

TSG-RAN Meeting #8
Düsseldorf, Germany, 21 - 23 June 2000

RP-000293

Agenda Item: 6

Source: CWTS

To: TSG-RAN #8

Title: Work Item Description "Low chip rate TDD layer 2 and layer 3 protocol aspects"

Document for: Approval

Work Item Description

Title

Low chip rate TDD layer 2 and layer 3 protocol aspects

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

Low Chip Rate TDD physical layer

Low chip rate TDD UTRAN architecture aspects

Smart Antenna

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

Low chip rate TDD UE capabilities

3 Justification

The integration of TDD low chip rate option in Release 2000 is discussed and approved in RAN#6. The work plan of the integration of low chip rate TDD in R00 was discussed in RAN#7. As a feature, the low chip rate TDD is sub-divided into several building blocks via the email discussion. This paper is to describe one of the low chip rate TDD building blocks – layer 2 and layer 3 protocol aspects.

4 Objective

The technical objective of this work item is complete the low chiprate TDD L2/L3 functionality adaptation in UTRA TDD. And this work will affect the specifications for working group on L2/L3.

- For layer 2 and layer 3 protocol aspects, it includes the following work tasks:
 - UE procedures in idle mode
 - Interlayer procedures in connected mode
 - Control plane protocol aspects
 - User plane protocol aspects
 - Baton Handover and mobility aspects

Task	Planned Start	Planned Finish
Prepare technical inputs	04/2000	06/2000
Drafting, change request and possible new specs	06/2000	09/2000
Possible corrections	09/2000	12/2000

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
25.301		Radio interface protocol architecture			RAN#9	
25.302		Service provided by the physical Layer			RAN#9	
25.303		UE functions and Inter-layer procedures in connected mode			RAN#9	
25.304		UE procedures in idle mode and procedures for cell reselection in connected mode			RAN#9	
25.305		Stage 2 functional specification of location service in UTRAN (LCS)			RAN#9	
25.321		Medium access control (MAC) protocol specification			RAN#9	
25.322		Radio link control(RLC) protocol specification			RAN#9	
25.331		Radio resource control (RRC) protocol specification			RAN#9	
25.324		Radio Interface for Broadcast/Multicast Services			RAN#9	
25.925		Radio Interface for Broadcast/Multicast Services			RAN#9	
25.922		Radio Resource Management Strategies			RAN#9	

11 Work item raporteurs

Mr. Yanhui LIU (CATT/CWTS)

12 Work item leadership

RAN WG2

13 Supporting Companies

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)

The building blocks should be discussed and approved via email discussion

14b The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

low chip rate TDD

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

(one Work Item identified as a building block)