

Work Item Description

Title: Location Services enhancements 2, System and Core Network aspects (LCS2)

This Work Item covers the enhancements of location services in 3GPP from the system and core network viewpoints.

1 3GPP Work Area

	Radio Access
x	Core Network
	Services

2 Linked work items

The 3GPP Generic User Profile (GUP)
Specification for the Le Interface (SP-010180)
Support of the Presence Service Architecture (PRESNC)
Security aspects of enhanced support for user privacy in location services (SA3)
GMLC - GMLC interface (SA2)
Location services enhancements (pending in SA1)

3 Justification

This Work Item is needed in order to align between LCS specifications of 3GPP and other forums and to enhance the network support for user privacy in location services. Also the relationship between privacy functions in LCS and Presence and new types of triggered and periodic location reports are covered.

4 Objectives

The purpose of this work is to handle the following issues:

4.1 Standardization of the Le interface, alignment of LCS specifications

The task is to improve the Le interface section in TS23.271. The task is also to have alignment between LCS specifications belonging to other forums and the 3GPP LCS specifications and to liaise with the corresponding forums.

4.2 Enhanced network support for user privacy and subscriber data handling

The task is to make the network support for enhanced user privacy more flexible, e.g. to allow different settings depending on location or time of day, etc, if such requirements are defined by SA1.

4.3 Relationship between Location Services and Presence service

The task is to study and define the inter-working between location and presence services.

4.4 New events for triggered location reports

The task is to develop network support to generate location reports for new trigger events, if such are defined in SA1.

5 Service Aspects

See the SA1 WID *Location services enhancements*.

6 MMI-Aspects

7 Charging Aspects

8 Security Aspects

See the SA3 WID *Security aspects of enhanced support for user privacy in location services*.

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		x		x	
No					
Don't know	x		x		

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Specification No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Specification No.	CR	Subject	Approved at plenary#		Comments	
23.002		Network Architecture	SA#18			
23.271		Functional stage 2 description of LCS	SA#18			

11 Work item rapporteurs

Jan Kall, Nokia

12 Work item leadership

TSG SA WG 2.

13 Supporting Companies

Nokia, Elisa Communications, Siemens, Ericsson, Vodafone, NTT DoCoMo, NEC, Lucent, TeleCommunication Systems, [Signalsoft]

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)