



VOICE OVER WIFI E9-1-1

Changing the Way Your Subscribers Reach 9-1-1

Many carriers that have invested in an Internet Protocol Multimedia Subsystem (IMS) core infrastructure have chosen to offer Voice over WiFi (VoWiFi) service to improve coverage in rural areas, extend 9-1-1 to roaming subscribers, and increase location accuracy for calls placed indoors. Comtech's VoWiFi E9-1-1 service ensures that these carriers can comply with federally mandated emergency call routing rules and regulations.

Comtech recently added VoWiFi E9-1-1 to its portfolio of market-leading public safety solutions. VoWiFi E9-1-1 enables near real-time subscriber data updates, including location, so dispatch centers can identify where a roaming call is located. At the core of the hosted service is our proven VoIP Positioning Center (VPC) which provides emergency call-routing instructions to the operator network and delivers caller location information to the appropriate public safety answering point (PSAP) based on the location of the caller.

Our flexible VoWiFi E9-1-1 solution supports multiple call-routing configurations and can accommodate carrier-specific regulatory rules, including routing by geolocation (lat/lon in PIDF-LO), Master Street Address Guide (MSAG)-validated civic address, and default routing to a national emergency call center staffed by APCO-trained and certified agents.

Industry Compliance

Our VoWiFi E9-1-1 solution complies with the National Emergency Number Association (NENA) i2 standard and the latest applicable Federal Communications Commission (FCC) mandates.

Key Feature	Benefit
NENA i2 Standards-Based VoIP Positioning Center (VPC)	Enables interconnected VoIP service providers, including carriers launching VoWiFi service, to comply with Federal Communications Commission (FCC) rules for routing E9-1-1 calls.
ALI Link™ Service	Provides access to standardized Automatic Location Information (ALI) databases through a single steering point, which saves Voice Service Providers (VSPs) the expense of building their own data circuits.
B2B Subscriber Provisioning Application Programming Interface (API)	Provides an automated method for provisioning subscriber records, improving speed of deployment and customer acquisition.
LivE9-1-1 (Web-Based Subscriber Provisioning Tool)	Acts as a secure front end to Comtech's subscriber database, allowing authorized users to add, modify, and delete individual records in the Location Information Server (LIS).
Flexible Emergency Call Routing Options	Route calls using any combination of provisioned civic address, lat/lon (PIDF-LO), and emergency call center. This flexibility allows for a phased rollout of VoWiFi service.
Master Street Address Guide (MSAG) Address Validation	Ensures that addresses provided by subscribers are in a format public safety prefers.
Emergency Response Center	Ensures that, if for any reason a call cannot be routed automatically, an Association of Public-Safety Communications Officials (APCO)-trained and certified call taker will answer the 9-1-1 call for help and route the call to the appropriate PSAP.

About Comtech Safety & Security Technologies

Comtech Safety & Security Technologies (SST) has been demonstrating its commitment to public safety for over 20 years. We deliver reliable solutions for Next Generation 9-1-1 (NG9-1-1), wireless Enhanced 9-1-1 (E9-1-1), Text to 9-1-1, VoIP & VoWiFi E9-1-1 and related emerging technologies. Service Providers, states, and local jurisdictions nationwide rely on our portfolio of mission critical products and services.

2401 Elliott Avenue, Suite 200
Seattle, WA 98121
Phone: 206.792.2000
SST-Sales@comtechtel.com
www.comtech911.com