Source:	**Qualcomm Europe**
Title:	**Work Item Description for an Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning**
Document for:	**Approval**
Agenda Item:	**6.9.2**

Work Item Description

Title: **Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning**

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

None identified.

3 Justification

At the 3GPP LCS Work Shop held in London on 1/11/01and 1/12/01 it was agreed that for A-GPS positioning, sufficient functional separation existed with RNC functions to justify the opening the interface towards a standalone SMLC.

4 Objective

The objective of this work item is to provide for support of an open interface between the SMLC and the SRNC within the UTRAN for the support of A-GPS positioning. This new interface would be analogous to the Lb interface defined in the GSM LCS specifications with the exceptions that the positioning messages are terminated at the SRNC and mapped to release 99 RRC messages and that the positioning messages also support broadcast of LCS assistance data in support of the RRC broadcast messages.

The addition of the interface should be compatible the release 99 Iu, Iur and Iub and radio interfaces. The addition of this interface does not preclude the A-GPS to be supported in the SRNC.

5 Service Aspects

None identified.

6 MMI-Aspects

None identified.

7 Charging Aspects

None identified.

8 Security Aspects

None identified.

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes			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
3GPP TS 25.4XY	Positioning Calculation Application Part (PCAP)	RAN 2	RAN 3	RAN #12	RAN #12	
3GPP TS 25.4XX	UTRAN I$_{upc}$ Interface: Signalling Transport	RAN 2	RAN 3	RAN #12	RAN #12	
3GPP TS 25.4XW	UTRAN I$_{upc}$ Interface: Layer 1	RAN 2	RAN 3	RAN #12	RAN #12	
3GPP TS 25.4XV	UTRAN I$_{upc}$ Interface: General Aspects and Principles	RAN 2	RAN 3	RAN #12	RAN #12	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
25.401		UTRAN architecture description; Stage 2		RAN #12		Add new Iupc interface and new stand alone A-GPS SMLC network entity.
25.305		UTRAN Stage 2		RAN #11		Modify Network Reference Model to show stand alone A-GPS SMLC and add stage 2 call flows for A-GPS positioning.

11 Work item raporteurs

Kirk Burroughs, Qualcomm, San Jose, California, USA

12 Work item leadership

RAN 2

13 Supporting Companies

Qualcomm, SBC, Cingular Wireless, Samsung Electronics Research Institute, Hutchison 3G, NEC, Orange PCS, and Vodafone Group

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

xxx1 Provision of SRNC - SMLC Open Interface

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