3GPP TSG-RAN #25 Meeting **RP-040347**
Palm Springs, USA
7-9 September 2004

Work Item Description

Title

Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

UE Positioning

3 Justification

The Uplink TDOA (U-TDOA) location method has been standardized in the GSM circuit switched environment and standardization in the GSM packet switched environment (GPRS) is proceeding. Some carriers have expressed an interest in using the U-TDOA location technology for UMTS. The U-TDOA standardization process should begin in order to facilitate a seamless upgrade path to UMTS networks.

4 Objective

The objective of this work item is to include Uplink TDOA as a positioning methodology within the UTRA FDD specifications.

The implementation will be a Stand-Alone SMLC (SAS) based overlay network that interfaces to the UTRAN on the Iupc interface as described in the attached presentation.

This study item is intended to complement already standardized location methods and existing location work items.

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					X

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
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments
25.305		Stage 2 Functional Specification of UE Positioning in UTRAN			RAN #28	
25.453		UTRAN Iupc Interface: PCAP Signaling			RAN #30	
25.1XX		LMU Performance Specification			RAN #32	
-		Other specifications as required				

11 Work item raporteurs

Mr. Rhys Robinson, TruePosition, Inc.
Mr. Robert Gross, TruePosition, Inc.

12 Work item leadership

TSG-RAN WG2

13 Supporting Companies

Cingular Wireless, T-Mobile USA, TruePosition, Andrew Corporation, SBC Communications

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

none

14b The WI is a Building Block: parent Feature

UE Positioning

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

none