

Oklahoma NexGen 9-1-1 GIS Update

OKLAHOMA 9-1-1 MANAGEMENT AUTHORITY LANCE TERRY, STATE 911 COORDINATOR MICHAEL COONFIELD, STATE 911 TECHNOLOGY COORDINATOR

Topics for Today



- Recent Legislation/funding
- ► Why a State GIS standard
- Examples

Next Generation 911

Main goals of NG911

- Move away from analog to Internet Protocol (IP)
- ▶ 911 calls go to the right 911 center the first time
- Provide a dispatchable address when the call is answered
 - ▶ Both require accurate and standards based GIS data
- Provide a standard format to facilitate interoperability

Recent State Legislation

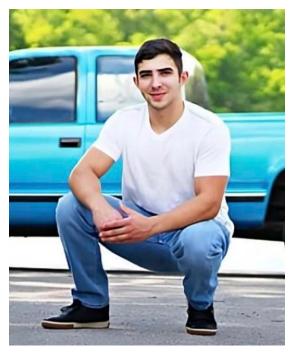
► Hayden Fleming Memorial Act (2023- HB1590)

- Levels the fee for all devices that can call 911 at \$1.25
 - Currently wireless, VoIP and Prepaid are at 75 cents
 - ► Landline is between 40 cents and 5 dollars
- All fees paid to the Oklahoma Tax Commission (no longer local)
- Adds funding to the State to hold a master NG911 Contract
- Mandates training requirements for all 911 operators

Antiquated Analog Technology

- Location information is not automatic and accuracy is moderate at best
- Sheriff Jason Chennault said 22-year-old Haiden Fleming lived north of Beggs, just inside Mayes County.

"When they called 911, the call routed to our 911 Center and they weren't familiar with where he lived and couldn't pull it up on their map," said Chennault. "He ended up passing away before an ambulance got there. An ambulance from Mayes County was eventually sent there and [the family] is suing because of that."



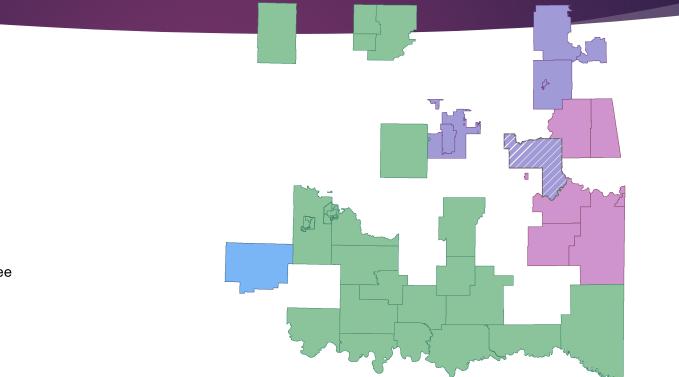
911 Management Authority Rules

- What should the locals be doing?
- ► The state will maintain a GIS repository
- Locals must upload data on a quarterly basis
- We have a stick but do not want to use it.. (§63-2864.4 Escrowing of funds)



Selectable Router Map

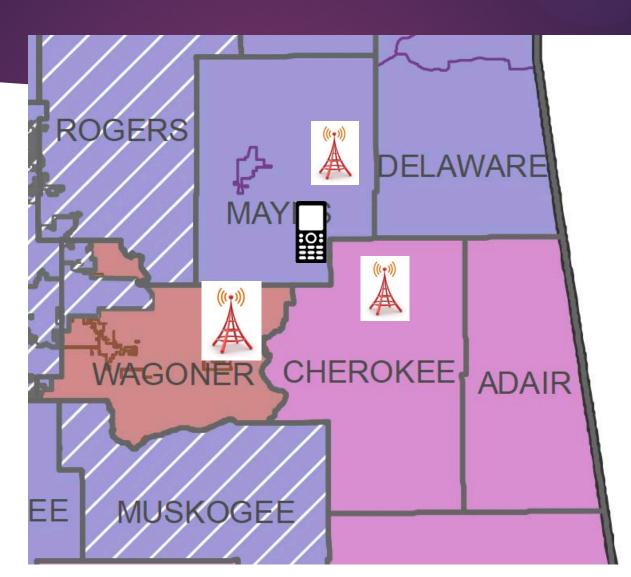




skogee

Current call routing





Next Generation 911

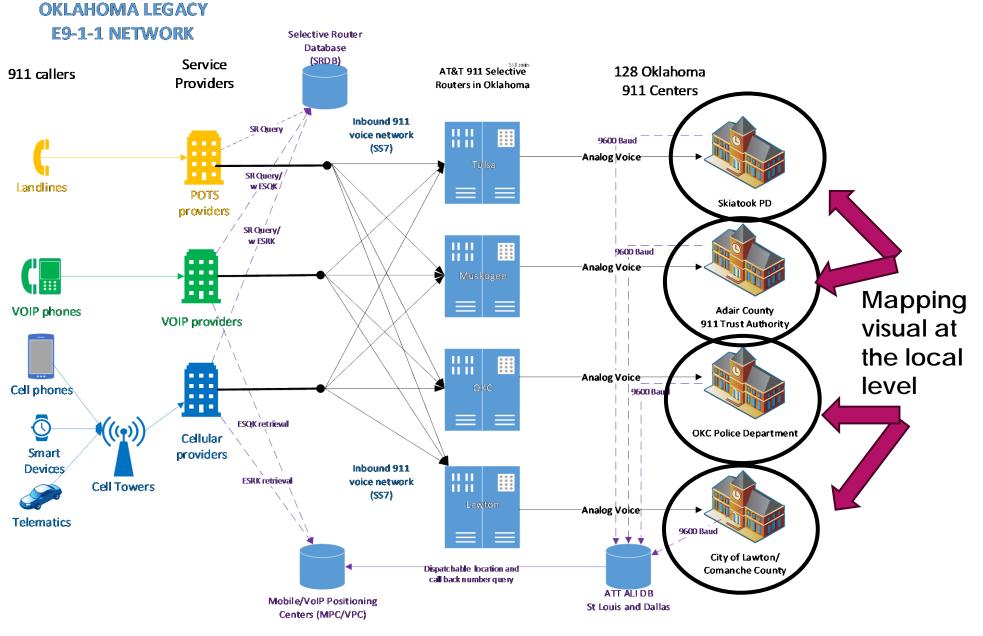
Current struggles

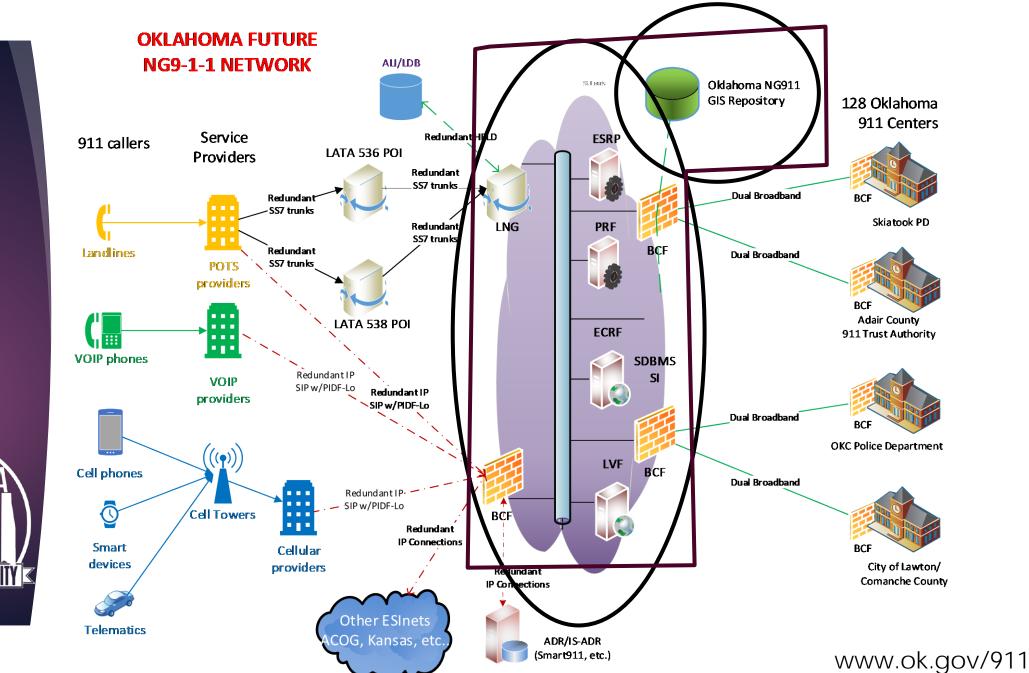
- Islands of 911
- Limitations to Analog
 - Network
 - Working with 21 century devices
- Interoperability inside the State and with neighboring states.
- GIS is inconsistent and locally held



Current Legacy Network



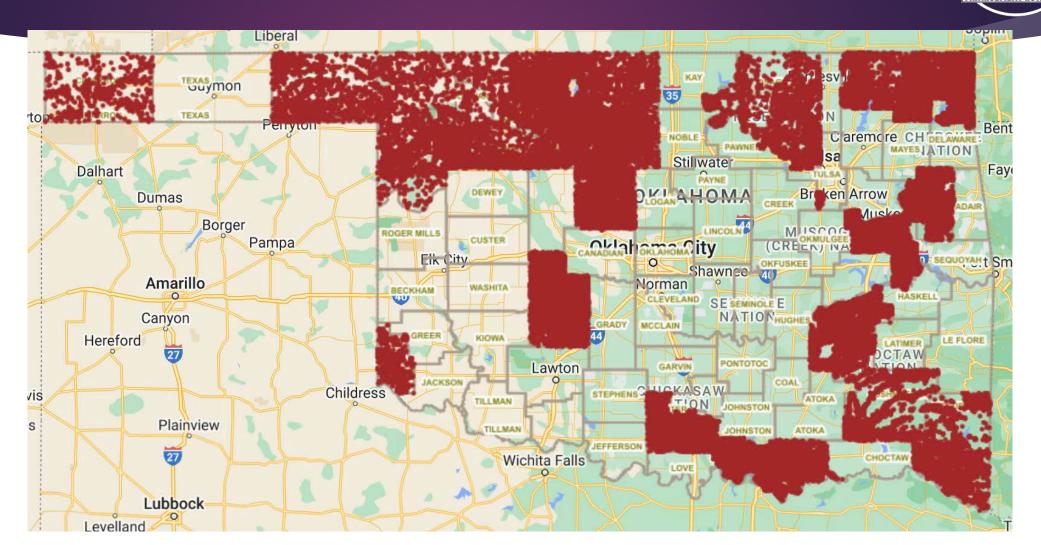




NG911 **Network**



Current GIS Repository



UKLAH





Addressing Issues

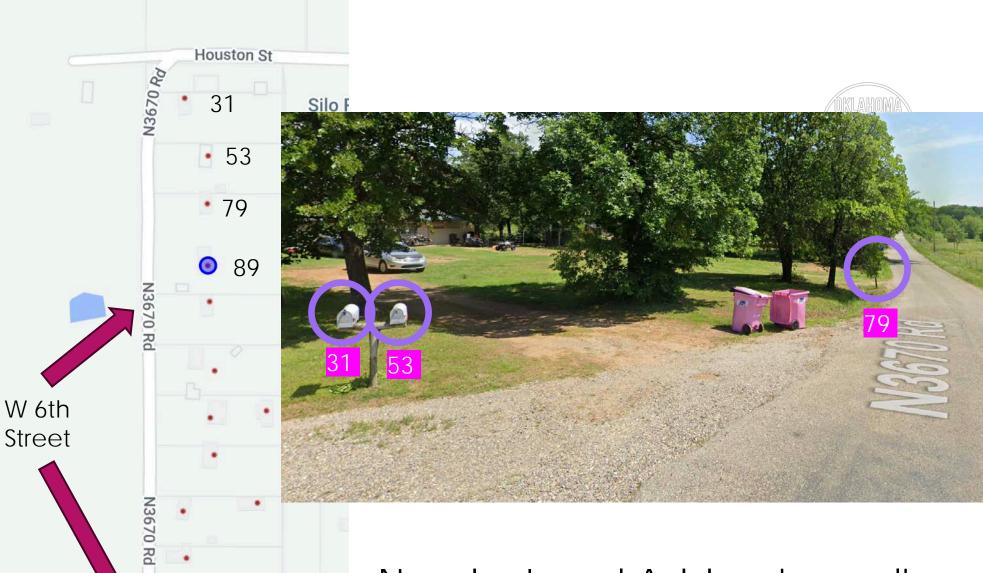
53 W 6th st and 79 W 6th st

State Repository



E2055 Rd

W 6th S



Need a Local Addressing policy

Wireless routing

- Tower in Stephens County
 North sector primary Stephens
- East sector primary Jefferson
- West sector primary Cotton
- They all go Jefferson today.
- Primary contact for wireless routing is Waurika City Clerk but....



Grant funding

► Grants include

- ▶ NG911 80/20
- Consolidation 80/20
- ▶ COOP 80/20
- ► Training 100
- ► GIS 100
 - ► 6 vendors on State contract



GIS Interim Study

- ► DATE: Wednesday 10/4/2023
- ► TIME: 08:00 AM
- PLACE: Room 206
- ► BY REPRESENTATIVE(S): Rosecrants, Jacob
- ► TOPIC OF THE PROPOSAL:

Geographic Information Systems (GIS) and geography education and their Place in 21st Century Oklahoma Workforce.

EXPLANATORY COMMENTS ON THE SCOPE OF THE STUDY PROPOSAL:

Will be bringing in leadership of Oklahoma Alliance for Geographic Education (OKAGE) and others in the GIS/geography field to speak about the importance of a robust GIS workforce for the overall economy of Oklahoma. Our goal is to restore previous appropriations to OKAGE.

Questions??



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