



## Openwave® Location Manager Emergency Edition (LMEE)

### Delivers Proven Emergency Location Services for Every Public Safety Need

In emergency services, planning and reliability are the foundation for rapid response. A proven, real-life solution, Openwave Location Manager Emergency Edition (LMEE) extends a provider's ability to rapidly and reliably deploy and manage location-based emergency services.

LMEE utilizes location-based technology to locate an emergency caller in distress. LMEE provides:

- Ability to route the call and provide the location of the caller to the appropriate call center
- Caller location aggregation – the best location is always provided
- Interfaces between public safety and the cellular network
- 99.999% availability
- Maximum architectural flexibility – works with GSM, WCDMA, CDMA, and Mobile IMS or WiMAX networks

#### Features

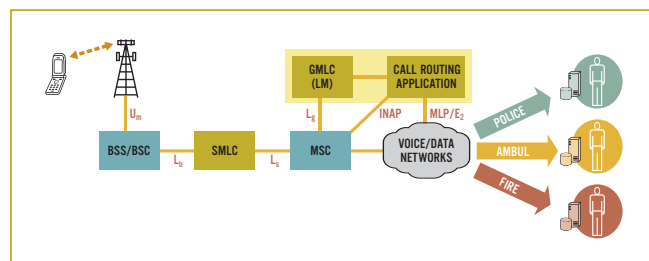
Openwave LMEE fits in any operator's network regardless of network type, switch architecture, platforms and location technologies. Additionally, the solution is designed to ensure streamlined provisioning of Public Safety Answering Points (PSAPs) and to enable customization of PSAP interfaces. Openwave's solution also supports US Phase I and II E911 and EU E112 mandates that require emergency service adoption. Openwave's Location Manager is currently deployed nationally in both CDMA and GSM markets and in Japan in a WCDMA network operating at 99.999% reliability.

The LMEE offering includes robust interface support and a feature-rich product offering consisting of the

emergency call routing application which includes and leverages Openwave Location Manager – a Gateway Mobile Location Center (GMLC) / Mobile Positioning Center (MPC). Voice Over IP Positioning Center (VPC) and Location Routing Function (LRF) offerings are also available starting in mid year 2008.

#### For GSM, Openwave LMEE provides:

- One GMLC that supports Ericsson, Nokia, Siemens and Nortel MSCs.
- INAP and Lg interfaces to the SS7 network are supported to provide call routing and location determination flexibility
- Valuable customizations made for GSM emergency call handling beyond “off the shelf” implementations
- The ability to run in a stateless or stateful deployment
- Future path to simultaneously support GSM GMLC together with WiMAX and LTE networks



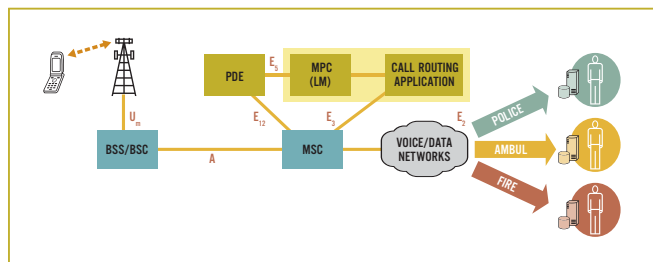
Openwave Location Manager Emergency Edition GSM Architecture

#### For CDMA, Openwave LMEE provides:

- E3 ANSI-41 interface to the MSC for Lucent, Nortel, Motorola, Ericsson MSCs
- Support of the E5 interface to the PDE
- Like the GMLC, many PSAP features built in over 10 years of operation

## Openwave Location Manager Emergency Edition

- Support of AGPS or UTDOA / TDOA location technologies
- Full integration of LRF / VPC with the CDMA MPC by mid 2008



Openwave Location Manager Emergency Edition CDMA Architecture

### Subscriber Benefits

- Openwave LMEE delivers the ultimate subscriber benefit – rapid location determination and routing of the caller to a response center to provide and dispatch potentially life-saving information and personnel
- Experience where it counts – software that does what you need it to do

### Operator Value

#### LMEE offers service providers:

Operational excellence with its high availability, reliability, performance, and flexibility

- Customer satisfaction in meeting requirements mandated for public safety and demanded by public safety
- Consistent services delivered through a single system
- Lower total cost of ownership (TCO), lower management time and greater resource control with Openwave's proven solution, 24x7 support and deployment models
- Robust, carrier-grade platform extensible for supporting future wireless technologies

Today, LMEE systems process approximately 40,000 to 70,000 emergency calls per day for a large carrier of more than 30M subscribers and between 15,000 to 40,000 emergency calls per day for a medium carrier of between 5 and 10M subscribers and can be scaled to support more than 1M calls per day.

Openwave offers a proven delivery history and proven 24x7 customer support and can provide either a licensed or managed services deployment model.

### About Openwave Location-Based Services

For over a decade, Openwave has been developing, delivering, deploying, and supporting carrier grade emergency services and commercial services location-based services solutions for operators throughout the world. Openwave has led the location industry with a number of firsts:

- The first location gateway to the marketplace (in 1996)
- The first mobile emergency services solution deployed in the United States (in 1997)
- First ANSI-41 A-GPS E911 call (in 2001)
- The first commercial services solution in Europe (in 1998)
- The first friend finder application deployed (in 2001)
- The first E911 Phase II emergency services deployment in the United States (in 2001)
- The first emergency system to be used with SUPL in the world (in 2007)
- The most successful commercial services deployment

Openwave actively collaborates with leading carriers and ecosystem partners worldwide for bringing location-based services to next generation wireless networks.

For more information about Openwave LMEE, please contact [lmee@openwave.com](mailto:lmee@openwave.com) or visit [www.openwave.com/lmee](http://www.openwave.com/lmee).



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### About Openwave

Openwave Systems Inc. (Nasdaq: OPWV) is one of the world's leading innovators of software applications and infrastructure designed to enable revenue-generating, personalized services, including mobile analytics, content adaptation, mobile and broadband advertising, and a suite of unified messaging solutions.

As the communications industry intersects with the Internet, Openwave software enables service providers to converge services, in an effort to increase the value of their networks by accelerating time to market and reducing the cost and complexity associated with new service deployment. Openwave's unique product portfolio provides a complete range of mobile internet service management, messaging, and location based solutions. Openwave is a global company with a blue chip customer base spanning North America, Latin America, Australia and New Zealand, Asia, Africa, Europe, and the Middle East. Openwave is headquartered in Redwood City, California. For more information please visit [www.openwave.com](http://www.openwave.com).

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