



Introduction to the OKPSBN Project

May 2015 Newsletter 4.01

As First Responders in Oklahoma, we know first hand what communications can mean in a disaster situation. The State of Oklahoma has been awarded a grant from the National Telecommunications and Information Administration (NTIA) through a new government agency called FirstNet (First Responder Network Authority) to develop a comprehensive plan to facilitate the implementation of the Oklahoma segment of the Nationwide Public Safety Broadband Network (NPSBN), a broadband mobile data network for the exclusive use of First Responders. The State and Local Implementation Grant Program (SLIGP) is a nationwide planning program for the states and territories to determine their requirements to implement the network, and

to prepare for consultation with FirstNet. Oklahoma is embarking on this project with Televate, LLC, a public safety telecommunications consulting firm recently retained to support the State in advancing the SLIGP work already in progress.

The FirstNet broadband network will be built to Public Safety grade standards for robustness and reliability, and will be anchored on the 4G LTE wireless protocol that is now standard in the cellular communications industry. FirstNet has initial funding of \$7B that was raised from Federal Communications Commission (FCC) radio spectrum auctions.

The basic premise of the SLIGP project is to develop a comprehensive list of state and territory stakeholders, in-

cluding tribal nation contacts, provide FirstNet capability education, survey the stakeholders to determine their data application operational requirements, calculate the capacity needs of the proposed network, assess any existing assets that could be utilized in the new network, assess governance, and to prepare a strategic plan to guide consultation with FirstNet to determine the FirstNet implementation strategy within the State. The Oklahoma Public Safety Broadband Network (OKPSBN) plan will gather stakeholder contact information, conduct outreach, determine needs for the data network (numbers of users and devices, what kind of data, and where they need coverage), and poll stakeholders by an automated survey system to gather the data quickly and consistently. The data gathering progress will be shared on the OKPSBN website in a dashboard format so that all the stakeholders are kept up to date through the life of the project. The success of the OKPSBN Project will depend on the ongoing cooperation and support from all the potential users of the network. Responding quickly and accurately to the surveys and coverage assessment inquiries is extremely important for ensuring that the network is designed to end-user requirements. Clearly, the accuracy of information provided today, will help ensure the integrity of our system in the future.



Moore, OK (2013)



Intro to the OKPSBN Project (cont.)

To gather accurate information quickly, the state will be subdivided into nine regions, each region having a lead contact. The lead contact will assist with identifying appropriate stakeholder contacts, will facilitate Outreach and Education meetings, and work with the project team to ensure that all stakeholders are provided an opportunity to participate.

usable current communications systems and service providers. FirstNet has much to do in little time; assess existing assets to determine what is available for use in the network, locate gaps in coverage and backhaul, find solutions for those gaps, come up with a plan to sustainably fund the



Intro to FirstNet

Three years ago, on February 22, 2012, Congress passed and the President signed into law an act that provides for a nationwide public safety broadband network. The act included funding of \$7B, and 20 MHz of spectrum in the 700 MHz band for the exclusive use of first responders nationwide. The National Public Safety Broadband Network (NPSBN) is managed through the Department of Commerce, National Telecommunications and Information Agency (NTIA), organized along a corporate structure, and known as FirstNet. FirstNet is charged with developing and operating the nationwide network from commercially available components utilizing the LTE 4G mobile communications standard. The plan is to provide First Responders with a dedicated private network that is built to public safety standards, providing a robust and resilient network across the country. The plan would mitigate interoperability issues and reliance on commercial communications networks that have plagued first responders. This is especially evident during an incident or event which overloads or renders un-



network, and then get it built. The first step that FirstNet has taken is the issuing of the State and Local Implementation Grant Program, known as SLIG-P. The grant program distributed \$137M to 55 states and territories for specific data gathering efforts and to prepare first responders for the upcoming network. Oklahoma has established its Public Safety Broadband Network steering committee, the OKPSBN, to address the requirements of the SLIPG-P and develop Oklahoma's part of the national network. FirstNet will be coming to Oklahoma for a consultation with the OKPSBN, key agencies, and interested parties to develop a coverage plan for the state. FirstNet is doing this around the country, with each state and territory to determine coverage needs, and subscriber uptake. The result of these consultations will be a network design that covers as much of the population and key areas as possible.



FirstNet Data Collection Elements

FirstNet has released a draft of their required data collection elements that identify the specific data collection information. The required Oklahoma data elements will be collected by utilizing an online survey. The survey requests some general information from respondents, and takes a deeper dive into specific agency data and requirements. FirstNet will take our data, propose an implementation plan for Oklahoma during the Consultation Process and then will form the foundation of the State's strategic plan.

User Population Survey

The User Population Survey (User POP) is a key component for quantifying the user base as well as for identifying potential barriers to FirstNet adoption. The Project Team will be sending the survey to every state, tribal, local, and county public safety entity (PSE) within the State. Moving forward, the Team will continue to work with the Police and Fire Chiefs, Sheriffs, Emergency Managers and 9-1-1 Coordinators to solicit responses from each PSE.

Completing this survey is important for a number of reasons:

- It is a requirement of the SLIGP program and a key marker in the FirstNet consultation process
- Your responses underlie and support the development of the State's OKPSBN strategic plan
- It identifies preferred device types to ensure their availability on the FirstNet network

About Televate the OKPSBN Project Consultant

Founded in 2001, Televate is a leading engineering consultancy delivering innovative tactical and technical communications and IT services and solutions for public safety and critical infrastructure industries. Our technology and program management experts design sustainable, interoperable land mobile radio, wireless broadband networks and applications, and advance information technology solutions. Televate is a national leader within the public safety wireless broadband community, and is supporting a number of states with their respective SLIGP projects. For additional information on Televate, please visit www.televate.com.

Televate Expertise

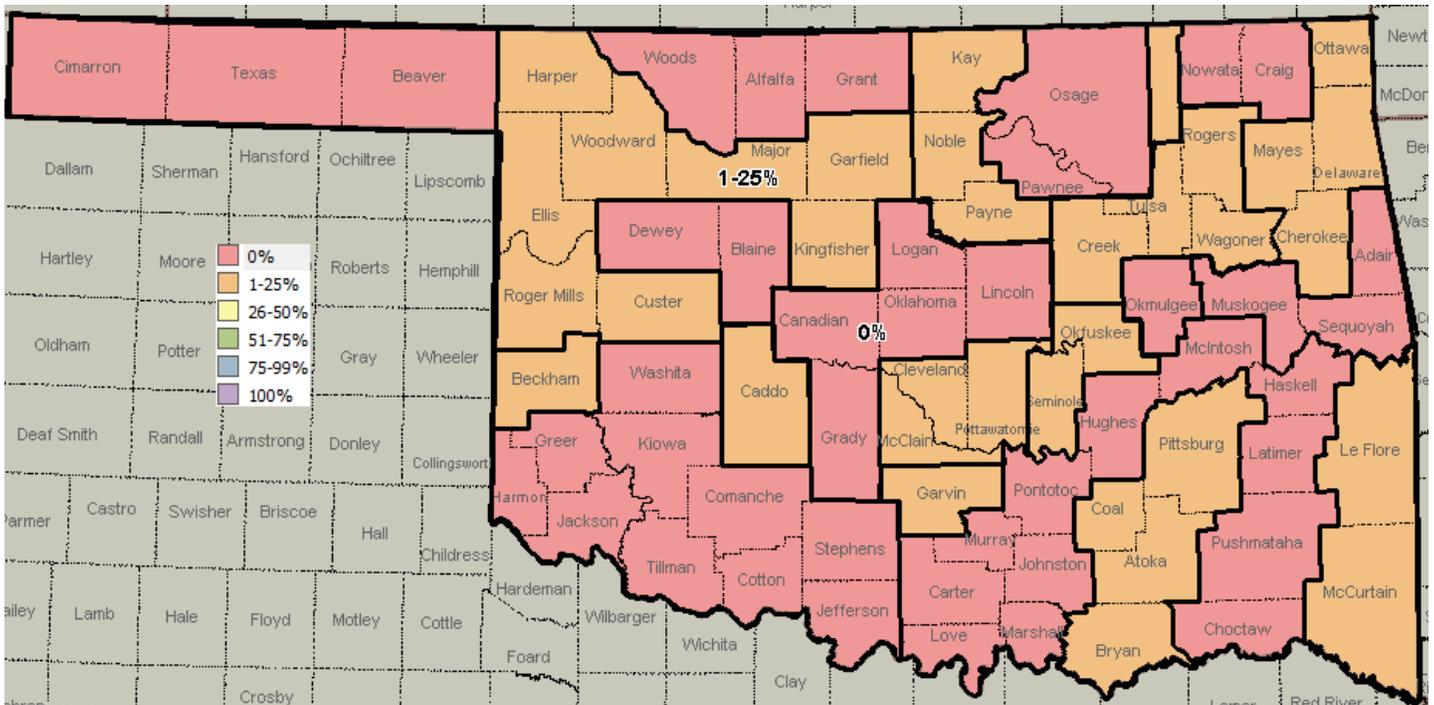
- Broadband Networks (700 MHz, 4.9 GHz, LTE, WiFi, Microwave, Fiber)
- Land Mobile Radio (P25 Voice & Data, Narrowbanding, RF Testing)
- Public Safety Applications: (CAD/AVL, Field Reporting, RoIP, mobile data CCTV (Fixed and Mobile))
- Interoperable Voice and Data Communications
- Strategic planning and cost modeling
- It will identify barriers to adoption for potential future grant opportunities



The image below illustrates the current status of User POP completion rate. The progress of the project will be updated on the OKPSBN web site. Participation ensures that your feedback is included, so please make every effort to complete the survey. The survey link is provided below.

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

User Population Survey Completion Tracking





Upcoming Meetings / Training Schedule

- **June 16, 2015– Muskogee Civic Center, Muskogee, OK**

Tulsa, Wagoner, Cherokee, McIntosh, Muskogee, Okmulgee, Okfuskee, Pittsburg and Adair counties

- **June 23, 2015– Location Gordon Cooper Technology, Shawnee, OK**

Pottawatomie, Seminole, Lincoln, Okfuskee, Oklahoma, Pontotoc and Cleveland counties

- **June 24, 2015– Redlands Community College,**

El Reno, OK

Canadian, Oklahoma, Kingfisher, Blaine, Caddo, Logan and Grady counties

- **2015 – Location TBD, McAlester, OK**

Atoka, Pushmataha, Coal, Hughes, McIntosh, Haskell, Pittsburg and Latimer counties

- **2015 – Location TBD, Oklahoma City, OK**

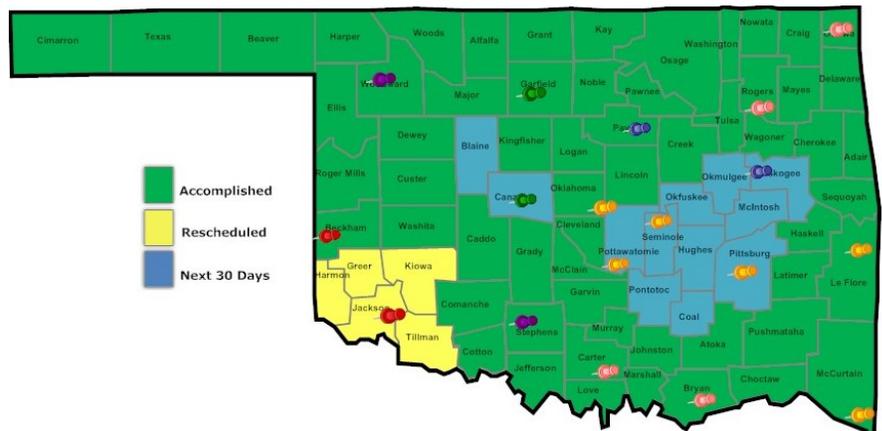
Oklahoma County

- **2015 – Location TBD, Tulsa, OK**

Tulsa County

Please register online at www.OKPSBN.ok.gov by clicking on “calendar” in the upper right corner. Please note that you may attend any scheduled event regardless of county.

Meeting/Training Progress by County



Your OKPSBN Project Team

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

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For more information on the OKPSBN, the NPSBN and FirstNet, please visit the OKPSBN website for all project news and access to in-depth training modules on this subject and others:

http://www.ok.gov/publicsafetybroadband/Public_Safety_Broadband/OKPSBN_Charter/index.html