT_53 “Terminal Conformance Specification of Radio Transmission and Reception for DS-CDMA Introduction in the 800 MHz Band”

Version 17 to 18

1. Add WID WT-55, General changes to TS34.121 and TS34.122 corresponding to release 6.

2. Add WID WT-54, Terminal Conformance Specification of Radio Transmission and Reception for introduction in the UMTS-850 MHz Band

3. Add WID WT-57, Difference and Corresponding Effect Analysis between FDD and 1.28Mcps TDD in Radio Access Stratum Protocol Aspects

Version 18 to 19

1. Add WID WT-55, General changes to TS34.121 and TS34.122 corresponding to release 6.

2. Add WID WT-54, Terminal Conformance Specification of Radio Transmission and Reception for introduction in the UMTS-850 MHz Band

3. Add WID WT-57, Difference and Corresponding Effect Analysis between FDD and 1.28Mcps TDD in Radio Access Stratum Protocol Aspects

Version 19 to 20

1. Change editorial errors

2. Add WID WT-58, Conformance Test Aspects – Network Sharing.

3. Change the completion date of T1-06_13 to TSG RAN#29, Sep05 (34.123-1,-2) and TSG RAN#31, Mar 06(34.123-3).

4. Change the completion date of T1-06_27 to TSG RAN#29, Sep05.

5. Change the completion date of T1-06_28 to TSG RAN#29, Sep05.

6. Change the completion date of T1-06_29 to TSG RAN#28, Jun05 (34.123-1,-2) and TSG RAN#30, Dec05(34.123-3).

7. Change the completion date of T1-06_33 to TSG RAN#28, Jun05 (34.123-1,-2) and TSG RAN#31, Mar06(34.123-3).

8. Change the completion date of T1-06_34 to TBD(34.123-1,-2) and TBD(34.123-3).

9. Change the completion date of T1-06_36 to TSG RAN#28, Jun05 (34.108, 34.121, 34.122, 34.123-1,-2) and TSG RAN#30, Dec 05 (34.123-3).

10. Change the completion date of T1-06_39 to TBD(34.123-1,-2) and TBD(34.123-3).

11. Elased non-active support company of T1-06_40; Three and TIM.

12. Change the completion date of T1-06_41 to TSG RAN#28, Jun 05.

13. Change the completion date of T1-06_54 to TSG RAN#28, Jun 05.

14. Change the completion date of T1-06_55 to TBD.

15. Closed WT_56. Terminal Conformance Specification of Radio Transmission and Reception for introduction in the UMTS-850 MHz Band

Version 20 to 21

1. Change the completion date of T1-06_29 to TSG RAN#29, Sep05 (34.123-1,-2)

2. Change the completion date of T1-06_33 to TSG RAN#30, Dec 05(34.123-1,-2)

3. Change the completion date of T1-06_36 to TSG RAN#29, Sep 05(34.108, 34.121, 34.122, 34.123-1, -2)

4. Change the completion date of T1-06_41 to TSG RAN#30, Dec 05 (34.108, 34.121, 34.122)

5. Change the completion date of WT_57 to TSG RAN#29, Sep 05

6. Add WID WT-59, Conformance Test Aspects – IMS Call Control

7. Change the completion date of WT_54 to TSG RAN#29, Sep 05

8. Add WID WT-60, Conformance Test Aspects – FDD Enhanced Uplink

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

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 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

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 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_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 RAN#29, Sep 05	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 RAN#31, Mar 06	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

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

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 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 raporteurs

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

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 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.Ssee 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. Miscelleneous 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

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 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
TS34.121		Terminal Conformance Specification; Radio transmission and reception (FDD)	TSG RAN#29, Sep 05	Recommended test suite to provide high level of confidence consistent with optimised test time

11. Work item raporteurs

Mr Mitsuru Yokoyama, Agilent Technologies, Japan;

12 Work item leadership

TSG T1

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
TS34.122		Terminal Conformance Specification; Radio transmission and reception (TDD)	TSG RAN#29, Sep 05	Recommended test suite to provide high level of confidence consistent with optimised test time

11. Work item raporteurs

Mr Thomas Maucksch, Rohde & Schwarz, Germany;

12 Work item leadership

TSG T1

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
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG RAN#29, Sep 05~~TSG RAN#28, Jun 05~~	Additional test cases
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG RAN#30, Dec 05	

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 represents 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

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 RAN#30, Dec 05~~TSG RAN#28, Jun 05~~	Adaptation for TDD
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG RAN#31, Mar 06	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	TBD	Header compression for VoIP, Normally referenced from an IETF RFC?,
TS34123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TBD	Preparation and modification of TTCN test cases to accommodate changes in test specification

11.Work item raporteurs

Dan Fox

12 Work item leadership

TSG T1

13 Supporting Companies

Ericsson, Motorola, Nokia, Cetecom, 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#11with 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
TS 34.108		Common Test Environments for User Equipment (UE) Conformance Testing	TSG RAN#29, Sep 05~~TSG RAN#28, Jun 05~~	
TS34.121		Terminal Conformance Specification, Radio Transmission and Reception - FDD	TSG RAN#29, Sep 05~~TSG RAN#28, Jun 05~~	
TS34.122		Terminal Conformance Specification, Radio Transmission and Reception - TDD	TSG RAN#29, Sep 05~~TSG RAN#28, Jun 05~~	
TS 34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG RAN#29, Sep 05~~TSG RAN#28, Jun 05~~	
TS34123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG RAN#30, Dec 05, pt3	

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
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TBD	Header compression for several IP packet types, Referenced from IETF RFC 3095
TS34123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TBD	Drafting and modification of TTCN test cases as separate test clause

11.Work item raporteurs

Dan Fox, Chairman of TSG T1/SIG

12 Work item leadership

TSG T1 SWG/SIG

13 Supporting Companies

Cetecom, Nokia, Samsung, 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	TBD	Create and maintain release 5 version and add new RAB(s)
TS 34.123		UE Conformance Specfication; Protocol, aspects	TBD	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

Nortel Networks, DoCoMo, 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

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 RAN#30, Dec 05~~TSG RAN#28, Jun 05~~		
TS34.121 and TS34.122		UE Conformance Specification; Radio Transmission and Reception FDD/TDD		TSG RAN#30, Dec 05~~TSG RAN#28, Jun 05~~		

11.Work item raporteurs

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

Closed (TSG T1 #23)

Work Item Description

WT_51. Conformance Testing of MExE Environment-CLOSED

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 swiches 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 raporteurs

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.

Work Item Description

WT_53. Terminal Conformance Specification of Radio Transmission and Reception for DS-CDMA Introduction in the 800 MHz Band

Closed (TSG T1 #23)

Work Item Description

WT_54. Conformance Testing of A-GPS Minimum Performance

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

WP ID	WID	Rel. *	Title
24012	RP-030308	P_BB	AGPS Minimum Performance Specification Development

* 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

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
34.121		Terminal Conformance Specification, Radio Transmission and Reception - FDD		TSG RAN#29, Sep 05~~TSG RAN#28, Jun 05~~		

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)

	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_55. General changes to TS34.121 and TS34.122 corresponding to release 6

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
TBD	T1-06_XX	BB	Conformance Test Aspects - improvements in Radio Interface
TBD	T1-06_YY	WT	General changes to TS34.121 and TS34.122 corresponding to release 6

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

3. Justification

It is recognised that as part of the release 6 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 5 and that are not already covered by other specific Rel 6 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 6 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)	TBD	
TS34.121 and TS34.122		UE Conformance Specification; Radio Transmission and Reception FDD/TDD	TBD	

11. Work item raporteurs

Mr Moray Rumney, Agilent Technologies

12 Work item leadership

TSG T1

13 Supporting Companies

Agilent Technologies, Nokia, Motorola, Aeroflex, Siemens

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_56. Terminal Conformance Specification of Radio Transmission and Reception for introduction in the UMTS-850 MHz Band

Closed (TSG T1 #26)

Work Item Description

WT_57. Difference and Corresponding Effect Analysis between FDD and 1.28Mcps TDD in Radio Access Stratum Protocol Aspects

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

FDD and LCR TDD share mostly contents in layers beyond physical layer. A detailed TR on difference analysis and their corresponding effects between FDD and LCR TDD will be helpful to share the FDD TTCN resources as mostly as possible in LCR TDD TTCN development. In hence, it can accelerate the LCR TDD TTCN development progress.

4. Objective

The WI will provide a detailed analysis on the different aspects and their corresponding effect to conformance test between FDD and LCR TDD in Uu interface and Iub interface.

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					
No	X	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
34.xxx	Difference and Corresponding Effect Analysis between FDD and 1.28Mcps TDD in Radio Access Stratum Protocol Aspects	T1		TSG RAN#27, Mar05	TSG RAN#29, Sep 05~~TSG RAN#28, Jun05~~	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11. Work item raporteurs

Mr Zhifeng Ma, ZTE Corporation

12. Work item leadership

TSG T1

13. Supporting Companies

ZTE Corporation, Datang Mobile, RITT, Siemens

14. Classification of the WI (if known)

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

Work Item Description

WT_58. Conformance Test Aspects – Network Sharing

1. 3GPP Work Area

X	Radio Access
X	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
31018	SA	P_F	Network Sharing
31019	SA	BB	Technical Report
31038	SA	BB	Stage 1 - CRs to implement Network Sharing
32044	SA	BB	Stage 2
11043	CN	BB	Network sharing - stage 3
22004	RAN	BB	Enhancement of the support of network sharing in the UTRAN

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

3. Justification

The core specifications are being updated and enhanced for Release 6 and therefore the test specifications must be updated to reflect these changes. Core specification updates for Network Sharing with UE impact are done in 23.122, 24.008, 25.331 and 25.304.

4. Objective

In release 6, new functionality is introduced within the WI on Network Sharing to enable network sharing partners to broadcast multiple PLMN identities on one UMTS carrier. The UE behaviour for PLMN selection, cell selection and reselection is modified to take multiple PLMN identities into account.

The objective of this WI is to specify conformance tests in TS 34.123-1 (and corresponding updates to 34.123-2 and 34.108 if necessary) covering the new UE mandatory functionality.

The following aspects need to be considered

- Automatic PLMN selection when multiple PLMN identities are broadcast on one carrier
- Manual PLMN selection when multiple PLMN identities are broadcast on one carrier
- Cell selection of a cell broadcasting multiple PLMN identities
- Cell reselection to a cell broadcasting multiple PLMN identities (both in idle mode and in connected mode)
- PLMN indication in RRC initial direct transfer message
- Forbidden list handling at LA/RA reject, when LAU/RAU is initiated in cell broadcasting multiple PLMN identities
- Usage of SIB18 (PLMN identity of neighbour cells) for neighbour cells with multiple PLMN identities

- LA/RA update triggered by dedicated RRC signalling of PLMN identity, using the new Rel 6 RRC PLMN identity IE, overriding the old PLMN identity in the RRC “CN-information-info” IE
- Equivalent PLMN based cell reselection to a cell broadcasting multiple PLMN identities, followed by LA/RA update.

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 RAN#30, Dec 05	Definition of test environment for network sharing test cases.
TS 34.123-1		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TSG RAN#30, Dec 05	Introduction of new test cases related to network sharing
TS 34.123-2		User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG RAN#30, Dec 05	Applicability statements for new network sharing test cases
TS 34.123-3		User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TBD	Development of TTCN test cases for the new network sharing test cases

11.Work item rapporteurs

Mr Niklas Wirén, TeliaSonera, Sweden

12 Work item leadership

TSG T1

13 Supporting Companies

TeliaSonera, Ericsson, Nokia, Motorola, Cingular

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_59. Conformance Test Aspects – FDD Enhanced Uplink

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
20003	RP	P_F	FDD Enhanced Uplink
20004	R2	BB	FDD Enhanced Uplink - Stage 2
20005	R1	BB	FDD Enhanced Uplink - Physical Layer
20006	R2	BB	FDD Enhanced Uplink - Layer 2 and 3 Protocol Aspects
20007	R3	BB	FDD Enhanced Uplink - UTRAN Iub/Iur Protocol Aspects
20008	R4	BB	FDD Enhanced Uplink - 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 core specifications for Release 6 have been enhanced by introduction of FDD Enhanced Uplink feature and the test specifications need to be updated accordingly. This work item enables the conformance testing of FDD Enhanced Uplink feature.

4. Objective

The technical objective of this work item is to provide for conformance testing of the FDD Enhanced Uplink feature covering the various RF characteristics, the radio resource management aspects and the signalling Layer 2 and 3 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
TS 34.108		Common test environments for User Equipment (UE) conformance testing	TSG RAN#31, March 06	Definition of common test environment for FDD Enhanced Uplink testing.
TS 34.109		Terminal logical test interface; Special conformance testing functions	TSG RAN#31, March 06	TS 34.109 is under RAN2 responsibility but RAN5 need to identify possible new requirements on UE test loop functionality to enable testing of Enhanced Uplink feature.
TS 34.121		Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TSG RAN#31, March 06	Introduction of new RF&RRM test cases for FDD Enhanced Uplink
TS 34.123-1		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TSG RAN#31, March 06	Introduction of new Layer 2 and Layer 3 signalling test cases for FDD Enhanced Uplink
TS 34.123-2		User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG RAN#31, March 06	Applicability statements for the new Layer 2 and 3 signalling test cases for FDD Enhanced Uplink
TS 34.123-3		User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TBD	Development of TTCN test cases for the Layer 2 and 3 signalling test cases for FDD Enhanced Uplink

11.Work item rapporteurs

Mr Leif Mattisson, Ericsson, Sweden

12 Work item leadership

TSG RAN5

13 Supporting Companies

Cingular, Ericsson, Nokia, NTT DoCoMo, Motorola, Vodafone, Qualcomm, ZTE

14 Classification of the WI (if known)

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

14c. This 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_60. Conformance Test Aspects – IMS Call Control

1. 3GPP Work Area

	Radio Access
X	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1273	S1	P_F	Provisioning of IP based Multimedia Services
1274	S2	BB	Call control and Roaming to support IMS
2233	N1	BB	SIP Call Control protocol for the IMS
2255	N1	BB	IMS Session Handling; stage 2
1278	N1	BB	IMS Stage 3

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

3. Justification

IMS Call Control based on SIP forms the basis of IMS applications. Conformance test specifications must be developed for IMS Call Control Protocol to verify correct functionality of the UE when operating in an IMS network. This work item enables the conformance testing of IMS Call Control Protocol.

4. Objective

The technical objective of this work item is to provide for conformance testing of the IMS Call Control Protocol.

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
TBD	User Equipment (UE) conformance testing for IMS Call Control	RAN5		TSG RAN#30, Dec 05	TSG RAN#31, March 06	Definition of IMS Call Control Test Cases

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS 34.108		Common test environments for User Equipment (UE) conformance testing	TSG RAN#31, March 06	Definition of common test environment for IMS Call Control.
		TBD		

11.Work item rapporteurs

Mr Jacob John, Motorola

12 Work item leadership

TSG RAN5

13 Supporting Companies

Motorola, Vodafone, Orange, Telecom Italia, NEC

14 Classification of the WI (if known)

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

14c. This WI is a Work task

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