

Source: SA1
Title: Updated LCS enhancements WID to include Galileo
Document for: Approval
Agenda Item: 7.1.3

Title: Proposed revised 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.

The work item is revised to expand A-GPS to include GALILEO.

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)
Introduction of GALILEO in LCS (S1-021793)

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.

- Expand A-GPS to include GALILEO, possibly using terminology A-GNSS (Assisted Global Navigational Satellite System).

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.

No new service aspects are yet identified although some may be proposed.

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

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

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	
22.071		Location Services (LCS); Service description, Stage 1	SA#17			

11 Work item rapporteurs

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12 Work item leadership

TSG SA WG 1

13 Supporting Companies

Nokia, Mmo2, Ericsson, Siemens, Qualcomm.

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Classification of the WI (if known)

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