

## 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.

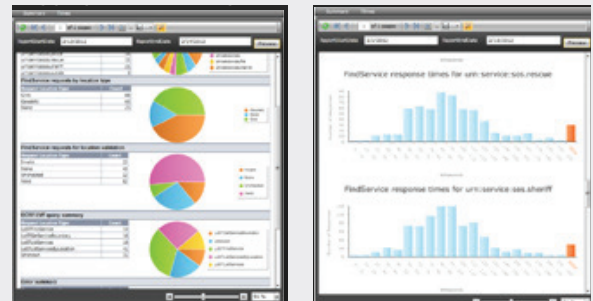
#### Reliable and Robust Performance for 9-1-1 Systems

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.

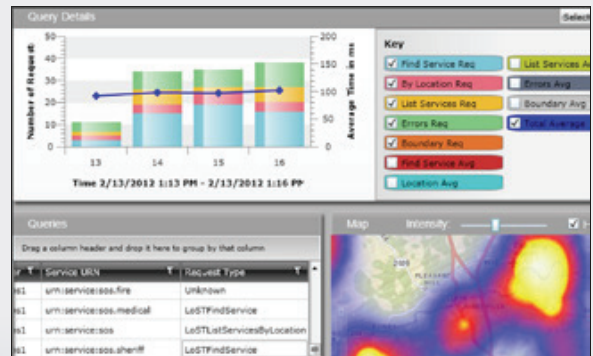
#### Spatial Router Web Dashboard



#### Logging and Reporting



#### Real-Time Performance Monitoring



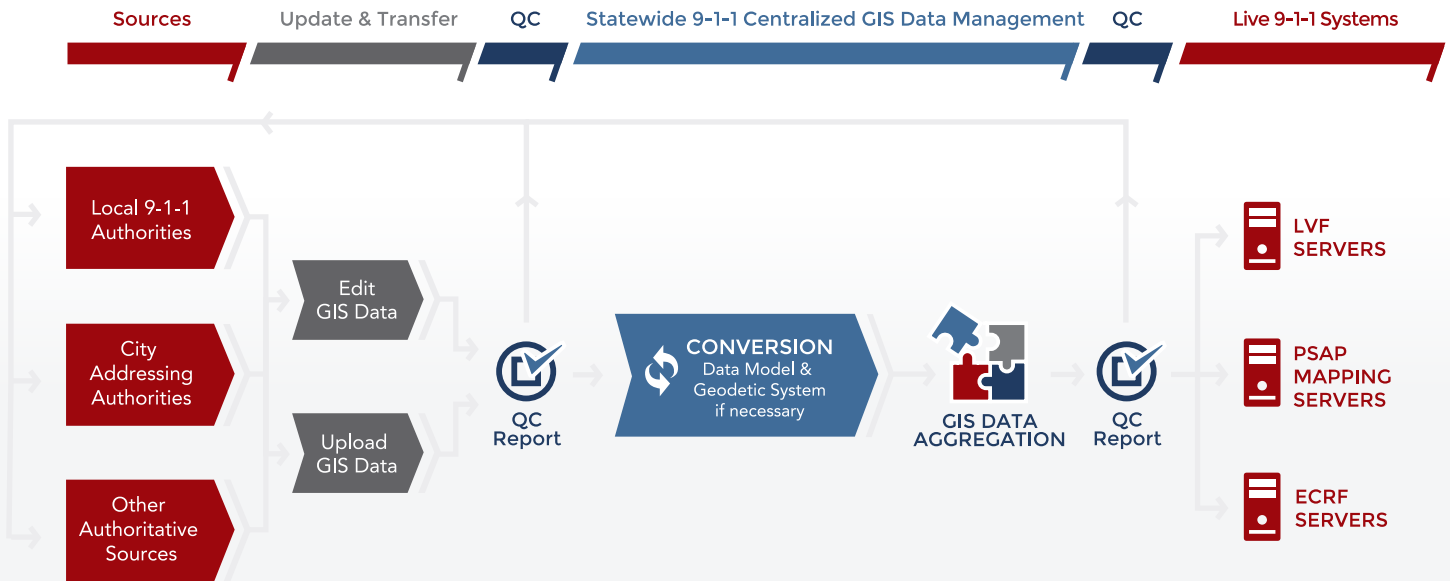
## GEOCOMM ECRF BENEFITS

- 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

# 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