



January 2016 Newsletter 1.01

OKPSBN Welcomes FirstNet Consultation Huge Success!

After months of planning and organization, the Oklahoma Public Safety Broadband Network (OKPSBN) team welcomed FirstNet to Oklahoma on October 28, 2015 for the Initial Consultation visit. The objective of the meeting was to introduce FirstNet to the Oklahoma First Responder community, and to acquaint FirstNet with the unique hurdles/weather/environments that we face in Oklahoma. By any measure, the consultation was a huge success. With 177 attendees, Oklahoma hosted the largest of all state consultation meetings and provided the stage for questions/interaction with the 10-member FirstNet team led by Jeremy Zollo, Deputy Director State Consultation.

Bo Reese, the Oklahoma State CIO, introduced Ben Gherezgiher, Oklahoma's Single Point of Contact (SPOC) appointed by the Governor, who set the tone for the day with an introduction to the OKPSBN, FirstNet and the concepts around a First Responder-only network and the impact it will have on how First Responders do their job in the future. Jeremy Zollo introduced his team, and mentioned that the turnout for this meeting was by far the largest they had seen, and thanked everyone for the



Sheriff Charlie Hanger explaining the capture of Timothy McVeigh

extra effort to come from every corner of the state and first responder community to participate in the session. (Thank you, Jana Wallace, PTCI, for travelling the farthest!!) He gave an update on what FirstNet is doing nationally and what the process will be to implement and then participate in the network.

During lunch, the Oklahoma City Memorial Museum presented a video especially produced for the event. Many

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October 28, 2015 Oklahoma/FirstNet Consultation



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of the people in the room were first responders to that incident; it was a very moving presentation and brought home the purpose of the network and what improved communications systems can do to prevent or mitigate disasters of that magnitude.

After a brief moment of silence, Sheriff Charlie Hanger gave a firsthand account of the finding and capture of Timothy McVeigh. Sheriff Hanger was an Oklahoma Highway Patrolman at the time, and recounted minute by minute what information was flowing, the good and the bad, and how it came down to a routine traffic stop. Thank you Sheriff Hanger, for your work ethic on that day and for sharing your story with our guests.

The OKPSBN team organized a series of speakers that brought firsthand operational information to the attendees by relating how they do business with commercial broadband and the positive effect it has had on efficiency and productivity.

John Comstock, a member of Oklahoma County's Emergency Management team provided numerous instances where broadband connectivity proves necessary during tornado and other large scale disasters. He explained that FirstNet's services will provide a higher trust factor of reliability and capacity while also allowing more devices to be purchased leading to a better disaster response and potential lives saved. Randy Wesley, a member of the Chickasaw Tribal Police Department explained how emergency communications and broadband connectivity can play a major part in tribal public safety affairs. Evacuation plans, threat evaluation and tactical response to incidents all require the ability to obtain a steady stream of reliable information. Mark Goeller from Forestry Services provided detailed information on broadband connectivity's importance during wildland fires in Oklahoma. A key note

Broadband connectivity could allow first responders to track the movement of the fire in real time while also providing constant monitoring of first responder vitals and location in



Early registration October 27th

case emergency evacuation becomes necessary.

Sheriff Joe Lester of the Cleveland County Sheriff's Department presented on behalf of law enforcement and addressed their need for broadband connectivity which included two applications that are used routinely by the department. He also went on to explain that priority and preemption over the network would provide law enforcement with necessary connectivity during large scale events (such as college football games) which commercial carriers do not.

FirstNet's closing presentation focused on Oklahoma's data collection activities and the purpose behind the elements. FirstNet stated that many types of data have been collected throughout the project - in many dif-



Oklahoma and FirstNet Discussion Panel

ferences leading to injuries/fatalities.

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ferent formats, each point, line and polygon will be evaluated and utilized to develop 1-mile grids to identify areas of interest to public safety.

To close the consultation, a discussion panel was organized to allow attendees to request information from state representatives as well as the FirstNet team. State representatives included: Colonel Ricky Adams, Oklahoma Highway Patrol; Chief Keith Bryant, Oklahoma City Fire Department; Rick Burke, Televate (the Oklahoma consultant); Ben Gherezgiher, OKPSBN (SPOC); Scott Sproat, Oklahoma Department of Health and Ray Simpson representing Emergency Medical Services providers.

Thank you to our speakers, our OKPSBN team, FirstNet, Televate and all Stakeholders who committed their time to ensure that the state of Oklahoma continues to be an integral player as the nation moves forward building the only truly reliable, public safety broadband network for first responders and the citizens they serve.

On behalf of the Steering Committee, we encourage you to continue the dialogue with us and other public safety entities (PSEs) within the state.

Data Collection Elements

On September 30th, the State of Oklahoma delivered to FirstNet a comprehensive data package designed to identify Oklahoma's requirements for the Nationwide Public Safety Broadband Network (NPSBN) implementation in the state, and to support FirstNet's Request for Proposal (RFP). This includes the State's coverage objectives and five-phase deployment strategy; user population data for Oklahoma public safety agencies; device types and counts; heat maps representing calls for service; application usage; data usage; wireless provider and expenditure information; and barriers to mobile

data adoption.

Coverage Review Status

As of January 1, 2016, we had conducted Coverage Reviews with 37 counties and 3 tribes (Choctaw Nation, Chickasaw Nation and Osage Nation). The purpose of these meetings is to identify your needs, how you use your network, and areas in each county where first responders need wireless coverage. This includes:

- Critical service areas (highest priority)
- Required service areas (minimum service area required to adopt the service)
- Extended service areas (where service is wanted, but currently insufficient or nonexistent)

The Coverage Review results in a detailed map of service areas and points of interest. The maps are aggregated to provide a complete picture of the State's requirements. These Coverage Reviews have resulted in some key observations. Many counties have informed us they have significant areas that are currently not served and / or underserved, especially in rural areas. In reality, their coverage is less extensive than what is portrayed in carrier-published coverage maps.

Though we have submitted data to FirstNet for almost 30% of the counties and 3 of the tribes, we will continue to collect data to provide FirstNet with more information to assist with the proper development of Oklahoma's public safety broadband network. We look forward to scheduling meetings with all the remaining counties and tribes in order to identify your areas of need. We will continue to reach out and schedule your meetings, but please feel free to contact the OKPSBN Project Team if your county or tribal PSE has not yet participated in a Coverage Review.

Please visit www.okpsbn.ok.gov to be added to our growing database of First Responders/State and Local governments/Tribal/Public Safety organizations, etc. Keep up-to-date on all processes and events related to the public safety broadband initiative.



User Population Survey

With over 200 completed survey's, the OKPSBN used US census data to supplement personnel and device counts for the majority of public safety agencies within Oklahoma. Data collection does not stop at this point as the OKPSBN team will continue to provide FirstNet with new data to ensure that Oklahoma has properly represented each individual agency. Providing correct personnel, vehicle and device counts for each area will allow the OKPSBN to geographically assess the potential network traffic that public safety creates. To compensate for the amount of traffic, FirstNet will be able to deploy a network robust enough to provide public safety grade broadband connectivity. The goal is to have all first responders in the state submit a survey response. Link to survey:

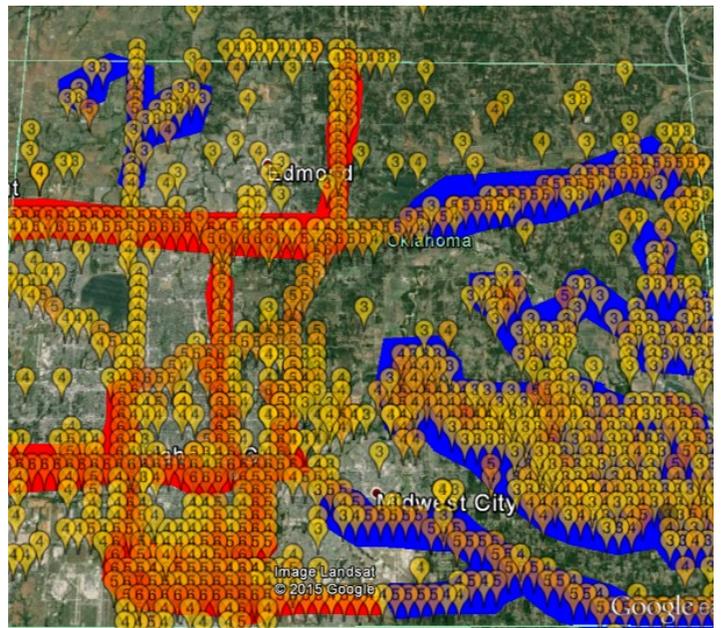
https://www.surveymonkey.com/r/OKPSBN_USERPOP

CAD Data

FirstNet requested that each state provide Computer Aided Dispatch data as part of the data submission package submitted September 30, 2015 in support of the Request for Proposal. The RFP is being issued to find a partner for FirstNet that will provide the broadband data service to first responders across the country. The RFP process includes the establishment of a library of data from each state that prospective bidders, and eventually, the contract winner, can draw on to determine coverage areas for the new network.

The CAD data, when aggregated across a geographic area, shows where calls for service occurred over a given time period. In our case, three years of data was requested from public safety agencies that have the data, the remainder coming from the OHP and ODIS databases. This data has been plotted to ½ mile square "bins" to create a heat map of calls for service versus location. Using color intensity from yellow to red, high call service areas show more red or heat.

FirstNet intends to use the high call service areas as a guide to prioritizing coverage areas using the logic that the more calls for service means the higher the need for coverage. The map with the data collected so far, shows the coverage intense areas, which correlate to population centers and major transportation corridors. Data is still being collected, if we don't have yours, please contact Ian Ross, the OKPSBN Project Coordinator at ross@televate.com.



Portion of heat map generated for central Oklahoma. A full, interactive heat map can be viewed on the okpsbn.ok.gov website.

Enlarged to show detail. The numbers within the balloons indicate number of calls at that location during specific timeframe.





Outreach and Education Round 2

After completing the first round of Outreach and Education sessions, the OKPSBN is now preparing its 2016/17 calendar of outreach dates and locations. To expand the outreach for new stakeholders, this round of sessions will include not only first responders, but local COG's, county commissioners, public works, PSE's and supporters at all levels of government, educational institutions, as well as, utilities and phone companies.

The sessions will provide the audience with an introduction to FirstNet, and overview of progress to date by the OKPSBN and FirstNet, status of the RFP, and a great opportunity to ask questions and get a full understanding of the capabilities of the network and the operating model.

Please visit the OKPSBN for outreach and education meeting official dates and locations. This website is also a good resource to schedule a training session specifically for your tribe/organization, obtain digital copies of all presentation materials, submit questions, see what other states in our region are doing and more. Please take advantage of this tool to see how the OKPSBN can further assist your team!

Work Groups Coming Up

One of the next steps in the Project is to establish work groups to accomplish specific tasks and prepare for the implementation of the network. These work groups include Governance, Priority and Preemption, Technical Services, and Tribal.

- The Governance group will review and advise the OKPSBN on the proposed charter and governance plan.
- The Priority and Preemption group will be looking at establishing policy and procedure for invoking a preemption or priority request for network resources.
- Technical Services will be assessing technology, hardware, and applications for technical issues and interoperability with the network and its users.
- The Tribal work group will be charged with the development of working relationships with all the tribes in Oklahoma, and to develop tribal representation and interaction with the OKPSBN.

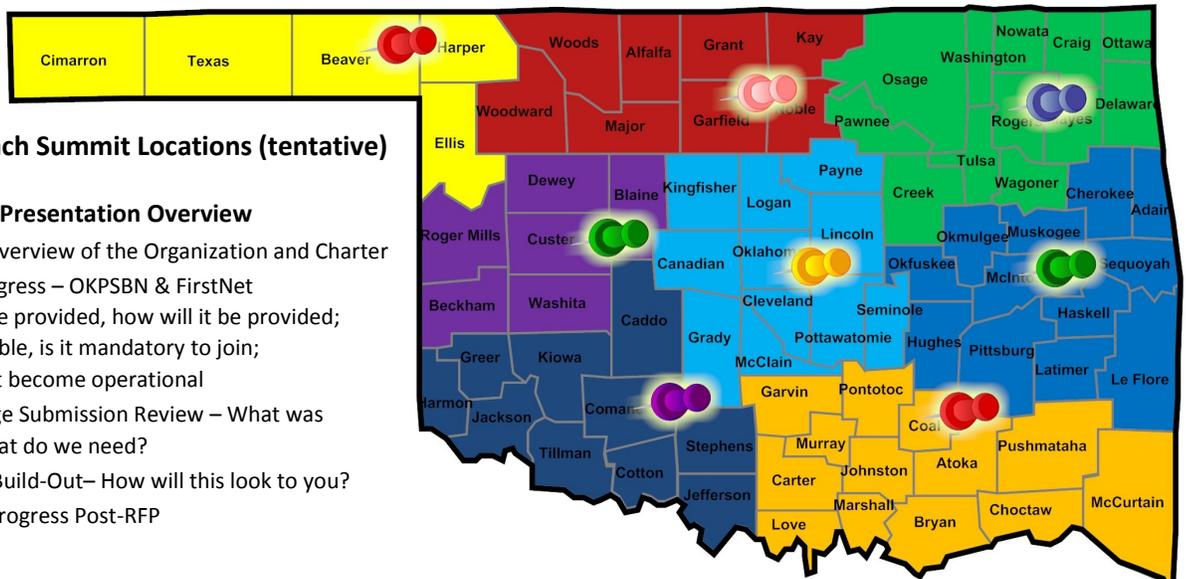
Volunteers are needed for each of these groups. If you

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Round 2 Outreach Summit Locations (tentative)

Presentation Overview

- FirstNet – Overview of the Organization and Charter
- Current Progress – OKPSBN & FirstNet
What will be provided, how will it be provided;
Who is eligible, is it mandatory to join;
When will it become operational
- Data Package Submission Review – What was learned, what do we need?
- Five Phase Build-Out– How will this look to you?
- Update of Progress Post-RFP





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would be interested in participating as a member of any one (or more) of these working groups or want to learn more details of how these groups will benefit the broadband efforts within the state of Oklahoma, please visit us online at www.okpsbn.ok.gov

FirstNet Update

FirstNet RFP Released

The FirstNet Board has officially released their Request for Proposals (RFP) for the building, operation, and maintenance of the Nationwide Public Safety Broadband Network. Following the draft period and request for public comment, the FirstNet Board authorized the release of the official RFP on December 9, 2015. Reception of the release has been positive with many interested parties from across the industry currently reviewing the RFP. FirstNet is now awaiting responses to the RFP from those interested parties. The RFP is currently open for response with an estimated 12 to 16 months before an actual contract is awarded.

Region VI Coordinator Named

FirstNet is proud to announce that Jacqueline Miller-Waring has been named the Region VI Outreach Coordinator for FirstNet. Jacqueline is the former Deputy Secretary for the New Mexico Department of Information Technology where she served as the New Mexico Statewide Interoperability Coordinator (SWIC) and the New Mexico Special Point of Contact (SPOC) for FirstNet. In her new position, Jacqueline will be promoting the Outreach Efforts of FirstNet throughout Region VI, working with each State's SPOC to promote the FirstNet Initiatives.

Your OKPSBN Project Team

You are encouraged to contact the project team at any time! We would be happy to answer your questions/hear your concerns.

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For more information on the OKPSBN, the NPSBN and FirstNet, please visit the OKPSBN website

www.okpsbn.ok.gov