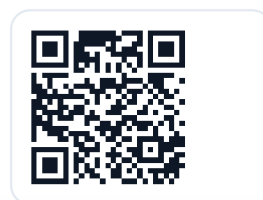


PUBLIC SAFETY • STATE OF ARIZONA

Implementation & Data Services for Arizona's NG9-1-1 Build-out Across **81 PSAPs & 15 9-1-1 Systems**

Ready to Modernize Your
NG9-1-1 Data?

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SCAN TO BOOK A DEMO

CASE STUDY • THE STATE OF ARIZONA

ABOUT THE ORGANIZATION

The Arizona 9-1-1 Program is administered by the Arizona Department of Administration (ADOA), which has oversight of the implementation of 9-1-1 across the State's fifteen (15) 9-1-1 systems that consist of 81 PSAPs. The program provides guidance relating to the operational and technical requirements as Arizona begins to transition toward NG9-1-1, along with recommendations and opportunities for funding to support GIS incentives.

The State of Arizona is working with 1Spatial to begin migrating from Enhanced 9-1-1 to NextGen 9-1-1 (NG9-1-1) to improve the infrastructure and processes that support its 9-1-1 efforts. Accurate geospatial data will be essential to ensure calls are routed to the correct Public Safety Answering Points (PSAPs) — which requires statewide data validation and integration to be successful.

15

Regional 9-1-1 systems statewide

81

Public Safety Answering Points (PSAPs)

E9-1-1 → NG

Migrating from Enhanced to NextGen 9-1-1

CUSTOMER

The State of Arizona

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-based 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.

CHALLENGE & SOLUTION

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

Geospatial call routing only works when every contributing jurisdiction supplies complete, standards-compliant data. For Arizona, that means aligning dozens of local providers to a common 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. Arizona will use these standards as a statewide baseline and provision the data into the State's Next Generation Core Services (NGCS).

THE SOLUTION

1Spatial provides implementation and training services for 1Integrate and 1Data Gateway in support of Arizona's NG9-1-1 build-out. The tools validate the data the State maintains against NENA's NG9-1-1 schema requirements for attribute accuracy and completeness, and ensure the data meets NG9-1-1 geospatial requirements. The automated validation process serves the State and its 9-1-1 Agency Partners alike — providing an easy-to-use portal to validate data and receive spatial reports immediately after validation, pinpointing exactly where data appears to violate NENA requirements so partners can drive straight to the location and rule violation to clean it up.

BUILT ON

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

A COLLABORATIVE, MULTI-AGENCY EFFORT

Because the licenses are enterprise-wide and available for use by other State agencies, the project reaches well beyond 9-1-1 — serving use cases across Arizona's government and turning a single investment into shared value.

ARIZONA DEPT. OF ADMINISTRATION

Administers the statewide 9-1-1 program (ADOA) and oversees NG9-1-1 implementation across all 15 systems and 81 PSAPs.

9-1-1 AGENCY PARTNERS

Validate their own data through an easy-to-use portal and receive spatial reports immediately following validation.

STATE GIO — DEPARTMENT OF LANDS

Extends the same enterprise licenses to the National Address Database & Statewide Locator.

ARIZONA DOT

A long-standing 1Spatial customer; 1Data Gateway grew out of a custom DOT effort, now supporting All Roads Linear Referenced Data.

WHAT'S NEXT



Right-of-Way AutoCAD drawings. Continued work with ADOT on data-integration challenges related to Right-of-Way AutoCAD drawings.



Parcel layers. Extending a similar workflow to help the Arizona Department of Public Lands manage Parcel layers.



Evolving NENA standards. 1Spatial monitors changes to keep its NG9-1-1 rules pack current with any new confirmed requirements.

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 further 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



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 →

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