

**Source:** SA1  
**Title:** WI for Location services enhancements (Release 6)  
**Document for:** Approval  
**Agenda Item:** 7.1.3

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**TSG-SA WG 1 SWG LCS meeting  
Sophia-Antipolis, France, 11 April 2002**

**S1-020862**

**Title: Proposed Rel-6 Work Item Description: Location services  
enhancements**

**Source: Nokia, MM02, Ericsson, Siemens, Qualcomm**

**For: Decision**

This contribution contains a proposed WID 'Service enhancements of Location Services'. This Work Item is proposed in accordance with the discussions on location services in SA plenary in March 2002.

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## Work Item Description

### **Title: Location Services enhancements**

This Work Item describes the service enhancements of location services.

#### **1 3GPP Work Area**

	Radio Access
	Core Network
x	Services

#### **2 Linked work item**

*Support of Location Services, System and Core Network aspect (SA2)*  
*Security aspects of enhanced support for user privacy in location services (SA3)*  
*Location services Location Services for GERAN in A/Gb Mode (UID 2436)*  
*LCS for GERAN in Iu Mode (UID 2442)*  
*The 3GPP Generic User Profile*  
*Specification for the Le Interface (SP-010180)*  
*Support of the Presence Service Architecture (S2-012405)*  
*GMLC - GMLC interface (SA2)*

#### **3 Justification**

This Work Item is needed in order to enhance the service aspects of location services. Also the relationships between privacy functions in LCS, Presence and other services are covered.

#### **4 Objective**

The service description stage 1 specification 22.071 shall be common for all Access Networks.

The enhanced service features of location services to be developed or studied are:

*- Enhanced support for user privacy*

The support for user privacy should be further enhanced and made more flexible, e.g. to allow different settings depending on location or time of day, day of week. It shall be possible for the user to set or change the location related privacy parameters. The security aspects of the enhanced support for user privacy should be studied in cooperation with SA3 and the corresponding service requirements developed for TS 22.071.

*- Relationship between Location Services and Presence service*

The service aspects of the enhanced privacy functions of location information in Location and Presence services should be studied.

*- New events for triggered location reports*

It should be investigated, whether there should be new events defined to trigger location reports.

**5 Service Aspects**

Enhanced flexibility for the target mobile user to define privacy rules how the network is allowed to handle location information regarding the target mobile.

**6 MMI-Aspects**

**7 Charging Aspects**

**8 Security Aspects**

The security aspects of enhanced support for user privacy in location service are studied in SA3.

**9 Impacts**

<b>Affects:</b>	<b>USIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>Yes</b>		x		x	
<b>No</b>	x		x		
<b>Don't know</b>					

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

<b>New specifications</b>						
Specification No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
<b>Affected existing specifications</b>						
Specification No.	CR	Subject		Approved at plenary#		Comments
22.071		Location Services (LCS); Service description, Stage 1		SA#17		

**11 Work item rapporteurs**

**D Williams. Tel +33661268369. Email dwilliams@qualcomm.com**

**12 Work item leadership**

TSG SA WG 1

**13 Supporting Companies**

Nokia, Mmo2, Ericsson, Siemens, Qualcomm.

**14 Classification of the WI (if known)**

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