DataNexus®

NG9-1-1 Spatial Routing Technology with DataNexus®

Make a seamless transition to NG9-1-1 with DataNexus' ECRF / LVF capabilities keeping you in the Know®

The essential functions of any NG9-1-1 deployment are to validate location and determine responders based on the geographic location of the caller to quickly and accurately route 9-1-1 calls. **DataNexus is specifically designed to perform these vital Spatial Routing functions**.

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

DataNexus technology draws from over 25 years of authoritative data integrity experience. It provides functions to help identify common error discrepancies in GIS and MSAG data.

DataNexus provides the most comprehensive geospatial call routing and responder determination capabilities available in the 9-1-1 public safety market today.

DataNexus receives direct spatial uploads from **SpatialCentral**, including: Address Points (APs), Road Center Lines (RCLs), and polygons.

DataNexus also integrates 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.

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.

- Validates locations and routes calls using real-time data.

- Supports integration with DataBond.

- Provides a hierarchical default routing for ECRF queries.

- Configurable search prioritization between multiple datasets.

- Dependable QA / QC through the SpatialCentral interface.

- Supported by 911 Datamaster's comprehensive, 24/7/365 software support.

911 Datamaster

"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

911
Datamaster