

**Agenda Item:** 6.11  
**Source:** CWTS/CATT  
**To:** TSG RAN  
**Title:** Proposed WI description for 'UE positioning enhancements for 1.28 Mcps TDD'  
**Document for:** Approval

**Work Item Description**

**1. Title**

UE positioning enhancements for 1.28 Mcps TDD

**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 are refinement and adoption of methods that are defined for release 5.

**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 resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
25.xxx	UE positioning enhancements for 1.28 Mcps TDD	WG2		<b>RAN # 13</b>	<b>RAN # 14</b>	<b>TR to be created</b>
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
25.305		Stage 2 Functional Specification of Location Services in UTRAN		RAN # 14		
25.123		Requirements for Support of Radio Resource Management (TDD)		RAN # 14		
25.224		Physical Layer Procedures (TDD)		RAN # 14		
25.225		Physical layer – Measurements (TDD)		RAN # 14		
25.302		Services provided by the physical layer		RAN # 14		
25.303		Interlayer procedures in connected mode		RAN # 14		
25.304		UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode		RAN # 14		
25.331		RRC Protocol Specification		RAN # 14		
25.420		UTRAN Iur Interface: General Aspects and Principles		RAN # 14		
25.423		UTRAN Iur Interface RNSAP Signalling		RAN # 14		
25.430		UTRAN Iub Interface: General Aspects and Principles		RAN # 14		
25.433		UTRAN Iub Interface NBAP Signalling		RAN # 14		

**11 Work item rapporteur**

Ms. Xiaohua MEI (CWTS/CATT)

**12 Work item leadership**

TSG-RAN WG2

**13 Supporting Companies**

CATT, China Mobile, Huawei, Motorola, Nortel Networks, Samsung, Siemens

**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