Your Complete Solution for NG9-1-1

Take the pain out of NG911 preparation with support from experts at every stage of the process.

What does the Pro-West & 1Spatial team offer?

The team of 1Spatial and Pro-West & Associates offers organizations a complete solution for NG911 data preparation and validation. We understand the need to focus on the big picture – a nationwide system that is built for modern communications, reducing response times and increasing location accuracy – but we also understand that getting there can present huge challenges.

From interpreting data reports to submitting data to the State, our team is ready to help your organization prepare for NG911. We provide:

- Data analysis
- Schema standardization
- Remediation and QC of all data elements (GIS data, ALI, MSAG)
- Loading data to the 1Engage data portal
- Data validation and integration portal implementation and maintenance
- Training on 1Engage
- Interpretation of reports on NG911 data compliance
- Data maintenance
- GIS solutions that leverage 911 data to share information and streamline workflows

NG911 Services

Deploy and maintain public safety NG911 enterprise solution

Training for PSAPs, Counties, COGs

Data remediation

Submit data on behalf of Counties and PSAPs

Review validation reports

Update and correct all NG911 data elements (GIS data, MSAG ALI)

Case Study (Boone County, West Virginia)

The 1Spatial /Pro-West team supported Boone County in its NG911 preparation. The team began by gathering all data elements – road centerlines, address points, ESN zones, zip code boundaries, and much more – before loading data into the schema that matched the State of West Virginia's NG911 requirements. Any datasets that were in a different schema were mapped to the new schema.

Analysis and clean-up began, comparing data sets to make sure information was consistent, eliminating gaps and overlaps in geometry to ensure seamless emergency response cover, flagging and resolving errors and much more. Tools in the State's 1Spatial data portal were used to automate many of the necessary data checks, working through and checking off each validation phase task by task. The team used the scoring provided by the portal to track and visualize progress. Throughout the clean-up process, the 1Spatial/Pro-West team and Boone County collaborate to make decisions on errors and inconsistencies and identify valid exceptions.

Eventually, Boone County's data was ready for submission to the State via the portal.

But NG911 data preparation doesn't end there. The county must have a plan for maintenance if it is to remain at the standard required. Boone County's 911 data will follow a collaborative plan, where the County and 1Spatial/Pro-West will each be responsible for maintaining dedicated datasets to ensure authoritative information for fast and accurate emergency response.

How can organizations benefit?

Organizations benefit from a seamless and streamlined NG911 preparation process. Many organizations face significant obstacles in their journey to NG911 readiness, such as outdated data, data in disparate systems and formats, lack of familiarity with GIS technology, insufficient time and more. This is a time-consuming workload for organizations and individuals whose time is already at maximum capacity. Our team will help you cross the finish line to NG911 compliance with the assurance of efficiency and accuracy, and without the added workload.

Our team combines specialist knowledge, technical proficiency, and many years of experience providing the services you need to become NG911-compliant. We work with state governments to implement NG911 validation portals. We work with local governments and PSAPs to analyze, compare and clean up their data to meet state requirements. We develop data where it is missing, perform QA/QC, run validation checks, submit data to the state, using modern GIS tools and automated processes for efficiency.

For organizations concerned about long-term maintenance, our team can also maintain your data, making sure it remains NG911-compliant.

About our team

1Spatial: 1Spatial has 20 years of experience in automating GIS data validation and has performed seven statewide NG911 implementations since 2017. 1Spatial's 1Engage solution streamlines NG9-1-1 GIS data preparation using proven pre-configured and automated data validation and aggregation technology. 1Engage can be deployed according to your needs, either as a standalone Software-as-a-Service (SaaS) validation tool, a spatial interface, or integrated into an enterprise solution, ensuring optimal data interoperability. **www.1spatial.com**

Pro-West & Associates: Pro-West & Associates was founded in 1987 and is an employee-owned business, providing GIS services to local, state and federal government and commercial organizations. Pro-West has completed over 40 NG911 implementations and has been supporting local governments with 911 services for 25 years. NG911 services include interpreting data reports, performing data analysis and clean-up to comply with NG911 standards, coordinating communication between local governments and other agencies, and providing as-needed technical support. **www.prowestgis.com**