

PUBLIC SAFETY • STATE OF MINNESOTA

Implementation & Data Services for **Minnesota's NG9-1-1 Build-out**

Ready to Modernize Your
NG9-1-1 Data?

BOOK A DEMO →



SCAN TO BOOK A DEMO

CASE STUDY • THE STATE OF MINNESOTA

ABOUT THE ORGANIZATION

Minnesota's Emergency Communication Networks (ECN) division, within the Department of Public Safety, administers the State's 9-1-1 program. The ECN provides guidance on the operational and technical requirements for 9-1-1 across Minnesota's counties and municipalities as the State transitions toward Next Generation 9-1-1 (NG9-1-1).

The State of Minnesota is working with 1Spatial to migrate from Enhanced 9-1-1 to NG9-1-1, establishing an automated workflow for data validation and integration to support the statewide build-out. Accurate, NENA-compliant geospatial data is essential to ensure calls are routed to the correct Public Safety Answering Points (PSAPs) — which requires statewide coordination with local data providers to be successful.

87

Minnesota counties
statewide

**Multi-
PSAP**

Statewide network of
Public Safety Answering
Points

**E9-1-1 →
NG**

Migrating from Enhanced
to NextGen 9-1-1

CUSTOMER

The State of Minnesota

INDUSTRY

Government – Public Safety

CHALLENGE

Aggregate NENA-compliant geospatial datasets from local providers across Minnesota's counties to support NG9-1-1 geospatial-based call routing.

SOLUTION

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

CHALLENGE & SOLUTION

Coordinating local geospatial data into a single, validated statewide foundation.

Geospatial call routing only works when every contributing jurisdiction supplies complete, standards-compliant data. For Minnesota, that means aligning county and municipal providers to a common NENA baseline before a single NG9-1-1 call is ever routed.

THE CHALLENGE

Throughout the country, state 9-1-1 programs are in the midst of — or are beginning — the transition to NG9-1-1. To successfully implement geospatial call routing, it takes significant coordination with local data providers to aggregate the National Emergency Number Association (NENA) required datasets:

NENA-REQUIRED DATASETS

- Address Points
- Road Centerlines
- PSAP Boundaries
- Emergency Service Boundaries — Law
- Emergency Service Boundaries — Fire
- Emergency Service Boundaries — EMS
- Provisioning Boundaries

NENA has released — and continues to author — new standards for geospatial data supporting NG9-1-1. Minnesota uses these standards as a statewide baseline and provisions the data into the State's Next Generation Core Services (NGCS).

THE SOLUTION

1Spatial provides implementation and data services for 1Integrate and 1Data Gateway — establishing and automating an NG9-1-1 workflow for data validation and integration to support the statewide build-out. The tools validate data against NENA's NG9-1-1 schema requirements for attribute accuracy, completeness, and geospatial integrity. Local 9-1-1 Agency Partners access an easy-to-use portal to validate their data and receive spatial reports immediately after validation, pinpointing exactly where data violates NENA requirements so partners can navigate directly to the location and address the issue.

BUILT ON

- 1Integrate
- 1Data Gateway
- NENA NG9-1-1 Standards

KEY BENEFITS

1 A user-friendly validation portal for local agencies. The portal produces a geospatial report identifying data 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 than manual review.

2 A statewide progress dashboard. The State can monitor how local data quality is improving or declining over time, further support those who are struggling, and identify which validation rules cause the majority of issues — enabling targeted guidance and education across the State's partner network.

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



SCAN TO WATCH

Interested in Learning More?

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

BOOK A DEMO →

communications.usa@1spatial.com
go.1spatial.com/ng911-demo



SCAN TO BOOK A DEMO