

Washington State Interoperability Executive Committee (SIEC)

Bill Schrier, Chair



FIRSTNET IN WASHINGTON STATE

APCO-NENA WASHINGTON

26 JUNE 2014

**This ain't your
Grandma's
PowerPoint
Presentation
... because ...**



FirstNet Ain't Your Grandpa's Public Safety Network



Today

- **SIEC: State Interoperability Committee**
- **FirstNet: a nationwide wireless network**
- **How do telecommunicators and responders communicate in Washington today?**
- **Challenges you face**
- **Building FirstNet in Washington State**
- **What we need from you: Getting involved**

Bill Schrier

- **Chair, Washington State Interoperability Executive Committee (SIEC)**
- **Former Chief Technology Officer, City of Seattle**
- **Chair, APCO Broadband Committee**
- **Former Police Officer**
- **Retired, U. S. Army Reserve, Corps of Engineers**



Introductions



Introductions



- **Your Name**
- **How much do you know about FirstNet, scale of 1-10:**
 - **1 = Not much, that's why I'm here!**
 - **5 = A fair amount**
 - **10 = I'm tired of hearing Bill Schrier talk about it – what's new?**
- **One thing you want to learn today.**



Washington State Interoperability Executive Committee (SIEC)



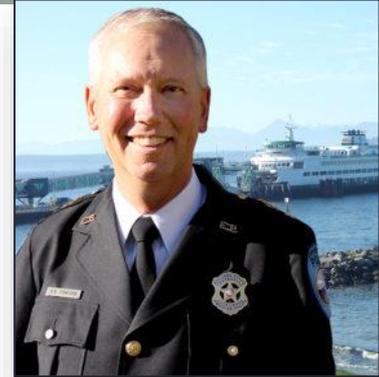
SIEC



- **State Interoperability Executive Committee**
- **Oversees interoperability for state agency radio networks**
- **Concerned about interoperability statewide for responders**
- **Designated by Governor Inslee as FirstNet Point of Contact**

SIEC

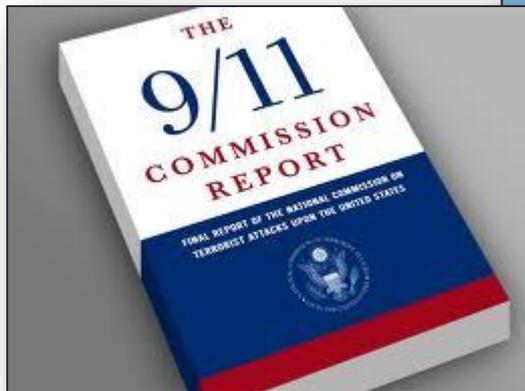
- **Fifteen Members include:**
 - **Chief Al Compaan, Edmonds**
 - **Chief Jim Sharp, West Pierce**
 - **Clallam County Commissioner Mike Doherty**
 - **Patti Kelly, Whitcom 911 Director**
 - **Bill Benedict, Clallam County Sheriff**
 - **Stephanie Fritts, EM Director**
 - **WSP Chief John Batiste**
 - **Adjutant General Bret Daugherty**





The First Responders Network Authority (FirstNet)

23 : 343



September, 2011



Nine Major Unfinished 9/11 Commission Recommendations



“We support the immediate allocation of the D-block spectrum to public safety and the construction of a nationwide, interoperable broadband network.”

February, 2012

Congress Acts



Spectrum Act of 2012

WHITE PAPER

D BLOCK SPECTRUM ACT AND THE FIRSTNET BROADBAND NETWORK

WHAT DOES IT ALL MEAN?



- **First Responder Network Authority**
- **A Federal Government Agency**
- **Funded: \$7 billion from spectrum sales**
- **Is licensed to use 20 MHz of spectrum in the 700 MHz band**
- **Will use LTE technology (Verizon, AT&T etc.)**
- **LTE = long term evolution**
- **A “data only” network today with cell calling**
- **Must produce a design for each State**
- **Governor must “opt in” or out of the design**



**A nationwide, wireless
broadband, 4G/LTE
data network
dedicated
to public safety**

“Public Safety” includes:

- **Emergency Medical Services, Firefighters, Law Enforcement**
- **Emergency Management**
- **Public Health**
- **Public Works**
- **Transportation**
- **Tribal Nations**
- **Water and Electric Utilities**
- **And other responders as well ...**



2005



2013



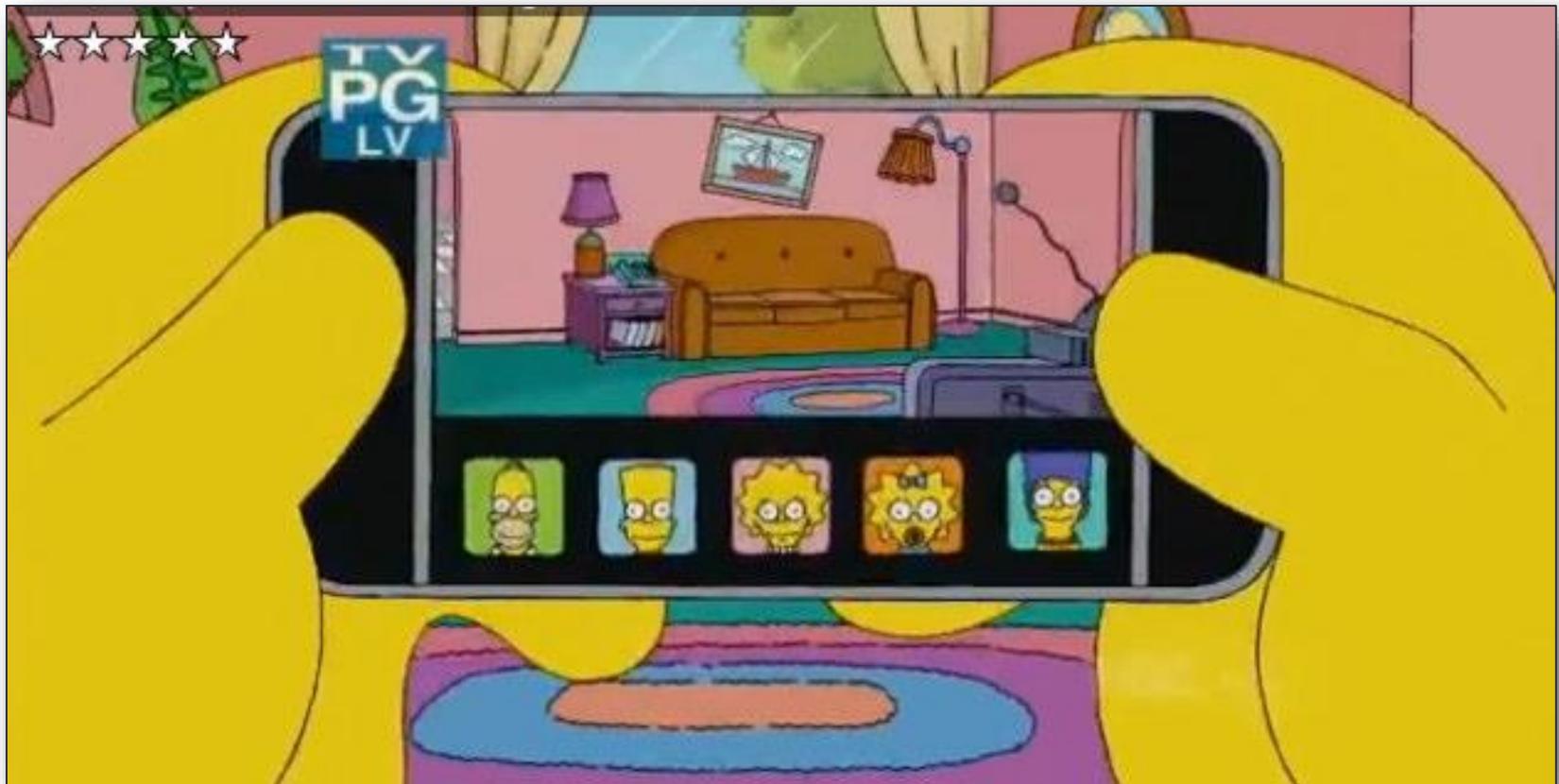


Needs of Public Safety and responders in the “other” Washington

“We want to know a little bit about you for our files.”



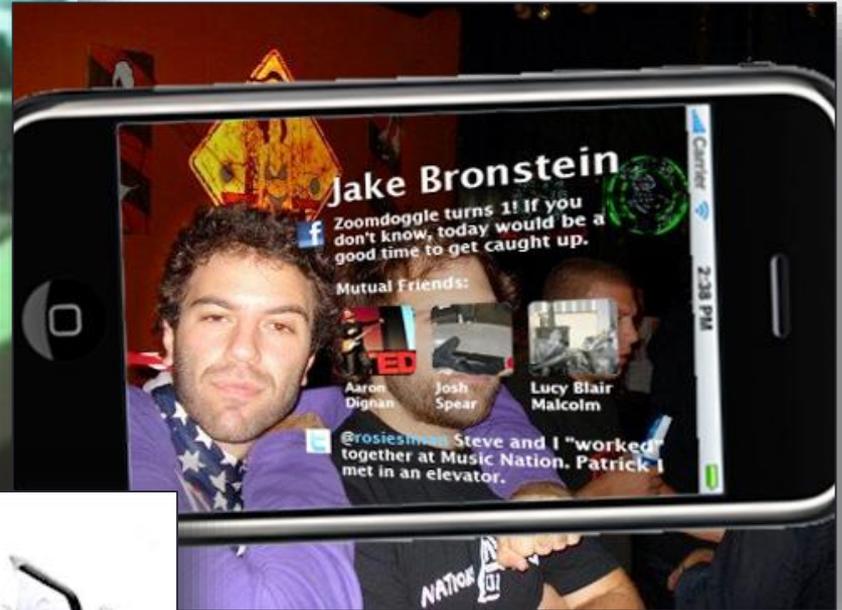
Tell Us a Little Bit about Your Apps



Questions

- Do your responders use apps on smartphones and tablets today?
- Do you use apps within the comm center or with citizens?
- Which ones would you like to deploy?

Video, Augmented Reality





Why Build Another Wireless Network?



“1952 hrs: Emergency services advising that cell phones are no longer working.”



Tuesday, February 11, 2014 | TRAFFIC | 43°F

The Seattle Times
Winner of Nine Pulitzer Prizes

Local News

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Originally published February 6, 2014 at 8:50 PM | Page modified February 7, 2014 at 12:30 AM

Cell use at Seahawks parade swamped wireless networks

Overwhelmed by hordes of cellphone users trying to snap pictures and text friends, the downtown wireless network grew sluggish and unresponsive. But police and fire officials say their emergency-communications work on radio frequencies and weren't affected.

By [Lynn Thompson](#)
Seattle Times staff reporter

Wireless networks were overwhelmed Wednesday by an estimated 700,000 Seahawks fans trying to text and call friends, and upload photos and videos from the Super Bowl parade onto Facebook, Twitter and Instagram.

Share:



Recommend 216

- Comments (22)
- E-mail article
- Print

RELATED

- [Seattle salutes Seahawks, its Super heroes](#)

Today: who has priority on Commercial Cellular Networks?



OR



Public Safety Grade



What FirstNet is not

**FirstNet does
Not replace land
mobile voice
radio (LMR)
...yet.**



Questions for you ...

- How well do your voice LMR networks work today – interoperability, coverage?
- How well do your commercial cellular networks work today? Coverage, reliability.
- Other issues?



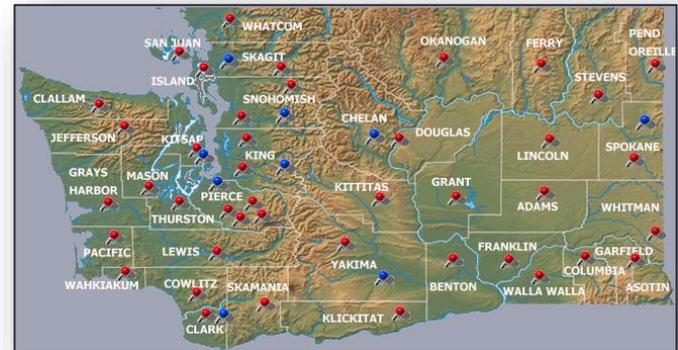
How will



know what



... or responders in your PSAP ...



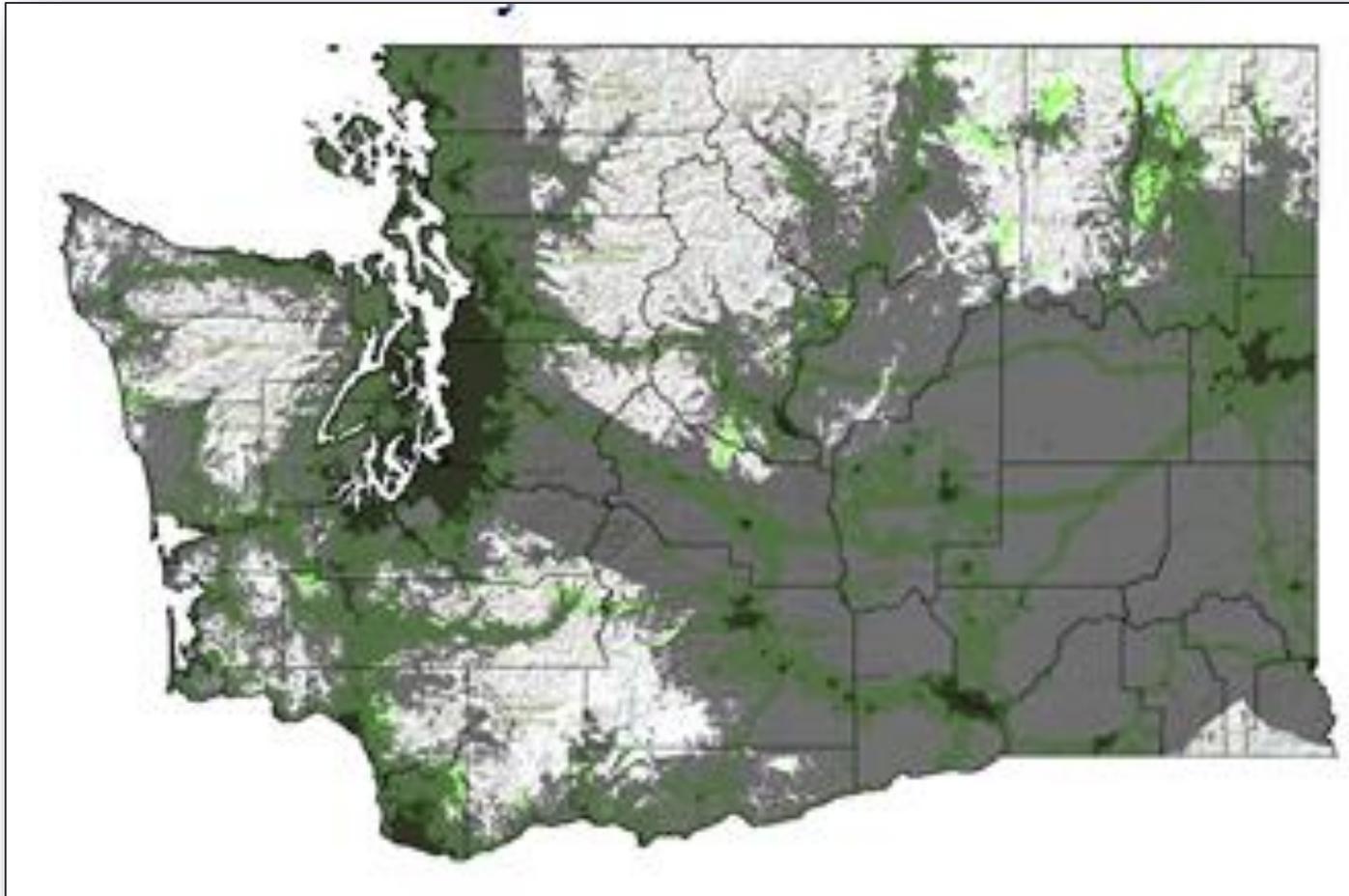
really need for public safety communications?

SLIGP

- **State/Local Implementation Grant Program**
- **Washington awarded \$2.6 million on Sept. 6th**
- **Phase 1: Outreach, Education, Governance**
- **Phase 2: Data Collection**
- **Single Point of Contact: SIEC
State Interoperability Executive Committee**

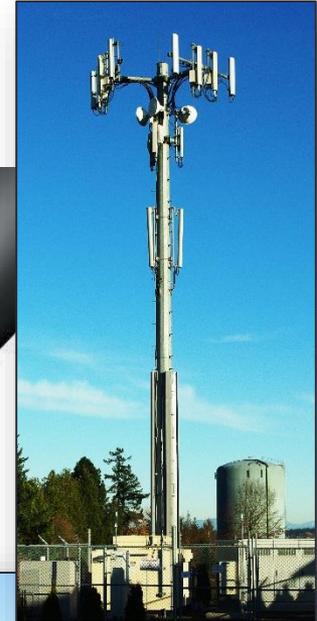
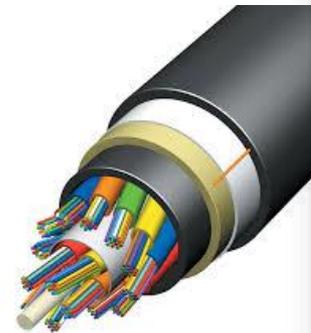


Phase I includes: A coverage map for Washington



Phase II Asset Inventory

- Dark fiber
- Microwave
- Data centers
- Radio towers
- And more ...



Decisions, Decisions

- **Governor: Opt-in or Opt-out?**
- **Probably 2016 or ??**

Goal: Before Governor makes a decision, he's heard from all interested stakeholders, including tribes, via the State Interoperability Executive Committee

Challenges for Firstnet



Money



Coverage



Getting Users



Operations, Maintenance





Getting Involved

OneNet vs FirstNet



State



www.ocio.wa.gov/onenet

Goal: Best design for Washington

Federal



www.firstnet.gov

Goal: Build, Operate



Washington OneNet Team



**Bill
Schrier**



**Michael
Marusich**



**Shelley
Westall**

OneNet@ocio.wa.gov



Get Involved Washington

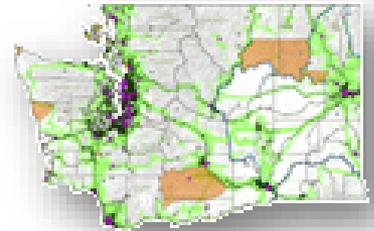


- Listserv – interop@listserv.wa.gov
- Stakeholder Committee
- Technical Committee
- Kickoff 13 – 14 August
- Initial meeting with FirstNet on 16 October

Help Us Answer ...



- Will FirstNet cover where we respond?
- How much will it cost?
- What devices can we use?
- Will it reach into buildings?
- Who gets to use it?
- What apps will it have?
- Who has priority?
- ... and more ...

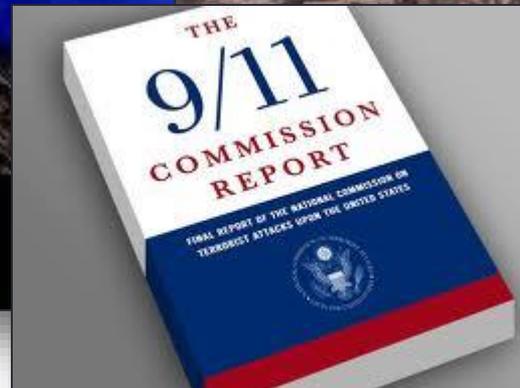


Timeline?

Unofficial ...

- 2014 (now) – Outreach
- Aug 13-14 – Stakeholder/Tech Start
- Oct 16 – meeting with Gov, Firstnet
- 2015 – Data collection
- 2015 – Design (by FirstNet)
- 2016? – Governor’s opt-in/out decision
- 2017-2018 – Construction
- 2018 (end) – Network operational?!

Get the best possible design for Washington State



Washington OneNet



Bill



Michael



Shelley

onenet@ocio.wa.gov

<http://ocio.wa.gov/onenet>

Twitter @waonenet



My Answer to that is ...



Bill Schrier

- **Washington State Interoperability Executive Committee (SIEC)**
- **Office of the CIO**
- **onenet@ocio.wa.gov**
- **<http://ocio.wa.gov/onenet>**
- **Twitter @waonenet**

