



NG9-1-1 Spatial Routing Technology with DataNexus®

Make a seamless transition to NG9-1-1 with DataNexus' s LVF and ECRF capabilities keeping you in the **Know**™

Product Specifications

- Microsoft™ Server-based for ease of use, lower cost, and simplified maintenance.
- Web-based user interface for easy data management.
- A fully functional Location Validation (LVF)/ Emergency Call Routing Function (ECRF) environment that complies with NENA and IETF standards.
- Provides an immediate or transitional approach into NG9-1-1.
- Street and community name correlation from three data sources (Postal, MSAG, and GIS).
- Validates locations and routes calls using real-time data.
- Integration with DataBond and SpatialCentral.
- Extensive reporting capabilities.
- Provides a hierarchical default routing for ECRF queries.
- Configurable search prioritization between multiple datasets.
- Links to online mapping resources.
- Supported by 911 Datamaster's comprehensive, 24/7/365 software support.

The essential functions of any NG9-1-1 deployment are to validate location and determine responders based on the geographic location of the caller in order to quickly and accurately route 9-1-1 calls.

DataNexus is specifically designed to perform these vital Spatial Routing functions drawing from over two decades of routing experience.

DataNexus performs these core functions by leveraging the combined knowledge of multiple datasets: Postal, Master Street Address Guide (MSAG), and current GIS data. This trio of data sources combines to provide an industry-unique and comprehensive multi-datatype location identification and response system. Management and calibration of the **DataNexus** database is accomplished through an intuitive web-based user interface. This allows local users to maintain and control the integrity of routing data.

DataNexus technology draws from over 20 years of authoritative data integrity experience. It provides functions to help identify common error discrepancies in MSAG, Postal, and GIS data. It also includes extensive reporting capabilities and audit trails - keeping you in the



DataNexus provides the most comprehensive geospatial call routing and responder determination capabilities, quality assurance metric reporting, and pre / post call reporting available in the 9-1-1 public safety market today.

Maintaining data integrity is essential for every migration to full NG9-1-1. Authoritative datasets are maintained in **DataNexus** with the use of intuitive management tools integrated with **SpatialCentral** and **DataBond**.

DataNexus supports full integration with **SpatialCentral** for direct spatial uploads, as well as Address Points (APs), Road Center Lines (RCLs), and polygons.

DataNexus also works seamlessly with **DataBond**, allowing for a smooth and logical operational migration from traditional database management (ALI and MSAG) to Next Generation (GIS) solutions.

DataNexus is designed to integrate the current needs of public safety emergency spatial routing with the evolving technologies of NG9-1-1 functions.

“ Today we have the tools to build our own database that will provide geo-based enhanced call routing for all our PSAPs. Most importantly, these tools help us reconcile and maintain location information from all the sources, whether it comes from the telco provider, the MSAG, or GIS. 911 Datamaster, Inc has been our partner throughout the process and continues to work closely with us as we implement each piece of the puzzle. ”

- Michael Grossie, Executive Director of LECD

“ [The move to DataNexus] allowed us to start building our next generation database and reconcile our MSAG and post office data seamlessly. It was a very useful tool for us. ”

- Nathan Kizer, Technical Operations Manager for Lubbock, Texas District