ECRF AND LVF
TRANSITION TO GEOSPATIAL CALL ROUTING AT YOUR OWN PACE

GIS data plays a critical role in NG9-1-1
GeoComm ECRF and LVF are part of an end-to-end NG9-1-1 GIS solution that delivers NENA i3 ECRF and LVF services to NG9-1-1 Emergency Services IP Networks (ESInets), replacing legacy 9-1-1 MSAG and Selective Router systems. It includes 9-1-1 GIS data management, aggregation, and quality control systems to provision GIS data to ECRF and LVF systems rapidly and with high frequency.

GeoComm ECRF and LVF provide the NENA i3 standard Emergency Call Routing Function and Location Validation Function required for NG9-1-1 systems. Based on NENA standards, GeoComm ECRF and LVF works with ANY vendor, make, and model of NG9-1-1 compliant Emergency Services Routing Proxy (ESRP), Public Safety Answering Point (PSAP) equipment, and other LoST clients.

Reliable and Robust Performance for 9-1-1 Systems
GeoComm ECRF and LVF use a load balanced multi-server architecture supporting geographic redundancy with no single point of failure, providing high availability and lightning fast performance for any agency, large or small.

GEOCOMM ECRF BENEFITS
• Provides fast, secure, and reliable core network ECRF services for NG9-1-1, compatible with NENA i3 NG9-1-1 equipment and systems from any vendor
• Enables a transition to geospatial call routing at your pace, allowing you to increase routing capabilities as you assess, improve, and maintain your GIS data over time
• Enables common selective call transfer information across PSAPs using different CPE/CTI brands

GEOCOMM LVF BENEFITS
• Provides fast, secure, and reliable core network LVF services for NG9-1-1, compatible with NENA i3 NG9-1-1 equipment and systems from any vendor
• Improves the accuracy of emergency call routing by ensuring that wireline and VoIP service subscriber addresses are valid and routable before emergency calls are placed

#GISimplified
GIS CONTINUOUS WORKFLOW

ADDITIONAL GEOCOMM ECRF BENEFITS

- Improves response times by routing emergency calls to the correct Public Safety Answering Point (PSAP) faster
- Accomplishes fast routing changes in just a few seconds, such as adding virtual PSAP routing boundary during a public event, or large-scale manmade or natural disaster
- Uses industry leading Esri ArcGIS Enterprise technology to leverage existing GIS data, staff, expertise, and investment available to 9-1-1 authorities today
- Tested for interoperability at NENA Industry Collaboration Events (ICE1, ICE2, ICE3, ICE4, ICE5, ICE6, ICE7, and ICE8) and the European Emergency Number Association (EENA) / European Telecommunications Standards Institute (ETSI) NG1-1-2 Plugtest #1
- Integrates seamlessly with GeoComm’s end-to-end NG9-1-1 GIS system for publishing GIS data from local authorities into the 9-1-1 network, performing QC and data coalescing, and provisioning into live 9-1-1 ECRF systems

ADDITIONAL GEOCOMM LVF BENEFITS

- Supports single and batch address validation
- When addresses are found to be invalid, provides details that describe which data is incorrect, to help remediate GIS data or location database discrepancies
- Integrates seamlessly with GeoComm’s end-to-end NG9-1-1 GIS system for publishing GIS data from local authorities into the 9-1-1 network, performing QC and data coalescing, and provisioning into live 9-1-1 LVF systems
- Uses industry leading Esri ArcGIS for Server technology to leverage existing GIS data, staff, expertise, and investment available to 9-1-1 authorities today
- Tested for interoperability at NENA Industry Collaboration Events (ICE1, ICE2, ICE3, ICE4, ICE5, ICE6, ICE7, and ICE8) and the European Emergency Number Association (EENA) / European Telecommunications Standards Institute (ETSI) NG1-1-2 Plugtest #1
- Integrates seamlessly with GeoComm’s end-to-end NG9-1-1 GIS system for publishing GIS data from local authorities into the 9-1-1 network, performing QC and data coalescing, and provisioning into live 9-1-1 LVF systems