

# Policy & Standard Background

**Name:** NG9-1-1 Geospatial Data Standard

**New, Update or Sunset Review?** Update

**What is the business case for the policy/standard?**

The Next Generation 9-1-1 (NG9-1-1) program is currently being implemented at the state and county level in Washington State to better incorporate emergency calls that do not use a traditional telephone landline to determine locations for response (for example, voice over internet protocol, text messages, and smartphone locational information). To support the NG9-1-1 program, the National Emergency Number Association (NENA), an accredited Standards Development Organization (SDO), has developed data standards at a national level to coordinate data development/implementation efforts across local, county, state and international boundaries. Geographic Information System (GIS) data is included in these standards from NENA.

The sunset review of this standard updates references to the NENA standard and clarifies some of the language used. All changes from the original standard are shown in “track changes” so that you can see the original language and the proposed updates. The standard applies to geospatial data once the data is loaded into the Spatial Interface functions of the Emergency Services IP Network (ESINet)– the backbone technology of the NG911 system.

**What are the key objectives of the policy/standard?**

- Keep Washington in compliance with National level NG9-1-1 geospatial data standards
- Ensure that the Washington ESINet is using consistent geospatial data standards across county, state and international boundaries
- Assist 9-1-1 dispatch to locations that cross jurisdictional boundaries or use non-landline telephone communications to report emergencies

**How does policy/standard promote or support alignment with strategies?**

The stand supports the Results Washington Goal of healthy and safe communities by Improving Washington's Resiliency. The standard supports the National strategy of integrated 9-1-1 systems and ability to receive and quickly respond to emergency calls from a variety of non-landline based communication devices.

## What are the implementation considerations?

The impact on most agencies should be minimal even if using geospatial data. The standard only applies once data is loaded into the centralized Spatial Interface functions within the ESInet (9-1-1) system. The agency most impacted will be the state NG911 office at the Washington State Military Department. The NG911 office is the agency requesting these updates to the standard.

## How will we know if the policy is successful?

The Washington State Military Department will see improvements in response time to emergency calls from a variety of non-landline based communication devices.

Washington State Military Department will ensure ESInet is using consistent geospatial data standards across county, state and international boundaries.

# Standard 161.07 - NG9-1-1 Geospatial Data Standard

## Purpose

The Next Generation 9-1-1 (NG9-1-1) program is currently being implemented at the state and county levels in Washington State to better incorporate emergency calls that do not use a traditional telephone landline to determine locations for response (for example, voice over internet protocol, text messages, and smartphone locational information). To support the NG9-1-1 program, the National Emergency Number Association (NENA), an accredited Standards Development Organization (SDO), has developed data standards at a national level to coordinate data development/implementation efforts across local, county, state and international boundaries. Geographic Information System (GIS) data is included in these standards from NENA.

## Standard

1. Agencies will adopt and use the latest **NENA NG9-1-1 GIS Data Model Standard**.
2. These standards will apply once data is loaded in the Spatial Interface (SI) functions of the Emergency Services IP Network (ESInet) and requires that all compatible PSAP environments incorporate NG9-1-1 data integration standards and associated capabilities.
3. The minimum datasets for the Spatial Interface are address navigation enabled street centerline, Public Safety Answering Point (PSAP) boundaries, Site/Structure Address Points (SSAP), Provisioning Boundary and emergency service zone boundaries for police, fire and medical.

## Contact Information

Contact [OCIO Policy & Waiver Mailbox](#) for additional information or to [request a waiver](#).

Sunset Review: December 2023 (proposed)

Adoption Date: April 2021 (target)

**END OF STANDARD**

**Definitions (In keeping with a ‘define once, use many’ philosophy, these terms will join the growing [policy definition glossary](#) and be linked to from within the policy.)**

NG9-1-1 is an abbreviation for Next Generation 9-1-1.

NENA is an abbreviation for National Emergency Number Association.

**END OF DEFINITIONS**

**Standard 161.07 - CIO Review – Comment Reconciliation Document**

Name	Org	Comment	Disposition
Robert Connal	WATech	<p>My comments are noted below, rather than within the document because they are more advisory in nature.</p> <p>In general I would suggest framing the document as if it were already established to avoid minor word changes in the future. For example, within the purpose statement it indicates that the “Next Generation 9-1-1 (NG9-1-1) program is currently being implemented”. At some point the policy/standard will have been implemented so I would simply state the policy is in force, rather than giving the impression it is still under development. Therefore a suggestion would be to change the entire first sentence of the document to read: “This program is established to ensure that a common set of standards is utilized throughout the State of Washington as it pertains to Next Generation 9-1-1 (NG91-1-) which acknowledges the use of advanced technology that may include: cellular; voice over internet protocol (VoIP); text message based technologies.”</p> <ul style="list-style-type: none"> <li>- I would suggest the following changes to the Standard portion of the document: <ul style="list-style-type: none"> <li>o Bullet 1: Include “and any future revisions to this standard”. Typically we wouldn’t have issues with minor revisions to federal standards, and this suggestion avoids having to change the document if the standard changes names or is incorporated into a broader federal standard.</li> <li>o Bullet 2: As I recall, the standards also apply to existing PSAP legacy EMS/CAD environments. Therefore I would suggest changing this bullet to append the following, “and requires that all compatible PSAP environments incorporate NG9-1-1 data integration standards and associated capabilities.” This ensures operational expectations and outcomes are clearly stated.</li> </ul> </li> </ul>	<p>Modified the summary wording of standard and the first bullet item and added the suggested language to the second bullet item.</p>