

PUBLIC SAFETY • STATE OF GEORGIA

# Implementation & Data Services for Georgia's NG9-1-1 Build-out Across **700+ Cities & Counties**

Ready to Modernize Your  
NG9-1-1 Data?

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## CASE STUDY • THE STATE OF GEORGIA

### ABOUT THE ORGANIZATION

The Georgia Geospatial Information Office (GIO) coordinates the development of map-based data across state government — a critical component of nearly every government function, not just 9-1-1. Coordinating that development through the GIO is a deliberate, wise use of tax dollars: build it once, use it many ways. The same data that enables emergency response also supports small businesses, broadband expansion, public/private partnerships, and thousands of other governmental functions.

NG9-1-1 enhances a call center's ability to more accurately route calls and emergency responders, receive actionable intelligence and location data in real time, expand communication and back-up support, and improve system resiliency. These enhancements are possible because NG9-1-1 leverages two key resources — an Emergency Services Internet (ESInet) and Map-based Data. To support its statewide build-out, Georgia selected 1Spatial's Public Safety NG9-1-1 Enterprise Solution — incorporating 1Integrate and 1Data Gateway — as a validation engine and data aggregator serving all state and local governments, including contractors.

#### CUSTOMER

**The State of Georgia**

#### INDUSTRY

**Government – Public Safety**

#### CHALLENGE

Stand up a statewide emergency management system by aggregating geospatial data layers from numerous local government entities to support NG9-1-1 geospatial call routing.

#### SOLUTION

Public Safety NG9-1-1 Enterprise Solution — an automated NG9-1-1 workflow for data validation and integration supporting the statewide build-out.

**“Wise use of tax dollars: build it once, use it many ways. Coordinating map-based data development through the GIO ensures every tax dollar spent will enable countless other state priorities – and thousands of other governmental functions.”**

The State of Georgia

## THE CHALLENGE

In the past, demands on local data did not mean life or death. With NG9-1-1, that is changing. Neither the State nor local governments had the data or processes needed to support geospatial call routing at scale:

### THE DATA GAPS

- Missing or incomplete data
- No common standard
- Inefficient maintenance & stale data
- No shared validation tools
- Inconsistency along shared borders
- Resource scarcity

## THE SOLUTION

The Georgia Geospatial Information Office implemented 1Spatial's Public Safety NG9-1-1 Enterprise Solution for all state and local governments, including contractors. It clearly demarcates gaps, overlaps, and incomplete data; converts local data to the Georgia Geospatial Data Standard for NG9-1-1; and precisely pinpoints problems and errors within and between jurisdictions — providing a common platform for efficient data rollups from Georgia's 700+ cities and counties to a state scale.

### BUILT ON

- 1Integrate
- 1Data Gateway
- Georgia NG9-1-1 Data Standard

## HOW IT WORKS – A 5-STEP PROCESS

The implementation tells each contributor how prepared their data is to enable NG9-1-1 locally — and when problems are found, it reports exactly which 9-1-1 rules are broken, saving local staff hundreds of hours combing through millions of map-based features.

- 1 Submit.** Upload contributor data 'as-is' in its native format for conversion to the GA NG9-1-1 Standard.
- 2 Validate.** The tools run automated tests, each designed to ensure compliance with the required rules of NG9-1-1.
- 3 Report.** A Spatial Report identifies potential problems, downloadable by the contributor in GA Standard Format.
- 4 Edit.** Using the Report within their GIS system of choice, the contributor reviews and fixes the flagged areas.
- 5 Resubmit.** Resubmit after each round of edits until the data is 'NG9-1-1 ready' — then it is available to all stakeholders.

## BENEFITS

- ✓ Clearly demarcates gaps, overlaps, and incomplete data.
- ✓ Converts local data to the Georgia Geospatial Data Standard for NG9-1-1.
- ✓ Precisely pinpoints problems and errors within and between jurisdictions.
- ✓ Consistently measures progress over time as improvements are made.
- ✓ Provides a secure warehouse for all data to live and be served to the ESnet.
- ✓ Enables secure, consistent updates — significant economies of scale.

## KEY BENEFITS

**1 A user-friendly validation portal for locals.** The portal produces a geospatial report identifying issues and their exact location. The local entity can download the report and bring it into their system of choice for data cleanup — making the process far easier and more efficient.

**2 A statewide progress dashboard.** The State can monitor how locals progress over time — whether their data is improving or declining — and support those who are struggling. It can also see if particular validation rules cause the majority of user issues, enabling targeted guidance and education on those requirements.

WATCH • 2 MIN

### See the Solution Overview

A short walkthrough of the Public Safety NG9-1-1 Enterprise Solution in action.

[1spatial.com/us/solutions/next-generation-911/solution-overview-video](https://1spatial.com/us/solutions/next-generation-911/solution-overview-video)



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### Interested in Learning More?

Book a demo to see the Public Safety NG9-1-1 Enterprise Solution in action.

**BOOK A DEMO** →

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