Title: **Revision of WID "Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods"**

Source: **Nokia**

Document for: **Approval**

Agenda Item: **9.4.4**

Attached contribution contains the revised WID based on TSG RAN#13 discussions.

56. Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods

Last distributed as: RP-010210

Work Item Description

Title: **Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods**

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

None identified.

3 Justification

In 3GPP standalone SMLC has been specified for A-GPS method and it is needed to consider also other Rel'4 positioning methods .

4 Objective

The objective of this work item is to extend the Iupc interface for the support of all Rel'4 positioning methods positioning, i.e. Cell ID based, OTDOA based and A-GPS

It shall be transparent for the UE whether standalone SMLC is used or not.

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)

This is a Release 5 Work Item

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
New TR	SRNC – SMLC Location Protocol Architecture and Protocol Aspects	RAN 2	RAN 3	RAN #14	RAN #15	See Note 1.

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
25.401		UTRAN architecture description; Stage 2	RAN #15	Extend current Iu-pc interface as defined in 25.305
25.305		UTRAN Stage 2	RAN #15	Modify Network Reference Model, to allow for Cell ID based, OTDOA and A-GPS positioning methods.

Note 1 : the TR should identify the architectural alternatives with their pros and cons from the SMLC/SRNC functional split point of view

The SMLC principle will be such that the SRNC can query the standalone SMLC for the position of the UE.

11 Work item raporteurs

Antti Toskala, Nokia, Finland

12 Work item leadership

RAN 2

13 Supporting Companies

Hutchison3g, Nokia, Siemens, Vodafone Group
14 Classification of the WI (if known)

	Feature (go to 14a)
	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