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Positioning Enablers
OMA – OMTP   Workshop
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OMTP Positioning Enablers

Agenda

- Definition of Scope
- Activity
- Interaction with OMA

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This task, inside the OMTP HW Group, aims to define requirements to enable location based services on the mobile terminal in terms of platform and interfaces. It will address different **positioning techniques** (wireless network based, satellite based and hybrid) as well as **standard interfaces** like OMA SUPL and APIs towards application level

Addressed topics:
- Hardware
- Standard architecture and protocols
- Application APIs
- Configuration
- Performance
- Privacy and Security

Expected delivery: September 2007

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Define requirements to enable services based on location addressing:
- Characteristics of the hw enablers: position technology support
- Characteristics and de-optionalization of protocols
- APIs to expose positioning capabilities to the application level
- Performance: sensitivity, delay
- Configuration options
- Security & Privacy

Some use case supporting requirements definition:
- Entertainment
- Location-enhanced imaging
- Workforce-tracking/management
- Navigation and directions

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Interaction with OMA

LOCATION Working Group:

• OMTP Positioning Task will address OMA SUPL (Secure User Plane Location) specification as the standard reference: SUPL employs User Plane data bearers for transferring location information, (e.g. GPS assistance, position), and for carrying positioning technology-related protocols between a SET (SUPL Enabled Terminal(s)) and the network.
• SUPL is considered to be an effective way of transferring location information required for computing the SET's location

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Backup, uses Cases

• Maps use case Mapping, navigation, and directions applications are the obvious targets for LBS
• directory services
• Workforce-tracking and management applications may end up being the most lucrative applications because they will help enterprises optimize utilization of their people
•Entertainment and gaming applications can create interactive gaming experiences and services that complement sporting events, concerts, and more.
• "Finder" applications can apply users' locations to helping them locate anything closest (e.g. friends).
• Location-enhanced imaging applications can label captured multimedia with information about the location where the user recorded the file.
• Weather applications can provide local forecasts and warnings about inclement weather.
• Location-based reminder applications can prompt users when they reach particular locations, displaying, for example, a shopping list when a user gets close to a certain store

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