Work Item Description

Title: UMTS in 2300 MHz bands (FDD/TDD)

Is this Work Item a "Study Item"? (Yes / No): .... No

1   3GPP Work Area

X	Radio Access
	Core Network
	Services

2   Linked work items

None.

3   Justification

This work item is intended to update the UMTS specifications to include support for the 2300 MHz bands in the US (ITU Region 2).

4   Objective

4.1 The purpose of this work item is to generate necessary information and CR's concerning the 2300 MHz band (WCS band) for potential deployment in ITU Region 2 as detailed below.

The 2300 MHz band (WCS band) includes the following spectrum blocks:

A Block: 2305 MHz - 2310 MHz (TDD; FDD UE transmit + Node B receive)
                       2350 MHz - 2355 MHz (TDD; FDD Node B transmit + UE receive)

B Block: 2310 MHz - 2315 MHz (TDD; FDD UE transmit + Node B receive)
                       2355 MHz - 2360 MHz (TDD; FDD Node B transmit + UE receive)

C Block: 2315 - 2320 MHz (TDD; FDD UE transmit + Node B receive)

D Block: 2345 - 2350 MHz (TDD; FDD Node B transmit + UE receive)

4.2   Generate CR's to update the appropriate documents.
4.3   TSG RAN WG2 - study any issues related to UMTS as described in 4.1 above.
4.4   TSG RAN WG3 - study any possible interface impacts to UMTS networks.
4.5   Any additional related issues.

5   Service Aspects

None/Text

6   MMI-Aspects

None/Text

7   Charging Aspects

None/Text

8   Security Aspects

None/Text

9   Impacts

Affects:	UICC apps	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 [If Study Item, one TR is anticipated]						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
		RAN4		37 Sept. 07	38 Dec. 07	
Affected existing specifications [None in the case of Study Items]						
Spec No.	CR	Subject		Approved at plenary#		Comments
25.101		UE Radio transmission and reception (FDD)		RAN#38 (December 2007)		
25.104		UTRA (BS) FDD; Radio transmission and reception		RAN#38 (December 2007)		
25.113		Base Station Electromagnetic compatibility		RAN#38 (December 2007)		
25.133		Requirements for Support of Radio Resource Management (FDD)		RAN#38 (December 2007)		
25.141		Base station conformance testing (FDD)		RAN#38 (December 2007)		
25.331		RRC Protocol		RAN#38 (December 2007)		
25.942		RF System Scenarios		RAN#23 (March 2004)		
25.306		Radio UE capability		RAN#38 (December 2007)		
25.307		Requirements on UEs supporting a Release Independent Frequency Band		RAN#38 (December 2007)		
34.121		Terminal Conformance Specification, Radio Transmission and Reception		RAN#38 (December 2007)		
25.102		UE Radio transmission and reception (TDD)		RAN#30 (December 2007)		
25.105		UTRA (BS) TDD; Radio transmission and reception		RAN#30 (December 2007)		
25.123		Requirements for Support of Radio Resource Management (TDD)		RAN#30 (December 2007)		
25.142		Base station conformance testing (TDD)		RAN#30 (December 2007)		
34.122		Terminal Conformance Specification, Radio Transmission and Reception (TDD)		T# 30 (December 2007)		

11   Work item rapporteur(s)

Marc Grant, Cingular Wireless / AT&T

12   **Work item leadership**

RAN4

13   **Supporting Companies**

Cingular Wireless / AT&T, Alcatel-Lucent

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

	Study Item (no further information required)
	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

(one Work Item identified as a feature)

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

(one Work Item identified as a building block)