TSG-RAN meeting #10 RP-000698
Bangkok, Thailand, 6-8 December 2000

Source: **TSG-RAN 4 Chairman**

Title: **RAN 4 Work Item sheets - latest situation**

This document contains WI sheets that affect the TSG-RAN 4 specifications along with a progress report.

FDD Base station classification

25.951- FDD Base Station Classifications

This technical report on FDD base station classifications is presented for information. The cover sheet is in document RP-000597, and the report in RP-000598. This will be converted into either new release 4 specifications or release 4 CRs at the next RAN plenary #11

TDD Base station classification

25.952- TDD Base Station Classifications

This technical report on TDD base station classifications is presented for information. This will be converted into either new release 4 specifications or release 4 CRs at the next RAN plenary #11

NodeB Synchronisation for TDD

The RAN 4 work in this area has been completed.

UTRA FDD Repeater Specification

25.106 - Repeaters

This technical report is available for information. The cover sheet is in document RP-000595, and the report in RP-000596. This will be presented for approval for release 4 at the next RAN plenary #11

25.143 – Repeater Type Approval

This technical report is available for information. The cover sheet is in document RP-000670, and the report in RP-000671. This will be presented for approval for release 4 at the next RAN plenary #11

Terminal power saving features

No work in this area has been performed yet.

Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing

25.945 – Narrowband TDD option

This technical report is for endorsement. The cover sheet is in document RP-000677, and the report in RP-000678. This will be converted into either new release 4 specifications or release 4 CRs at the next RAN plenary #11

UE positioning enhancements

Work on measurement accuracies has started but no consensus has been reached.

RAN Technical Small Enhancements and Improvements

Work in simulating the common channel performance is ongoing and performance results, along with CRs for release 4, should be expected at RAN #11.

DSCH power control improvement in soft handover

No work in this area has been performed yet.

UMTS 1800

Work in this area is progressing. The report from the adhoc has not been approved by RAN 4 but is available for those interested parties on our reflector in document R4-1800011.

FDD Base station classification

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000183)

Work Item Description

Title

FDD Base Station Classification

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

none

3 Justification

Current TSG RAN WG4 specifications have been done according to the requirements for the macrocell base stations (NodeBs). For the UTRA evolution requirements specific for other type of base stations are needed as well (e.g. micro, pico)

4 Objective

- definition of base station classes according to deployment scenarios (e.g. macro, micro, pico)
- identification, review and possible update of radio parameters dependent on deployment scenarios
- identification, review and possible update of UTRAN (Node B) measurement requirements and conformance where the maximum base station output power is reflected, dependent on deployment scenarios
- review and possible update of conformance test specifications
- recording of related information into RF System Scenarios

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					

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 endorsement at plenary#	Approved at plenary#	Comments
25.951	FDD Base station classification	R4		RAN #11	RAN #11	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
25.104		UTRA (BS) FDD, Radio Transmission and Reception	RAN #11	
25.141		Base Station Conformance Testing (FDD)	RAN #11	
25.133		Requirements for Support of Radio Resource Management (FDD)	RAN #11	?
25.942		RF System Scenarios	RAN #11	

11 Work item raporteurs

Antti Toskala, Nokia Networks

12 Work item leadership

TSG-RAN WG4

13 Supporting Companies

TSG-RAN

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c The WI is a Work Task: parent Building Block: Base Station Classification

(one Work Item identified as a building block)

TDD Base station classification

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000185)

Work Item Description

Title

TDD Base Station Classification

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

none

3 Justification

Current TSG RAN WG4 specifications have been done according to the requirements for the macrocell base stations (NodeBs). For the UTRA evolution requirements specific for other type of base stations are needed as well (e.g. micro, pico)

4 Objective

- definition of base station classes according to deployment scenarios (e.g. macro, micro, pico)
- identification, review and possible update of radio parameters dependent on deployment scenarios
- identification, review and possible update of UTRAN (Node B) measurement requirements and conformance where the maximum base station output power is reflected, dependent on deployment scenarios
- review and possible update of conformance test specifications
- recording of related information into RF System Scenarios

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					

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 endorsement at plenary#	Approved at plenary#	Comments
25.952	TDD Base station classification	R4		RAN #11	RAN #11	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
25.105		UTRA (BS) TDD, Radio Transmission and Reception	RAN #11	
25.142		Base Station Conformance Testing (TDD)	RAN #11	
25.123		RF parameters in support of RRM (TDD)	RAN #11	?
25.942		RF System Scenarios	RAN #11	

11 Work item raporteurs

Antti Toskala, Nokia Networks

12 Work item leadership

TSG-RAN WG4

13 Supporting Companies

TSG-RAN

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c The WI is a Work Task: parent Building Block: Base Station Classification

(one Work Item identified as a building block)

NodeB Synchronisation for TDD

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000055)

Work Item Description

Title

NodeB Synchronisation for UTRA TDD mode

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

none

3 Justification

NodeB synchronisation is beneficial in UTRA TDD to minimise cross-interference in neighbouring cells. Currently, no method has been specified how NodeB synchronisation can be achieved with UTRAN's and UE's internal resources such as signalling via the air interface.

The following benefits of the introduction of NodeB synchronisation by means of internal resources are seen:

- A substantial reduction of the cost of the transmission network.
- An autonomous synchronisation procedure without the need of external references.
- An easily extendable method for the purpose of inter-system NodeB synchronisation.

4 Objective

The purpose of this new work item is to enable the synchronisation of NodeBs in UTRA TDD by means of UTRAN's and UE's internal resources such as air interface signals and NodeB cross measurements. NodeB synchronisation involves

- radio frame und multi frame synchronisation and
- intra-system and inter-system synchronisation.

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	
Don't know					

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 endorsement at plenary#	Approved at plenary#	Comments
25.836	NodeB synchronisation for TDD	WG1		RAN #10	RAN #11	
25.838	NodeB synchronisation for TDD	WG3		RAN #10	RAN #11	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
25.123		Requirements for Support of Radio Resource Management (TDD)	RAN #11	
25.221		Physical channels and mapping of transport channels onto physical channels (TDD)	RAN #11	
25.224		Physical Layer Procedures (TDD)	RAN #11	
25.225		Physical layer – Measurements (TDD)	RAN #11	
25.301		Radio Interface Protocol Architecture	RAN #11	
25.302		Services provided by the physical layer	RAN #11	
25.303		Interlayer procedures in connected mode	RAN #11	
25.321		MAC Protocol Specification	RAN #11	
25.331		RRC Protocol Specification	RAN #11	
25.402		Synchronisation in UTRAN Stage 2	RAN #11	
25.433		UTRAN Iub Interface NBAP Signalling	RAN #11	
25.423		UTRAN Iur Interface RNSAP Signalling	RAN #11	

11 Work item raporteurs

Stefan Oestreich, Siemens AG

12 Work item leadership

TSG-RAN WG1

13 Supporting Companies

TSG-RAN

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

Radio Interface Improvements and RAN Improvements Features

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)

UTRA FDD Repeater Specification

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000083)

Work item Description

Title:

UTRA FDD Repeater Specification

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1 3GPP work area

Radio Access

2 Linked work items

None

3 Justification

Repeaters have proven to be useful for extending the coverage into buildings, train/car tunnels, subways, highways, etc in 2nd generation systems. Also, by installing repeaters at the sector borders or in highly dense areas, the transmitted power from the MS and the BS could possibly be lowered, leading to an improvement in C/I and thereby capacity.

For the installation of repeaters in cellular networks a specification is needed in e.g. Europe due to regulatory requirements.

For operators without the capability of handover to 2nd generation systems, extending the coverage of UTRA will be of importance especially at the initial rollout stage. For operators with capability of handover to 2nd generation systems, user requirements (e.g. high data rates) may not be met by those systems and extended UTRA coverage might be needed.

4 Objective

The objective of the work item is to create a technical specification of the UTRA repeater's minimum RF characteristics which, at least, should include:

- Spurious emissions
- Intermodulation products
- Out of band gain
- Frequency stability
- Modulation accuracy
- Blocking characteristics

In addition to the minimum RF characteristics, conformance requirements and Electro Magnetic Compatibility (EMC) shall also be specified.

5 Service Aspects

The use of repeater in a network may reduce the performance of the LCS method OTDOA. This is addressed in more detail in document R4-000012.

6 MMI-Aspects

None

7 Charging Aspects

None

8 Security Aspects

None

9 Impacts

Affects:	USIM	ME	Access Network	Core Network	Others
Yes			X		
No	X	X		X	
Don't know					

10 Expected Output and Time scales

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TS 25.106	UTRA Repeater; Radio transmission and reception	WG4		RAN#9	RAN#11	Repeater minimum RF characteristics
TS 25.143	UTRA Repeater; Conformance testing	WG4		RAN#9	RAN#11	Repeater conformance testing

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS 25.113		UTRA Repeater EMC	RAN#11	Repeater EMC requirements

11 Work item rapporteurs

Martin Nilsson, Allgon AB
Thomas Kummetz, Mikom GmbH

12 Work item leadership

TSG-RAN WG4

13 Supporting companies

TSG-RAN

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 is a building block part of the radio interface improvement feature.
In addition there is a relation to the building block UE positioning in UTRA FDD.

Terminal power saving features

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000189)

Work Item Description

Title

Terminal power saving features

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

None

3 Justification

The UE battery saving, UL/DL interference reduction, and capacity increase are important for deploying the UMTS services. The gated DPCCH transmission can be one of the solutions.

4 Objective

Improving the terminal power saving features, UL/DL interference reduction, and capacity increase.

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	×			×	×
Don't know					

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 endorsement at plenary#	Approved at plenary#	Comments
25.840		WG1		RAN #10	RAN #11	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
25.214				RAN #11		
25.301				RAN #11		
25.302				RAN #11		
25.331				RAN #11		
25.101				RAN #11		
25.423				RAN #11		
25.433				RAN #11		

11 Work item raporteurs

Hokyu Choi, Samsung (choihk@telecom.samsung.co.kr)

12 Work item leadership

TSG-RAN WG1

13 Supporting Companies

TSG-RAN

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: parent Feature is "Radio Interface improvement"

Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000313)

Work Item Description

Title

RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

Low chip Rate TDD physical layer
Low Chip Rate TDD UE radio access capabilities
Low chip rate TDD Layer 2 and Layer 3 protocol aspects
Low chip rate TDD Iub/Iur protocol aspects
Low Chip Rate TDD Inter-working with GERAN
Smart Antenna

3 Justification

For the low chip rate TDD, due to the difference on chip rate, the parameters for RF are affected like e.g. operation band width, mask, out of band emission, blocking, etc. This paper is to describe one of the low chip rate TDD building blocks - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing.

4 Objective

The technical objective of this work item is the description of the low chiprate TDD RF characters, the system performance requirements and conformance testing. And this work will affect the specifications for working group on RF character and other working group related to the system performance and conformance testing and the work on UE radio access capability.

- As a building block, it includes the following work task:
- UE radio transmission and reception
- BTS radio transmission and reception
- BTS Conformance testing
- BTS Electromagnetic compatibility
- Requirements for support of Radio Resource Management

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 (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for endorsement at plenary#	Approved at plenary#	Comments
25.945		WG4		RAN #10	RAN #11	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
25.102		UE Radio Transmossion and Reception (TDD)	RAN#11	
25.105		BTS Radio Transmission and Reception (TDD)	RAN#11	
25.123		Requirements for support of Radio Resource Management (TDD)	RAN#11	
25.142		Base station conformance testing(TDD)	RAN#11	
25.942		RF system scenarios	RAN#11	
25.113		Base station EMC	RAN#11	
25.133		Requirements for support of Radio Resource Management (FDD)	RAN#11	

11 Work item raporteurs

Mr. Daijun Zhang (CATT/CWTS)

12 Work item leadership

TSG-RAN WG4

13 Supporting Companies
TSG-RAN

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

Low chip rate TDD

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)

UE positioning enhancements

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000509)

Work Item Description

1. Title

UE positioning enhancements

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

none

3 Justification

UE positioning is a function of UE and UTRAN (Access Stratum) which can be utilised for a number of purposes:

- Radio Resource Management
- Support for location based services (LCS)

Different accuracy can be requested when positioning a UE for these purposes.

4 Objective

The purpose of this work item are to increase the accuracy of the UE positioning or define methods allowing UE positioning with less complexity for a given accuracy.

Examples of enhancements are:

- Addition of IPDL for UE positioning in TDD
- Almanac corrections

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	
Don't know					

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
25.305		Stage 2 Functional Specification of Location Services in UTRAN	RAN #11	
25.123		Requirements for Support of Radio Resource Management (TDD)	RAN #11	
25.224		Physical Layer Procedures (TDD)	RAN #11	
25.225		Physical layer – Measurements (TDD)	RAN #11	
25.302		Services provided by the physical layer	RAN #11	
25.303		Interlayer procedures in connected mode	RAN #11	
25.304		UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	RAN #11	
25.331		RRC Protocol Specification	RAN #11	

25.420		UTRAN Iur Interface: General Aspects and Principles	RAN #11	
25.423		UTRAN Iur Interface RNSAP Signalling	RAN #11	
25.430		UTRAN Iub Interface: General Aspects and Principles	RAN #11	
25.433		UTRAN Iub Interface NBAP Signalling	RAN #11	

11 Work item rapporteur

Mark Beckmann, Siemens AG

12 Work item leadership

TSG-RAN WG2

13 Supporting Companies

TSG-RAN

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

14b The WI is a Building Block: parent Feature

UE positioning

14c The WI is a Work Task: parent Building Block

RAN Technical Small Enhancements and Improvements

Distributed as: in RP-000468 as R4-000729

Work Item Description

Title

Work Item Descriptions for RAN radio interface technical enhancements and improvements

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

Independent feature.

3 Justification

The RAN work item will provide a flexible means to include technical enhancements and improvements that are not normally linked to services, but –as experience with a number of cellular standards show- are required to include technical enhancements and improvements (as opposed to corrections) based on experiences gained in designing, testing and operating the system, where issues unforeseen in standardization are revealed, that need clarifications and/or additions in the standard.

4 Objective

The RAN work item will provide a flexible means to solve unforeseen shortcomings in the standard.

5 Proposed building blocks and work tasks:

6 Service Aspects

None.

6 MMI-Aspects

None

7 Charging Aspects

None

8 Security Aspects

None.

9 Impacts

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

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

Open ended.

11 Work item raporteurs

T-Mobil – Han van Bussel

12 Work item leadership

TSG RAN4

13 Supporting Companies

Motorola, Telia, T-Mobil, Vodafone Group

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

14b The WI is a Building Block: parent Feature

14c The WI is a Work Task: parent Building Block

DSCH power control improvement in soft handover

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000442)

Work Item Description

Title

DSCH power control improvement in soft handover

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

none

3 Justification

After consideration in TSG RAN WG1 it was identified that DSCH power control operation in case of soft handover possibility (for the associated DCH is) needs improvement. This topic has been studied in TSG RAN WG1 as part of the study item "radio link performance improvements".

1.1.1 4 Objective

- The purpose of this work item is to specify improvement for the DSCH power control operation.
-

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	
Don't know					

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
25.841	DSCH power control improvement in SHO	WG1		RAN #11	RAN #11	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
25.211		Physical Channels and mapping of transport channels to physical channels (FDD)	RAN #11	
25.214		Physical Layer Procedures (FDD)	RAN #11	
25.331		RRC Protocol Specification	RAN #11	
25.423		UTRAN Iur Interface RNSAP Signalling	RAN #11	
25.433		UTRAN Iub Interface NBAP Signalling	RAN #11	
25.101			RAN #11	
25.104			RAN #11	
25.141			RAN #11	
34.121			RAN #11	

11 Work item raporteurs

Antti Toskala, Nokia

12 Work item leadership

TSG-RAN WG1

13 Supporting Companies

TSG-RAN

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

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

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)

UMTS 1800

Distributed as: RAN_Work_Items_after_RAN_9 (originally RP-000448)

Work Item Description

Title

UMTS 1800

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

none

3 Justification

A decision was made at WARC 00 to extend the current IMT 2000 frequency allocation to include the current 2G cellular bands.

4 Objective

The purpose of this work item is to add the following frequency band to the 3GPP specifications

UMTS 1 800 Band:

1 710 - 1 785 MHz: mobile transmit, base receive
1 805 - 1 880 MHz: base transmit, mobile receive

A report will be generated to study the radio compatibilities of DCS1800 and UMTS1800.

TSG RAN WG2 will be asked to study the terminal capabilities. TSG RAN WG3 will be asked to study any possible interface impacts.

The following time schedule is considered for TSG RAN:

Task	**Planned Start**	**Planned Finish**
Work Item Creation	9/2000	9/2000
Work Item Approval		9/2000
Drafting and discussion, updates of	9/2000	12/2000

specifications		
Update of specifications	12/2000	3/2001
Submission of RAN WG4 specifications to TSG RAN for approval		3/2001
Possible remaining corrections, clarifications and test specifications	12/2000	03/2001

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 (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
25.101		UE Radio transmission and reception (FDD)	RAN #11	
25.104		UTRA (BS) FDD; Radio transmission and reception	RAN #11	

25.141		Base station conformance testing (FDD)	RAN #11	
34.121		Terminal Conformance Specification, Radio Transmission and Reception	T #11	

11 Work item raporteurs

Howard Benn (howard.benn@motorola.com)

12 Work item leadership

TSG-RAN WG4

13 Supporting Companies

TSG-RAN

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

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

14c The WI is a Work Task: parent Building Block

Radio Interface Improvement Feature