

## TRUEPOSITION® LOCINT™



### The capabilities of TruePosition LOCINT:

- Historical archiving of all mobile phone location information and calling activity for an extended period
- Data mining, profiling, and analysis of location information and calling activities, via a user-friendly, map-based, graphical interface, to gather intelligence on mobile phone users based on criteria such as users' movement and calling activity
- Automatic notifications based on preset criteria, such as when specific mobiles enter or leave an area or exhibit specific communications patterns
- Track the location of multiple mobile phones in real time with high accuracy when used in conjunction with the TruePosition Location Platform

Wireless technology has revolutionized electronic communication — creating a level of convenience and connectivity never seen before. Unfortunately, this revolution also has a dark side, as terrorists and criminals have used wireless technology to coordinate activities or detonate improvised explosive devices (IEDs). This has created serious new risks to the security of citizens worldwide.

Fortunately, there are now ways to counter these threats. By combining sophisticated location determination and network data mining technologies, TruePosition is giving government agencies, security experts, and law enforcement offices a powerful, layered defense against criminal and terrorist activity.

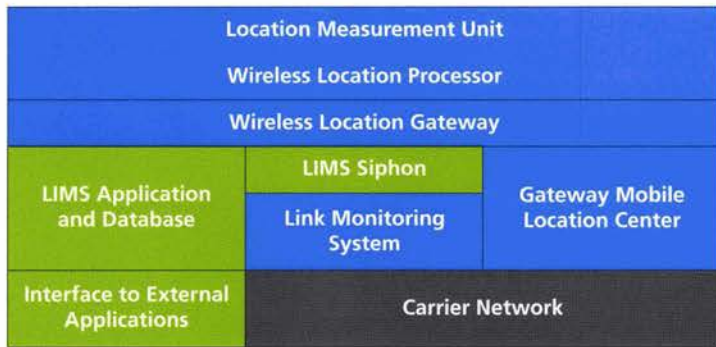
Only TruePosition has the proven mobile phone location infrastructure and sophisticated data mining capabilities needed to offer a new class of carrier-grade security solutions. Security solutions that capture and analyze a huge array of mobile data, including current activities, mobile events, and interactions. Security solutions that can identify and track any mobile phone or device in real time, in any environment, and with high accuracy and reliability.

TruePosition security solutions can be applied as a multi-layered defense in areas such as:

- **Border Security:** virtual electronic fences can be used to increase border patrol efficiency, reduce illegal traffic, and support and enforce immigration policies
- **Critical Infrastructure Protection:** detecting intrusion and augmenting perimeter surveillance to reduce the risk associated with protecting key infrastructure, such as water treatment plants or chemical and nuclear facilities, and protect employees
- **Law Enforcement:** forensic intelligence to identify criminals and their associates, and preempt criminal activities

TruePosition LOCINT consists of the TruePosition® Location Intelligence Management System™ (LIMS™) in conjunction with the TruePosition® Location Platform™ (TPLP™), which is a turnkey solution for tracking and analyzing the location information and calling activities of mobile phone users.





- = TruePosition Location Platform
- = TruePosition Location Intelligence Management System
- = Carrier

TruePosition LOCINT is made up of the key components shown in the figure above and is described in points one and two.

1. The TruePosition Location Platform is used to provide the real-time, high-accuracy location of target mobile subscribers, and is comprised of the following:

- Location Measurement Unit (LMU)
- Wireless Location Platform (WLP)
- Wireless Location Gateway (WLG)
- Link Monitoring System (LMS)
- Gateway Mobile Location Center (GMLC)

2. The TruePosition Location Intelligence Management System collects, stores, and displays real-time and historical wireless events and the location of target mobile users, and is comprised of the following:

- Siphon
- Application
- Database
- Interface to External Applications

TruePosition LOCINT is implemented as a passive overlay within a wireless mobile network operator's existing communications network. Using non-intrusive interfaces with the signaling links, the system extracts location information for all mobile phones of the monitored network.

Location information is processed for both real-time surveillance and historical analysis. These locations allow customers to first query and analyze historical data to select mobile phones of interest.

Customers can then select a group of mobiles and determine their precise locations utilizing the U-TDOA location technique and continuously track their movements. Real-time tracking of all mobile phones of interest is also used to alert operators when mobile phones users' location data match certain predetermined conditions (presence in a specific area, timeframe, etc.).

TruePosition LOCINT offers high-performance location intelligence — which can be used by law enforcement agencies, security officials, and government agencies such as Customs and Border Patrol, Department of Homeland Security, Ministries of the Interior, and Ministries of Defense — to enable the following:

- Historical archiving of all mobile phone location information and calling activity for an extended period
- Data mining, profiling, and analysis of location information and calling activities, via a user-friendly, map-based, graphical interface, to gather intelligence on mobile phone users based on criteria such as users' movement and calling activity
- Automatic notifications based on preset criteria, such as when specific mobiles enter or leave an area or exhibit specific communications patterns
- Track the location of multiple mobiles phones in real time with high accuracy when used in conjunction with the TruePosition Location Platform

#### Key Features of TruePosition LOCINT:

- Locates mobile phones of interest in real time with high accuracy — including idle phones (mobile phones not making a call or sending a message)
- Builds invisible electronic virtual fences of any size called "geofences"
- Develops authorized and barred lists of mobile phones
- Archives location information for all phones in the network, allowing security officials to search and analyze the archived data for suspicious behavior patterns
- Transparent to the mobile user and network
- Scales from small to large networks
- Offers the flexibility to create multiple levels of access and control
- Supports multiple mobile network operators

## TRUEPOSITION. PIONEERING LOCATION SOLUTIONS FOR A SAFER WORLD.

TruePosition is the leading provider of location determination and intelligence solutions for the safety and national security markets worldwide. TruePosition offers a portfolio of industry-leading location technologies, future-proof platform products, innovative applications, and comprehensive networking and systems services to enable the creation of carrier-grade location solutions for private enterprise and government agencies to protect citizens, combat crime, and save lives.

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