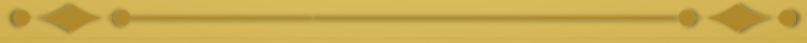


Planning for FirstNet in Tennessee



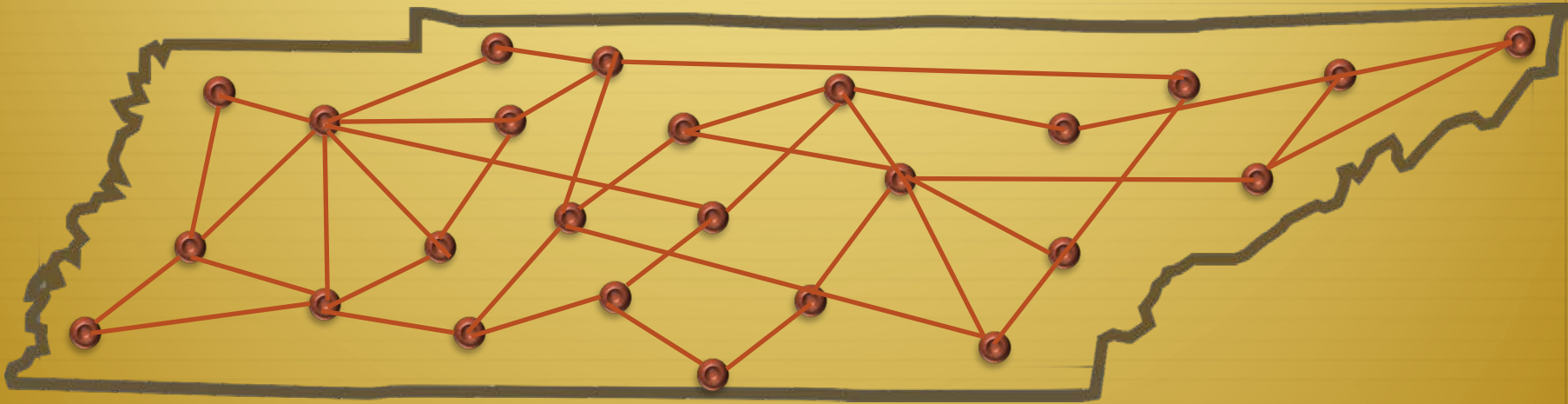
FirstNetTM





What is FirstNet?

Opportunity

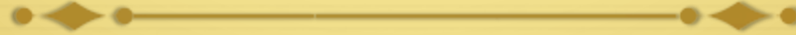


The Promise of FirstNet



- First high-speed wireless broadband data network dedicated to public safety – *Carrier Liability*
- Single, nationwide network that facilitates communication for public safety users – during emergency and on the job every day
- Public safety grade
- Provide access to applications
- Coverage where public safety needs it most

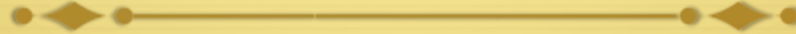
TN-CNECT



Tennessee Consolidated Network for
Emergency Communications and
Technology



TN-CNECT



Our efforts to build an interoperable communications network in
Tennessee **FOR** Tennessee

Why?



- ✦ Public Safety has been asking for almost 20 years
- ✦ 9/11 Commission
- ✦ Priority Access
- ✦ Carrier Liability
- ✦ Carrier Model is NOT public safety grade – Boston Bombing
- ✦ **Coverage & Speed** **VS** **Coverage & Capacity**

What?



- ✦ Data and Voice – 4g LTE data, 3G voice initially
- ✦ Applications
- ✦ Coverage – **where public safety needs it**
- ✦ Modular, On-scene Access – **how public safety needs it - CAPACITY**
- ✦ Priority Access – **when public safety needs it**

How?



✦ 7 Billion

AWS - \$45 billion

✦ 20 MHz of the 700 MHz spectrum

✦ Public Private Partnership

✦ 3 tier approach

Satellite

Terrestrial

Deployables

How?



- ✦ PSCR
 - ✦ 95/5
 - ✦ Range Testing
 - ✦ Priority Access
 - ✦ Authentication
 - ✦ Early Adopters

When?



2014 – 2016

- ✦ Business Plan
- ✦ Outreach and Education
- ✦ Collect Data
- ✦ Develop and award supplier RFP
- ✦ Establish Core Network

2016 +

State Plan
delivered

Governor reviews

Begin build-out in
Opt-In states

2022

Last Spectrum Auction

Network substantially in operation

Why so long?



- ✦ Carriers – “READY TODAY, JUST SUBSCRIBE”
- ✦ Truth is....
 - ✦ LTE was not designed to be mission critical, but for TELCOs to efficiently carry data
 - ✦ Will take 2-3 to make LTE public safety grade
- ✦ What’s missing?
 - ✦ MC PTT
 - ✦ Direct Mode
 - ✦ Group Mode

How Much?



- ✦ Not Set
- ✦ Competitive
- ✦ Many Factors

What Now?



✦ Initial Consultation Phase

- Began in May 2013 – six regional workshops
- Opportunity to provide feedback, requirements, priorities, and concerns to FirstNet
- Individual State visits began in July 2014.
 - 17 states including Puerto Rico so far.
- Iterative process to develop State Plan

What Now?



- ✦ Governance
- ✦ Outreach and Education
- ✦ Data Collection
 - ✦ Current wireless infrastructure
 - ✦ Potential number of users
 - ✦ Legal barriers
 - ✦ Coverage
 - ✦ Eligible Users
 - ✦ Major State Events

State Plan



Consultation will result in State Plan

Delivered to Governor

**How WE want
the network
built**

Opt-In or Opt-Out

Stay connected with TNCNECT

TENNESSEE CONSOLIDATED NETWORK FOR EMERGENCY COMMUNICATIONS AND TECHNOLOGY

HOME REGISTER / MEMBER LOGIN

Search for site...

Welcome to Tennessee CNECT!

We are Tennessee's strategy for connecting with the Nationwide Public Safety Broadband Network—called **FirstNet**. We are working to provide an interoperable, state-wide public safety data network linking public safety agencies across the state.

Agencies benefiting from this program will likely include:

- Law Enforcement • Fire Services • Emergency Management • Emergency Medical Services • Health Services • Public Works

But most of all, once this network is in place and is working efficiently, the residents of the Great State of Tennessee will benefit from it! Our mission is to provide a statewide strategic planning framework for an innovative, inclusive, scalable, sustainable, and well-managed infrastructure that promotes FirstNet requirements and public safety for the residents and visitors of the State of Tennessee.

About FirstNet

FirstNet will fulfill a promise made in First responders after 9/11 that they would have the technology they need to stay safe and do their jobs. By legislative mandate, FirstNet will establish a nationwide, interoperable public safety broadband network dedicated for first responders. This network will carry high-speed data, location information, images, and eventually streaming video...

About Tennessee CNECT

Tennessee CNECT is a multi-year program designed to provide a framework for Tennessee First Responders to work with the First Responder Network Authority (FirstNet) in the design efforts for the nation's First Public Safety Broadband Network. The goal of this program is to facilitate collaboration between Tennessee's public safety community and FirstNet...

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Calendar

WACB

Upcoming Events

- Tennessee Emergency Management, Emergency Services, Coordinator Meeting, Wed Dec 3, 2014 8:00 AM - Fri Dec 5, 2014 5:00 PM
- Continental Electronics Show (CES), Las Vegas, 2015 9:00 AM - Fri Jan 9, 2015 5:00 PM
- National Wireless Communications Show (NWCS), Las Vegas, 2015 9:00 AM - Fri Jan 9, 2015 5:00 PM
- FWA EVENT LIST

Our Tweets

www.tncnect.net

TN FirstNet

Official Twitter account for the Tennessee Consolidated Network for Emergency Communications and Technology (TNCNECT), in cooperation with FirstNet.

123 Followers

134 Retweets

21 Tweets

Profile picture: TN CNECT logo

Website: www.tncnect.net

Recent Tweets:

- Nichole Lawrence (@NicLawrenceTDOT) Retweeted @MFAult: @TDOT wants you to vote on your favorite message!
- U.S. Commerce Dept. (@commerce) Retweeted @Brandenburg: announced in the electricity of the 21st century. t.co/ykVt8D
- U.S. Commerce Dept. (@commerce) Retweeted @Edison: "I have not found 10,000 ways that won't work." - Thomas Edison
- Google: drones, balloons could use new spectrum for Internet Access - possible if market solution v/f. t.co/4dLk8t9m

@TNCNECT

facebook

Email or Phone Password

Keep me logged in Forgot your password? Log In

TN CNECT is on Facebook.

To connect with TN CNECT, sign up for Facebook today.

Sign Up Log In

TN CNECT
Government Organization

Timeline About Photos Likes More

15 likes

Retweeted Nichole Lawrence (@NicLawrenceTDOT): <http://t.co/mcN8N3Bu> #TDOT wants you to vote on your favorite message!

Message Sign Contest - Tennessee Department of Transportation

Message Sign Contest - Tennessee Department of Transportation

Facebook.com/tncnect

Broadband Conferences



✦ **West Tennessee**

✦ February 25 & 26, 2015 – Pickwick Land State Park

✦ **East Tennessee**

✦ March 11 & 12, 2015 – Fall Creek Falls State Park

✦ **Middle Tennessee**

✦ March 25 & 26, 2015 – Montgomery Bell State Park

Questions



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