



Summer 2006 Technology Fair Summary

On Thursday, July 13, 2006 the Congressional E9-1-1 Caucus and Congressional Internet Caucus, in conjunction with the Internet Caucus Advisory Committee and the E9-1-1 Institute, co-hosted the Summer 2006 Technology Fair on Capitol Hill to display the latest in emergency communications technology. The purpose of the Technology Fair is to showcase the technological advances that are changing emergency communications.

This was the first event co-hosted by these technology-oriented organizations. The E9-1-1 Institute not only wants to thank the Internet Caucus Advisory Committee for their work on the event but also for the participants their organization brought to the event.

E9-1-1 Institute Executive Director Gregory L. Rohde said, *“Both the E9-1-1 Caucus and the Congressional Internet Caucus recognize that technology is revolutionizing emergency response. With the arrival of VoIP (Voice over Internet Protocol) and the emergence of Next Generation 9-1-1, our organizations share common interests.”*

The Technology Fair drew 13 sponsors and participants and over 225 attendees. A special thank you to our sponsors and participants.



**Andrew Corporation, Citizen Corps, COMCARE,
Intrado, Internet Caucus Advisory Committee,
Level 3 Communications,
National Emergency Number Association
(NENA), OnStar, Regional Alliances for
Infrastructure and Network Securities (RAINS),
Rosum Corporation,
TCS, True Position and Vonage**



I. ANDREW CORPORATION:

Geometrix® Mobile Location Center is designed, manufactured, marketed and supported by Andrew Corporation, the largest integrated provider of wireless infrastructure products and services anywhere in the world. For truly effective caller location emergency response support, Geometrix MLC consistently provides unsurpassed performance and reliability. That's why mobile operators have made it the first choice location system for public safety. Effective emergency response means being able to accurately and quickly determine an emergency caller's location under any circumstances. While the performance of other location systems can degrade when callers are in vehicles or buildings, Geometrix MLC continues to provide rapid, accurate locations. Because Geometrix MLC is network-based and works with all handsets, all customers and roamers gain an additional margin of safety when Geometrix is deployed in a service area. Wireless operators recognize the Andrew difference and have made Andrew's Geometrix MLC the number one caller location choice for public safety applications.

Andrew Corporation demonstrated a sample/screen shot of the E911 traffic in New York City on Wednesday Morning (between 8:30 a.m. – 9:30 a.m.), July 12, 2006. These E911 callers were located using our Geometrix U-TDOA technology. We also have a rolling PowerPoint presentation on our Geometrix E911 Network Solution Capabilities and history/experience.

II. CITIZEN CORPS:

The mission of Citizen Corps is to harness the power of every individual through education, training, and volunteer service to make communities safer, stronger, and better prepared to respond to the threats of terrorism, crime, public health issues, and disasters of all kinds. The Citizen Corps mission is accomplished through a national network of state, tribal, and local Citizen Corps Councils, which bring together the expertise of leaders from the emergency responder disciplines with the energy and spirit of volunteers, the private sector, elected officials, and other community stakeholders.

Coordinated nationally by the Department of Homeland Security (DHS), Citizen Corps integrates programs and activities that engage everyone in hometown security. Led by local Citizen Corps Councils, Citizen Corps implementation is tailored to the community and focuses on community-specific public education, outreach, training, and volunteer opportunities. Citizen Corps Programs include five federal Program Partners, Citizen Corps Affiliate Programs and Organizations, and other organizations and activities that promote the mission of citizen preparedness and participation. Citizen Corps Program Partners are Community Emergency Response Teams (CERT), Volunteers in Police Service (VIPS), USAon Watch/Neighborhood Watch, Medical Reserve Corps, and Fire Corps.

III. COMCARE:

COMCARE, a nonprofit with over 100 member organizations focused on improving emergency response, will be showcasing data interoperability at the E 9-1-1 Tech Fair. COMCARE will have representatives from member organizations stopping by the booth throughout the day. Those coming to the technology fair will have the opportunity to learn about COMCARE, our projects and speak to our staff and members. Data messaging will be highlighted with presentations about the Emergency Provider Access Directory (EPAD), which is supported by the National Emergency Alerting and Response Systems (NEARS) initiative. In addition, COMCARE will be asking attendees and their organizations to endorse two letters which will be sent to Congress, DHS, DHHS, and DOJ advocating a broader definition of interoperability, including both radio and data interoperability.

IV: E9-1-1 INSTITUTE:

The E9-1-1 Institute is a not-for-profit organization which supports the Congressional E9-1-1 Caucus and assists the Caucus in promoting public education on E9-1-1 and emergency communications issues. The Institute provides informational and administrative support to members of the Congressional Caucus as they pursue their mission of improving 9-1-1 emergency communications. For more information about the E9-1-1 Institute and the Congressional E9-1-1 Caucus, please visit our website at www.e911institute.org.

V: CONGRESSIONAL INTERNET CAUCUS:

The Congressional Internet Caucus is a bi-partisan group of members of the House and Senate working to educate their colleagues about the promise and potential of the Internet. The Advisory Committee to the Congressional Internet Caucus is a diverse group of public interest, non-profit and industry groups working to educate Congress and the public about important Internet-related policy issues. With participation from Members of the Caucus and logistical support from the Internet Education Foundation, the Advisory Committee hosts regular forums to discuss important Internet-related policy issues. Additional information, including an updated membership list, is available at www.netcaucus.org

VI. INTRADO:

For over a quarter of a century, telecommunications providers, public safety organizations and government agencies have relied on Intrado Inc. for their communications needs. Intrado provides the core of the nation's 9-1-1 network and innovative emergency communications services and mobility solutions that transform communications and help save lives. The company's unparalleled industry knowledge and experience reduce the effort, cost and time associated with providing reliable information for 9-1-1, safety and mobility applications. Intrado has received International Organization for Standardization (ISO) 9001-2000 certification.

Intrado presenting their capabilities related to helping the nation's 9-1-1 network take advantage of next generation, IP-based technologies. The result is an exponential improvement in emergency response and the availability of a communications link between local, state and federal public safety officials.

VII. LEVEL 3 COMMUNICATIONS:

Level 3 is an international communications and information services company operating one of the largest Internet backbones in the world. Level 3 is the primary provider of Internet connectivity for millions of broadband subscribers, through its cable and DSL partners. The company offers a wide range of communications services over its 23,000-mile broadband fiber optic network. In September 2003, Level 3 became one of the first providers to deliver enhanced 911 services for VoIP and currently has network connections to Selective Routers and PSAPs that serve more than 80% of the US population. In June 2005, Level 3 announced Level 3 E-911 Direct, a portfolio of E-911 solutions, including an FCC compliant solution for nomadic VoIP providers. Level 3 currently provides the service to Vonage, the fastest growing phone company in the US, along with other Voice Service Providers. As a member of NENA's Technical Roundtable and the E-911 Institute, Level 3 remains committed to consumer safety through technology.

VIII. NATIONAL EMERGENCY NUMBER ASSOCIATION (NENA):

NENA is The Voice of 9-1-1™. Now celebrating its 25th year, NENA was established to promote implementation and awareness of 9-1-1 as North America's universal emergency number. NENA has grown to become the leading professional non-profit organization dedicated solely to 9-1-1 emergency communications issues. NENA serves its more than 7,000 members in 46 chapters across the U.S. and Canada through policy advocacy, establishment of technical and operational standards, certification programs and a broad spectrum of educational offerings. In the past 15 years, advancements in modern communications technology have put a spotlight on the need for a more appropriate system for accessing emergency care—in essence, a 9-1-1 system that is able to adapt rapidly to new technology and support new communications devices. From the start, NENA has been at the forefront. Not only has the organization released a “Report Card to the Nation” that reviews and grades its current performance, but it has implemented the “Next Generation E9-1-1 Partnership.” Just a year old, NENA's Next Generation E9-1-1 Program is a joint public-private working group developed to further the mission of creating safer communities by advancing technology, policy and operations issues through research and planning. To date, the program is supported by 25 program partners, which include key representatives from leading communications companies, vendors of 9-1-1 products and services, and public safety-related associations.

IX: ONSTAR:

OnStar is the leading provider of in-vehicle communication services, including automatic notification of airbag deployment and Advanced Automatic Crash Notification (AACN), stolen vehicle location and remote door unlock. Working with 911 dispatchers, OnStar can help in providing timely emergency response.

OnStar showcased the potential contribution of AACN to facilitating public safety in providing a targeted response to automotive crash victims.

X. RAINS:

RAINS (Regional Alliances for Infrastructure and Network Security) is a non-profit, public/private alliance formed to accelerate development and deployment of innovative technology for homeland security. RAINS has forged alliances with technology companies, multiple research universities, critical infrastructure providers, local, state and federal agencies, and first responders. RAINS¹ Connect & Protect , a highly secure information sharing service designed to serve communities, was launched in 2003, and has delivered hundreds of thousands of alerts and notifications without fail.

Connect & Protect is described as a ³radical breakthrough² by WIRED Magazine (December 2005), and was a finalist for the inaugural Mitretek Innovations Award in Homeland Security, co-sponsored by Harvard's John F. Kennedy School of Government. RAINS is currently introducing TIES, a Trusted Information Exchange Service designed to support improved homeland security coordination among federal, state and local government agencies.

XI. ROSUM CORPORATION:

Rosum is the first and only company to use unmodified broadcast TV signals for position location of mobile assets. The Rosum solution is uniquely suited to safety-of-life applications that require always-available position location in urban and indoor settings. In exclusively indoor and urban-area testing, the Rosum solution meets or exceeds the FCC's E9-1-1 accuracy specifications. Rosum is also the first to combine TV and GPS signals for robust situational awareness in all environments. Rosum's leadership is composed of industry leaders from the GPS, cellular and television worlds, and Rosum's founding team includes the original architects of the GPS constellation. Partners include In-Q-Tel, the CIA's venture arm. Rosum was recently named a Technology Pioneer by the World Economic Forum.

Rosum Corporation, based in Mountain View, CA [in Congresswoman Eshoo's home district!], is the first and only company to harness the broadcast TV infrastructure for position location of mobile devices. TV signals were designed for indoor reception, making them optimal for position location indoors and in urban areas, where conventional location solutions fail. Rosum is also the first and only company to combine over the air TV signals with GPS signals for "hybrid" anywhere, anytime positioning.

At the E9-1-1 Institute Summer Technology Fair, Rosum will conduct a live demonstration of its second-generation location module. This follows a demonstration of its first-generation module at the Fall 2005 Technology Fair.

The TV infrastructure is distributed and supplied with backup power at the studio and transmitter, making it highly robust during disasters – it retains operation even when conventional wireline and wireless infrastructures are impaired, as it did during the Gulf hurricanes of 2005. Rosum's patented technology harnesses this robust infrastructure for true public safety-class positioning.

XII. TELECOMMUNICATION SYSTEM, INC. (TCS):

TCS produces wireless data communications technology solutions that require proven high levels of reliability. TCS provides wireless and VoIP E9-1-1 network-based services and route and deliver approximately one-half of all the wireless E9-1-1 calls placed in the United States every day. TCS provides secure deployable communication systems and engineered satellite-based services, and commercial location applications, like traffic and navigation, using the precise location of a wireless device. Customers include leading wireless and VoIP carriers around the world, and agencies of the U.S. Departments of Defense, State, and Homeland Security. Founded in 1987 and headquartered in Annapolis, Maryland, with offices in Seattle, WA, Tampa, FL, and London, TCS became a public company in 2000 and is traded on the NASDAQ as TSYS.

TCS displayed a live, real-time video feed of E-1-1 calls as they occur across the U.S. The calls displayed represent approximately one-half of the wireless and VoIP E9-1-1 calls received daily through the TCS Network Operations Center (NOC). Additional drill-down screens will be displayed, with caller anonymity. The video illustrates the location information the Public Safety Answering Point (PSAP) receives and is able to provide to the First Responders. A screen shot of the TCS demo is shown below. TCS Service Bureau in Seattle, Washington is the only TL-9000 certified facility providing wireless or VoIP E-911 location services in the U.S.

XIII. TRUE POSITION:

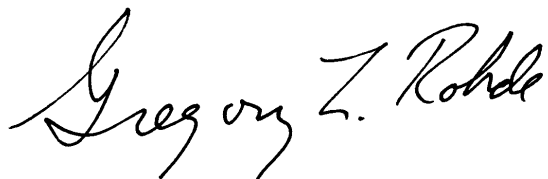
TruePosition is the world's largest company solely dedicated to the development and implementation of wireless location products, services and devices, providing complete solutions to support the wireless location needs of the global marketplace. When a cell phone user is in an emergency situation and dials 9-1-1, there's little room for error. They need to be accurately located regardless of their environment or the mobile phone that they're using. Today, TruePosition's wireless location technology is being deployed nationwide in the Cingular Wireless and T-Mobile networks as well as several regional networks. It exceeds the FCC's E-911 Phase II accuracy requirements, and it works consistently, in all environments and with all cell phones. In addition, it provides a platform for a wide range of applications for public and personal safety.

XIV. VONAGE:

Vonage is a leading provider of broadband telephone services with over 1.6 million subscriber lines as of April 1, 2006. Our award-winning technology enables anyone to make and receive phone calls with a touch tone telephone almost anywhere a broadband Internet connection is available. We offer feature-rich and cost effective communication services that offer users an experience similar to traditional telephone services.

Vonage demonstrated how a subscriber would go into their online account and enter their 9-1-1 address, obtain confirmation of that address, and then place a 9-1-1 call where the call taker would receive that address on their equipment.

Again, thank you to our sponsors and participants and all those who attended this event. We look forward to seeing you at future events.

A handwritten signature in black ink that reads "Gregory Z. Rohde". The signature is written in a cursive style with a large, stylized 'G' and 'R'.