

2021 OK NG 9-1-1 GIS Readiness



Lance Terry
State of Oklahoma



Charles Brady III
City of Ardmore

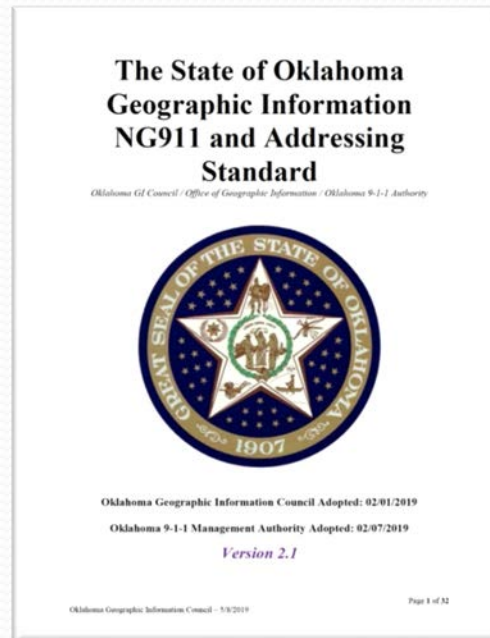
OK GI Council
October 1, 2021

State Resources

- State of Oklahoma Geographic Information NG911 and Addressing Standard (Version 2.2)
- NG911 GIS File Geodatabase with Feature Classes & Domains (*Build with Toolkit*)
- NG911 GIS Toolkit 4.0
- NG911 GIS State Repository
- NG911 GIS Training
- NG911 GIS State Contract of Vendors
- NG911 GIS Grants / Funding

Oklahoma NG911 GIS Standard

- Standard is in its 3rd revision/update
- Found at www.okmaps.org



Downloading the OK NG911 Toolkit

- <http://www.okmaps.onenet.net/addressstandards.htm>



OKLAHOMA
Transportation

*Special Thanks to :
Emma Baker, Riley Baird, Gwen Johnson, & Jeremy Planteen*

Oklahoma Geographic Information Council

Home

Monthly Meetings

Upcoming Events

GIS Data

Contacts

Mission Statement

About Us

GIS Day at Capitol

Strategic Plan

Next Generation 911 (NG911) and Address Standard

This document shall serve as the primary reference document for Next Generation 911 (NG911) Geographic Information System (GIS) Components and Address Standard in the State of Oklahoma regarding GIS based addressing. The standard set forth is to be maintained, utilized, and distributed under the authority of the Oklahoma 9-1-1 Management Authority, the Oklahoma Geographic Information Council, and the Oklahoma Office of Geographic Information. This standard is mandatory for NG911 purposes in the State of Oklahoma. The following guidelines should be incorporated into all addressing applications, both geospatial and tabular, to ensure interdisciplinary compatibility.

Version 1

Oklahoma Geographic Information Council Adopted: April 6, 2018
Draft Submitted for Public Review: November 3, 2017 - January 5, 2018

Oklahoma 9-1-1 Management Authority Adopted: May 3, 2018
Draft Submitted for Public Review: November 3, 2017 - January 5, 2018

Version 2.1

Oklahoma Geographic Information Council Adopted: February 1, 2019
Oklahoma 9-1-1 Management Authority Adopted: February 7, 2019

Version 2.2

Oklahoma Geographic Information Council Adopted: September 11, 2020
Oklahoma 9-1-1 Management Authority Adopted: October 1, 2020

Any questions or comments concerning the NG911 and Address Standard should be directed to Charles Brady, Chair of the Address Standards Workgroup, at cbrady@ardmorecity.org or Lance Terry, State 911 Coordinator, at Lance.Terry@oem.ok.gov.

















Please visit the links below to review the Address Standards:

[NG911 and Address Standard Document](#)

[NG911 and Address Standard Schema](#)

[NG911 GIS Toolkit](#)

File Geodatabase...

- [-]  OK_NG911_GIS_ADDRESS_STANDARD.gdb
 - [-]  NG911
 -  ADDRESS_POINT
 -  DISCREPANCYAGENCY_BOUNDARY
 -  ESB_EMS_BOUNDARY
 -  ESB_FIRE_BOUNDARY
 -  ESB_LAW_BOUNDARY
 -  ESZ_BOUNDARY
 -  NG911_Topology
 -  PSAP_BOUNDARY
 -  ROAD_CENTERLINE
 -  OptionalLayers
 -  FieldValuesCheckResults
 -  NG911_Topology_line
 -  NG911_Topology_point
 -  NG911_Topology_poly

NG911 GIS Toolkit...

Oklahoma NG911 GIS Tools.tbx

1 - OK Prep

- 0 Create GDB
- 1 Address Field Map
- 2 Road Field Map
- 3 Discrepancy Agency Field Map
- 4 PSAP Field Map
- 5.1 ESB Law Field Map
- 5.2 ESB Fire Field Map
- 5.3 ESB EMS Field Map
- 5.4 Dissolve ESZ
- 6 ESZ Field Map
- 7 Add Blank FCs

Adjustment Tools

- Fix Domain Case
- Fix MSAGComm Spaces
- Fix Street Type and Direction
- Fix Submit
- Fix TopoExcept

Comparison Tools

- Compare NG911 Data
- Compare NG911 Geodatabases

Enhancement Tools

- Add/Validate NG911 Topology
- Assign Unique NENA ID
- Calculate FullName and FullAddr
- Calculate Label
- Calculate Parity
- Check Road ESN Values
- Find Address Range Overlaps
- Generate Fishbone Analysis
- Geocompare Address Points
- Populate RCLMATCH: NO_MATCH

MSAG Tools

- Check AT&T TN List
- Check Other TN List
- MSAG NG911 Comparison

Submission Tools

- Check Data and Zip
- GDB to Shapefiles
- Zip NG911 Geodatabase

Validation Tools

- 0 Check NENA ID Format
- 1 Check Template
- 2 Check Address Points
- 3 Check Roads
- 4 Check Boundaries
- 5 Check Additional Layers
- 6 Clear Results Table
- 7 Verify Topology Exceptions
- 7.1 ESB Gap Locations For Topology
- 8 Check All Required

Toolkit was created to check local data

- Credit to Emma Baker and Riley Baird with Oklahoma Department of Transportation (ODOT) for their work
- Credit to ODOT for allowing them to develop it for Oklahoma.
- Patterned after Kansas that has been active for several years.

NGUID Format

Previous Format

(LayerName)_(Local911UniqueID)@(Source).(Steward).(ok.us)

Example: StreetName_45710948fk@edmond.acog.ok.us

Current Format

(LayerName)_(Local911UniqueID)@(Agency_ID)

Example: ROAD_CENTERLINE_24965@psap.5585.ok.gov

State Repository

- Statewide NG9-1-1 Repository of GIS data
 - Route 911 calls in a NG911 environment
 - Sharing of the data is still being worked out
 - Will require secured access

Welcome to the
Oklahoma **9-1-1**
Management Authority



Oklahoma
Geographic Information
Council

Oklahoma NG911 Data Processing

Welcome

Login

Sign Up

The Oklahoma NG911 Portal is a web based content management tool developed by the Oklahoma Office of Geographic Information (OGI) on behalf of the Oklahoma 9-1-1 Management Authority (OK911MA) to support the Oklahoma NG911 Program. It provides a means for members of the OGI, OK911MA, Oklahoma PSAPs and individuals and organizations participating in Oklahoma NG911 Program to facilitate the management and processing of PSAP NG911 data. This will also allow participants to stay informed of the various projects and ongoing work being performed by the PSAPs and contractors.

For more information on the Oklahoma 9-1-1 Management Authority, please visit [our website](#). For more information on the Oklahoma Next Generation 911 (NG911) and Address Standard along with the NG911 GIS Toolkit, please visit [our website](#). For questions about the Oklahoma NG911 Portal, contact [Shelie Willoughby](#).

GIS Repository Training

- 3 Classes were developed
 - GIS Concepts (96 Attendees)
 - GIS Applications (65 Attendees)
 - GIS Sustainability (41 Attendees)
- All classes are available on our YouTube channel



GIS TRAINING
CLASS VIDEOS

STATEWIDE NG9-1-1 GIS TRAINING VIDEOS

B-1: GIS CONCEPTS

B-1: GIS CONCEPTS SLIDES

B-2: GIS APPLICATIONS

B-3: GIS SUSTAINABILITY

MINIMUM TRAINING STANDARDS for CALL TAKERS

\$3.3 MILLION in grant funds...

AUTHORITY MEETING DATES

STATEWIDE NG9-1-1 GIS TRAINING

9 - 1 - 1 GRANT APPLICATIONS

OCTOBER 7th at 1:30PM

9 - 1 - 1 ADDRESS RESOURCES


QUARTER AWARDS NOMINATIONS

COVID-19 RESPONSE RESOURCES

GIS TRAINING GROUP



State Contract of Vendors



Central Purchasing: Division of Office of Management and Enterprise Services (OMES)

Home / Solicitation Search / Solicitation Detail

Solicitation Detail

Please use the 'Notify Me' button to be automatically made aware of any amendments to this particular solicitation. If you would like to be electronically notified of future opportunities for this or other type commodities, you will need to register with Central Purchasing by clicking on 'Vendor Registration' link. [Notify Me](#)

Agency: Central Purchasing Division	Contract Type Non-Mandatory Statewide
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Solicitation Number: SW1177	SW Number: SW1177	Status: Awarded	Closing Date Status: Original
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Description:
Oklahoma NG9-1-1 GIS Data Creation & Maintenance

Buyer:
Cini Zacharia

Closing Date:
12/10/2019

Award Date:
04/23/2020

Contract Period Starting Date: 04/23/2020	Contract Period Ending Date: 04/22/2021
Agreement Period Starting Date: 04/23/2020	Agreement Period Ending Date: 04/22/2022


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- Awarded Solicitations Search
- Cancelled Solicitations Search
- Statewide Contract Search
- Agency Login
- Central Purchasing
- Helpful Hints
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- State of Oklahoma Website




Investment in GIS

- 1.8 million invested into GIS for NG911
 - 394K for Repository
 - 168K for Training
 - 40K for Training Manual
 - 72.5 Author Sourcing
 - 1.1 Million for local GIS upgrades (and growing)

Oklahoma 911 Grants

- Federal Grants are no longer
- State Grants
 - 3.3 Million approved for 2021
 - GIS (80/20)
 - Consolidation (80/20)
 - NG911 (80/20)
 - Training (100)



AUTHORITY MEETING D A T E S	STATEWIDE NG9-1-1 GIS TRAINING	9 - 1 - 1 G R A N T A P P L I C A T I O N S
 OCTOBER 7th at 1:30PM		
9 - 1 - 1 A D D R E S S R E S O U R C E S	QUARTER A W A R D S N O M I N A T I O N S	COVID-19 R E S P O N S E R E S O U R C E S
		

Still Working...

State team & toolkit development

- Lance Terry Oklahoma 9-1-1 Coordinator Management Authority
- Stacy Root Oklahoma 9-1-1 Coordinator Management Authority
- Karen Douglas Oklahoma 9-1-1 Coordinator Management Authority
- Mike Sharp OGI
- Shellie Willoughby OGI
- Mary Harris SWODA
- Jeremy Planteen ODOT
- Emma Baker ODOT
- Riley Baird ODOT
- Gwen Johnson ODOT
- Tanner Jones ACOG
- Barbara Gibson INCOG
- Charles Brady III City of Ardmore

We're here to help!

Questions...

Lance.terry@oem.ok.gov

911@oem.ok.gov

www.ok.gov/911

Post Credit Scene

Special Thanks to these ladies for their patience & crazy awesome organizational skills :

*Karen Douglas
Shellie Willoughby
Stacey Root*

