

Implementing the NG911 Address Standard in Oklahoma

How does it change my GIS data?



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Who We Are...

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Do I really have to change my data?



- Chances are very good that your existing MSAG & GIS data may not match as well as you think.
(Perfect chance to do some needed QA/QC)
- The Oklahoma 9-1-1 Management Authority has the legislative duty to direct the Oklahoma Tax Commission to escrow all or any portion of funds collected... if an agency fails to meet NENA Standards.
- Failure to comply will mean that at some point your data and 911 system will not work correctly or at all!

The Oklahoma NG911 GIS Standard



- Where can you find the Oklahoma NG911 GIS Standard?

https://okmaps.onenet.net/address_standards.htm

- What revision we are on?

Version 2.1


- Who maintains it?

- *Oklahoma Geographic Information Council (Address Standards Workgroup)*
- *Oklahoma 9-1-1 Management Authority – (Technical Work Group)*


- How we maintain it?

- *Continual maintenance / Updating as necessary*


What changes need to be made to existing GIS datasets?

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- **Synchronizing your MSAG & GIS Data will increase accuracy in the existing legacy system. *(Legacy data will need to be maintained within the dataset along with NG9-1-1 Data.)***
 - **Standardized Data Schema / Domains / Datasets**
 - **Additional datasets are required for location based NG911**

Why do these changes need to occur?

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- **Scalable / Accountable NG911**
 - **Locally : Faster, more accurate, SEAMLESS NG911 response for the local responders.**
 - **Statewide : The Oklahoma 9-1-1 Management Authority is to ensure public agencies meet the national standards.**
 - **Nationally : The NG911 NOW Coalition is working with Congress & Professional Associations to accelerate deployment of NG911 through its leadership and legislative action by 2020.**

What needs to be modified within existing datasets?

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- **Adding / Modifying Fields / Domains of existing Address Point & Street Centerline files.** (*These may be very close to the requirements already.*)
 - **Add the required data / fields / attributes where necessary.** (*Find / Replace, Field Calculate, Build Fields in Arc Catalog*)
 - **Standardizing projections (at least to a known projection)**

What new datasets need to be developed?



Legacy Data

- **Road Centerline** – Currently used in most PSAP's
- **Address / Site Point** – Currently used in most PSAP's
- **ESZ (ESN) Boundaries** – Currently used in some PSAP's

NG911 Data

- **Seamless Statewide PSAP Boundary**
- **SEPARATE Emergency Service Boundary layers for each for LAW, FIRE, & EMS.**
- **Authoritative / Provisioning Boundary**

Maintaining current functionality while integrating the new content?

Commit, Jump all in!!! Only have the NG911 layers, schemas, & domains & delete the old stuff. (*Not advisable*)

- Leave all existing fields & attributes.

- Add duplicate fields that are NG911 specific

- Maintain both Legacy & NG911 fields

• Or

- Modify existing fields where possible

- Add NG911 specific fields.

- Maintain both Legacy & NG911 fields

What New Resources are Available to Help Local NG911 GIS Update their Data?



Pre-formatted Geodatabases

State Contract Available

Grant Funding for Locals

Regional Training Classes

QA/QC Tools

Sustainability