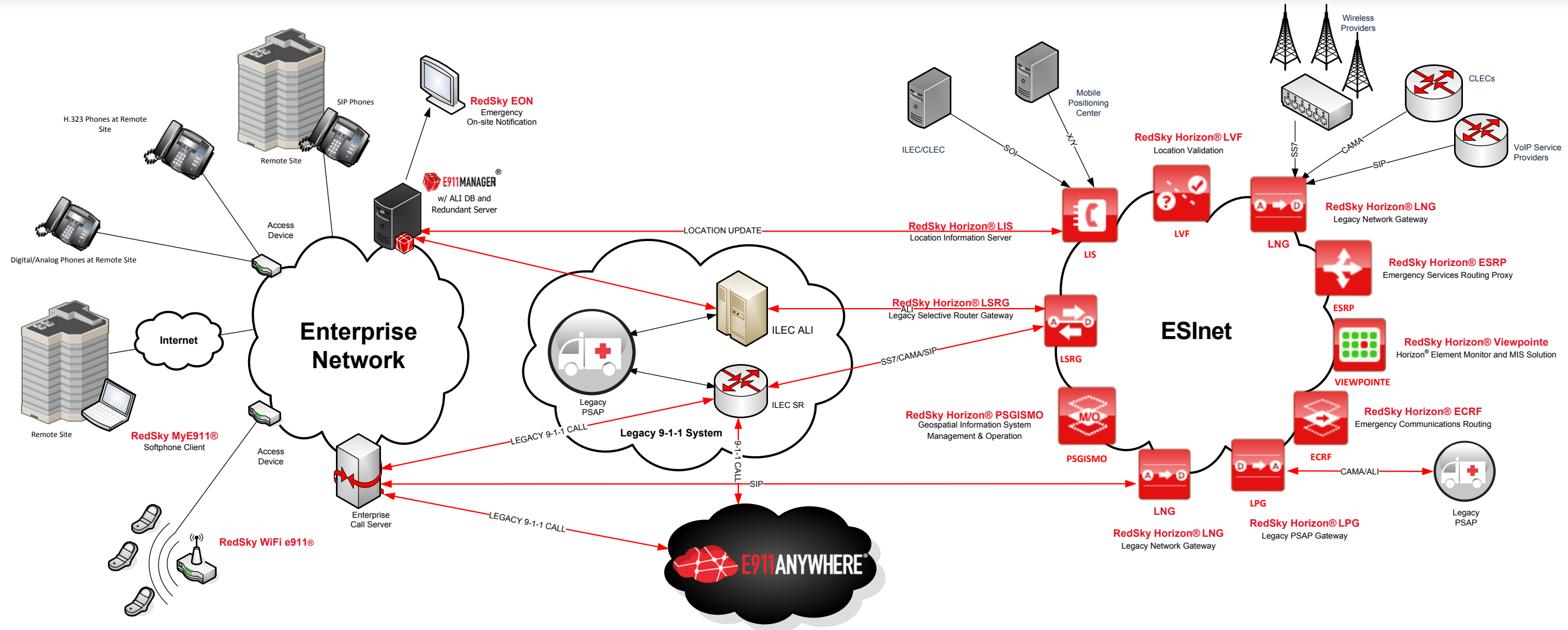


RedSky Horizon® Emergency Call Solutions



Emergency Call Tracking

Emergency Services Network



FOR ENTERPRISE E911

- ▶ IP Phones and Softphone locations are tracked dynamically in and outside the Enterprise
- ▶ 9-1-1 call notifications are instantly delivered to Enterprise security (EON)
- ▶ A network map of locations, ports and subnets is made and stored
- ▶ Internal and external location databases are updated with every device move
- ▶ Supports on-premise and hosted architectures
- ▶ RedSky ALI DB Query is available to support direct NENA-standard ALI queries
- ▶ Supports Avaya, Cisco, Unify and Microsoft Lync voice platforms

FOR i3 ESInets

- ▶ End-to-End SIP protocol network
- ▶ Interfaces to existing analog sources and PSAPs using protocol conversion gateways
- ▶ Routes 9-1-1 calls based on embedded location objects in the SIP INVITE
- ▶ Validates locations (civic address, x/y coordinates) with the Master Street Address Guide and other geo-spatial databases
- ▶ Allows incremental deployments, allowing lower risk “soft-cutovers”
- ▶ Scalable to meet customer needs
- ▶ Supports on-premise and hosted architectures

Product Overview

Whether you need the industry's only true end-to-end solution for Next Generation 9-1-1 (NG9-1-1) ESInet or an incremental path from your legacy Call Server to a full, standards-based i3 capable solution, RedSky has the answer. All RedSky Horizon® emergency call solutions including all ESInet components and enterprise device location management solutions including E911 Manager® and E911 Anywhere® are designed to work together seamlessly. Reliability and redundancy are built into core of all of our products to ensure mission critical operations work as designed and desired all the time.

E911 MANAGER®

HOSTED
OPTION

An automated software application that integrates with enterprise communications systems to track phone locations inside and outside the enterprise, update regional ALI databases, private ALI databases, log every transaction and move, and notify on-site security when a 9-1-1 call is made.

E911 ANYWHERE®

A cost-effective, hosted alternative to traditional PS-ALI based E9-1-1. E911 Anywhere® accepts and routes 9-1-1 calls to any PSAP in the USA over IP, SIP or PSTN trunking. This consolidated approach eliminates the cost of local 9-1-1 call trunking and eliminates the time and expense of setting up PS-ALI contracts with Local Exchange Carriers. E911 Anywhere® can be combined with E911 Manager® to provide enterprises with a fully automated location tracking and 9-1-1 call routing solution capable of servicing the largest, most modern IP voice networks, with end-users located anywhere in the United States and Canada.

HOSTED
OPTION

Hosted option means that these elements can be hosted in a RedSky data center or end user data center and be purchased on a monthly or annual basis based on usage, transactions or database records.

REDSKY HORIZON® LIS Location Information Server

HOSTED
OPTION

The key NG9-1-1 network element for receiving, storing and delivering the location data of any device used to dial 9-1-1 during an emergency. This universal location service is designed to fill the void left by the transition from the legacy ILEC-based 9-1-1 system to the i3 NENA Specification environment. The RedSky Horizon® LIS is unique in its ability to handle both fixed and dynamic location data.

REDSKY HORIZON® ESRP Emergency Services Routing Proxy

HOSTED
OPTION

The rules engine for PSAPs that determines whether calls are accepted or passed on to the next routing hop within the ESInet based on availability and predetermined rules set by the participating PSAPs.

REDSKY HORIZON® VIEWPOINTE Element Monitor and MIS Solution

HOSTED
OPTION

ViewPointe is a RedSky toolset for the ESInet operator to manage the health and well-being of the RedSky Horizon® functional elements. This application includes a monitor that graphically displays every element with colors that show operational readiness. Readiness is determined by network connectivity, SMTP alerts from the hardware and operating system, and bi-directional exercising of the applications services. In addition to element monitoring, ViewPointe stores transaction data from every element, allowing trouble shooting from a single application. ViewPointe also acts as the Configuration Manager for every RedSky Horizon® functional element, storing configurations, changes, and providing immediate restoration capabilities.

REDSKY HORIZON® RLB RedSky Load Balancer

HOSTED
OPTION

Every element is equipped with our software application that ensures the delivery of requests and responses in the RedSky Horizon® based ESInet. Instead of depending on a single thread hardware based load balancer to achieve redundancy, RedSky developed software tools that are integrated into the functional element and support the health reporting into our ViewPointe application.

REDSKY HORIZON® PSGISMO Public Safety Geospatial Information System for Management & Operations

HOSTED
OPTION

PSGISMO is designed for Public Safety users who are now responsible for boundary and MSAG management. This open source based solution is tailored to the ESInet manager that uses GIS data from an authoritative source and MSAG data from the legacy 9-1-1 service provider. This tool was built to transition a 9-1-1 system from the legacy tabular environment to the geospatial data set to be used for location validation and routing decisions. PSGISMO is the master data source for our ECRF and LVF elements, keeping redundant nodes in sync.

REDSKY HORIZON® ECRF Emergency Call Routing Function Server

HOSTED
OPTION

Determines the correct PSAP an emergency call should be routed to based on the caller's location. The ECRF also works with the ESRP to route emergency calls in accordance with predetermined rules based on PSAP availability.

REDSKY HORIZON® LVF Location Validation Function

HOSTED
OPTION

Ensures the GIS locations encoded from fixed telephone systems, ILEC database management systems and mobile devices are valid. The RedSky Horizon® LVF is constantly working in the background to ensure civic locations and coordinates are valid, flagging those that are not for correction.

REDSKY HORIZON® LSRG Legacy Selective Router Gateway

Not all PSAPs are upgrading at the same time and today's legacy 9-1-1 systems will continue to exist into the near future. Communicating with these CAMA-based, ILEC selective router-dependent systems, the RedSky Horizon® LSRG handles the protocol conversion between IP and Analog networks, and preparation of legacy caller location and callback number.

REDSKY HORIZON® LNG Legacy Network Gateway

The on-ramp for emergency calls from the PSTN from SS7, CAMA, PRI and SIP trunks, translating legacy signaling from SIP-based signals that can be routed over your secure, private IP networks for handling by the appropriate emergency entity.

REDSKY HORIZON® LPG Legacy PSAP Gateway

Translates IP calls into traditional CAMA signaling, making it possible for PSAPs to gain the benefits of IP-based networks without upgrading CPE. Location data is received in the PIDF-LO and is formatted as a response to a traditional ALI query. SIP messaging is used to initiate conference calls and transfer calls, both on and off the ESInet.

ABOUT REDSKY

RedSky is the leading provider of on-premise and cloud-based E911 solutions with more customers, more technology, and more experience than any other provider. More than a million workers, students, guests and visitors rely on RedSky for E911 protection. RedSky leverages legacy standards as well as the new National Emergency Number Association (NENA) i3 standards for Next Generation 9-1-1 (NG9-1-1) to help organizations provide effective 9-1-1 emergency response, comply with state E911 regulations and meet business requirements for safety, risk management and efficiency.

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