

TSG-RAN meeting #9  
Oahu, HI, USA, 20-22 September 2000

RP-000448

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**Agenda Item:** 6.9  
**Source:** Motorola  
**Title:** WI sheet for UMTS 1800  
**Document for:** Approval

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A decision was made at WARC 00 to extend the IMT 2000 frequency allocation to include the current 2G cellular bands. In some parts of the world the 1800 MHz spectrum has already been allocated as technology independent. Motorola therefore request that 3GPP adds the 1800 band to their specifications.

Fortunately both the signalling and bandplan have been designed to be easily extendable to additional frequency allocations. The modifications to the current specifications will be very similar to the addition of the US PCS band in release 99, this only affected a few of the RAN WG4 specifications.

In a similar manner to the addition of the US PCS band we propose to start the work by only adding the 1800 band for Australia.

Taking these factors into account we believe that the necessary CRs to the release 00 version of the specifications could be generated and approved at RAN WG4 before RAN #10. We therefore propose to include this in release 4 (release 00). 3GPP RAN is requested to approve the following work item description sheet.

## 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

The following time schedule is considered for TSG RAN:

<b>Task</b>	<b>Planned Start</b>	<b>Planned Finish</b>
Work Item Creation	9/2000	9/2000
Work Item Approval		9/2000
Drafting and discussion, updates of specifications	9/2000	12/2000
Submission of RAN WG4 specifications to TSG RAN for approval		12/2000
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
<b>Yes</b>		X	X		
<b>No</b>	X			X	X
<b>Don't know</b>					

**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 #10		
25.104		UTRA (BS) FDD; Radio transmission and reception		RAN #10		
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**

Motorola, Hutchison Europe, Alcatel, Siemens

**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

Technical Enhancements