



Planning for FirstNet: Perspective from the “Other” Washington

FIRSTNET IN CALIFORNIA TOWN HALL

BILL SCHRIER

20 NOVEMBER 2014



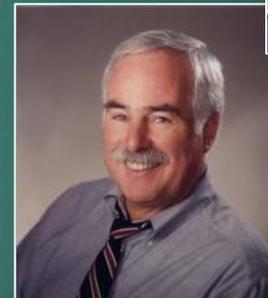
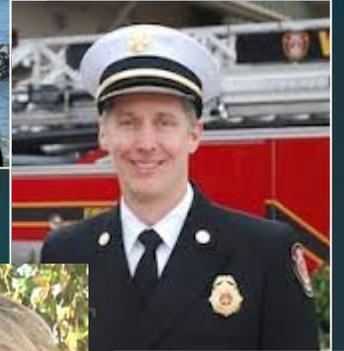
Video

<http://vimeo.com/103916627>



Washington State Interoperability Executive Committee (SIEC)

Bill Schrier, Chair

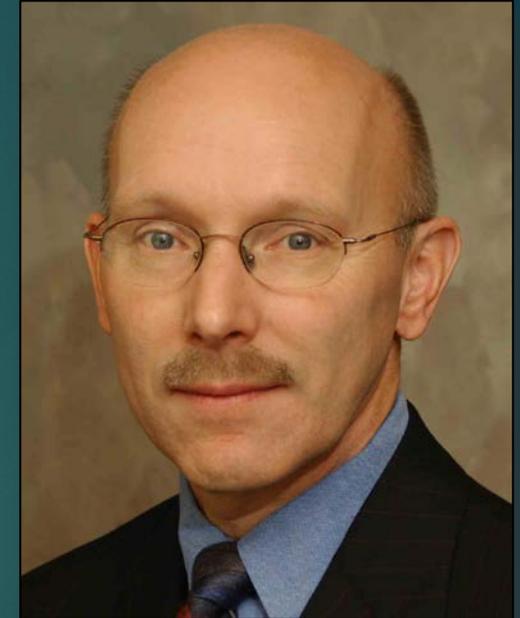




Bill Schrier

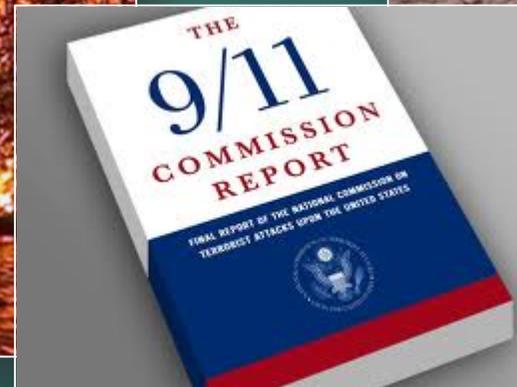


- Chair, Washington State Interoperability Executive Committee (SIEC)
- Retired Chief Technology Officer, City of Seattle – 10+ EOC activations
- Retired U.S. Army Corps Engineers
- Former police officer (Iowa)





Goal: The best possible design for FirstNet to meet the needs of Washington responders





- First Responder Network Authority
- **Funded:** \$7 billion
- Licensed to use 700 MHz spectrum nationwide
- Will use LTE commercial network technology (same as Verizon, AT&T etc.)
- Must produce a **design for each State**
- Governor must “opt in” or out of the design



What's Wrong with ... ?





Nothing, really.



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

State Route 530 (Oso) Landslide



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September 30, 2014 at 6:14 PM

911 services restored in Darrington, Oso

Posted by [Paige Cornwell](#)

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0 Comments

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been restored to
2 p.m. Tuesday.
e in Darrington and Oso, Snohomish County,
ndslide area.
own and there is no estimate on when service
Sheriff's Office. Residents in the area should
vice, the sheriff's office said.
[mudslide near Oso](#), which killed 43 people.





Carlton Complex Fire



Sheriff's Office confirms 100 homes destroyed; fiber line repair, generators needed

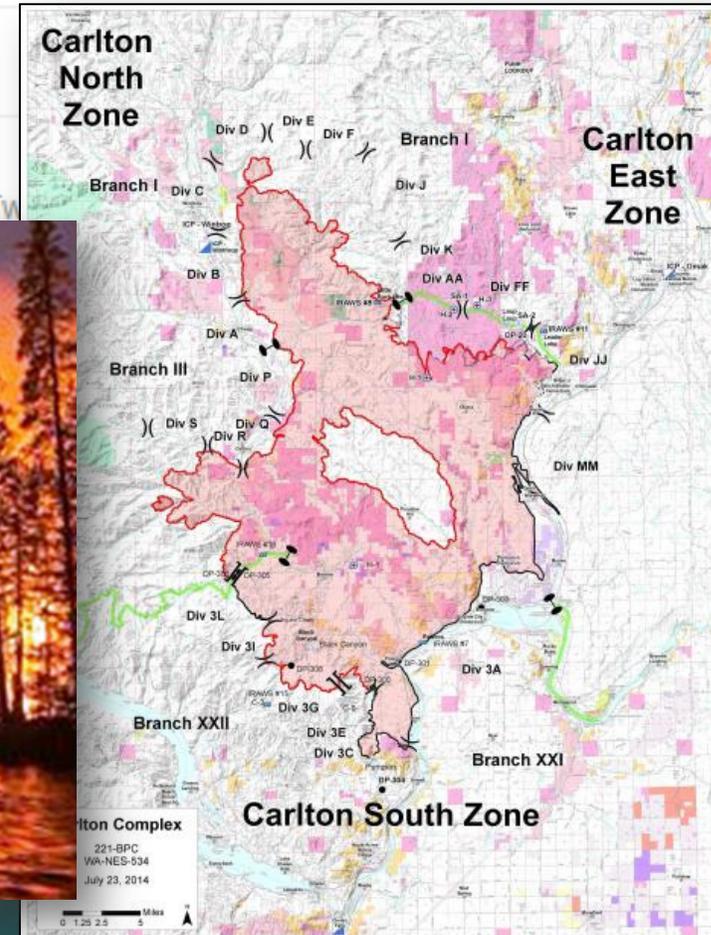
The Chronicle

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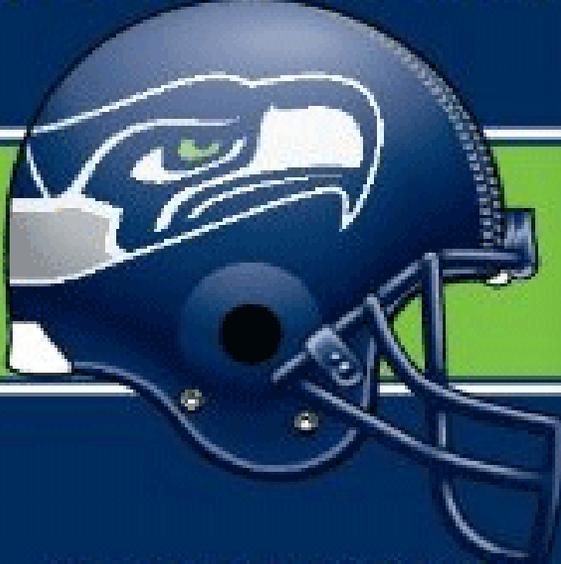
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OKANOGAN — Okanogan
in the Carlton Complex fire
During a Saturday morning
been confirmed destroyed
have burned across the n
area.





2013
NFC CHAMPION



SUPER BOWL
NY XLVIII
FEBRUARY 2, 2014



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.

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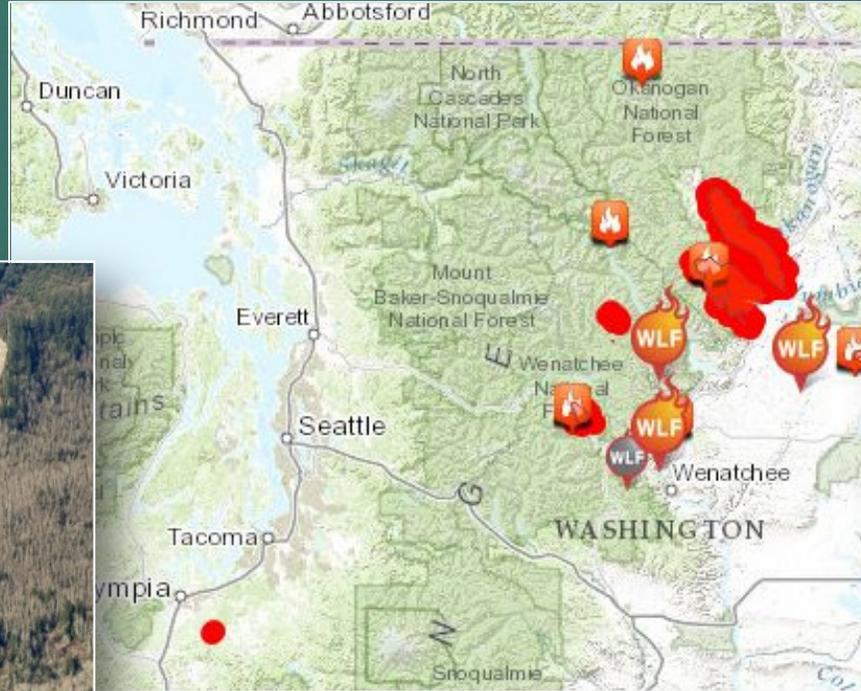


But: How much will FirstNet cost?





What parts of the State will it cover?





Who gets to use it?



ESF	Title
1	Transportation
2	Communications
3	Public Works and Engineering
4	Firefighting
5	Emergency Management
6	Mass Care, Emergency Assistance, Housing and Human Services
7	Logistics Management and Resource Support Public Health and Medical Services



**American
Red Cross**



Schrier Salute BTSOM





So, what DO we know?

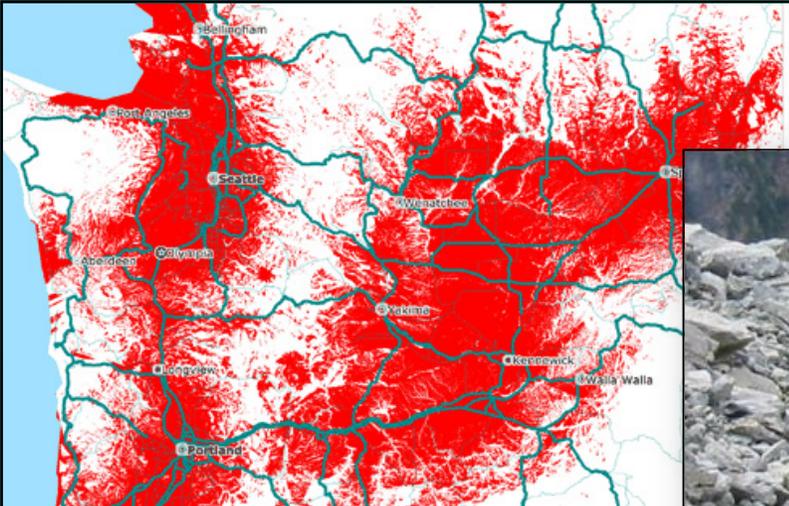


FirstNet will spend over \$100 million in Washington





We have coverage holes: poor radio or cell phone coverage





Smart Phone Apps can improve communications today.



The screenshot shows the RapidResponder web application interface for Central High School. The header includes the school name and address: "Central High School, 1420 Broadway Plz, Tacoma, WA 98402". The "RapidResponder" logo is prominent. Below the header are navigation tabs for "Routing", "Security", "Site", "Fire", "Tactical", "Staging", and "Utility". A secondary row of tabs includes "Static Map", "GIS Display", "Evacuate", and "Best Access". The main content area features a satellite map of the school campus with various tactical markers. To the right of the map is a "Map Data" panel with input fields for "Geographic position" (Top left corner and Bottom right corner), "North Orientation" (Degrees from vertical), and "Aspect is Orthogonal". Below this is a "2 Meter Resolution" section with fields for "Type", "Description", "Lat", "Lon", and "URL". At the bottom, there is a legend for various tactical icons such as "School Site", "Fire Forward Tactical", "Observation Point", "Decontamination Zone", "Bus Staging", "Inner Perimeter", "Fire Base", "Landing Zone", "Triage", "Volunteer Staging", "Outer Perimeter", "Police Forward Tactical", "Emergency Collection", "Medical Transport", "Evacuation Point", "Command Post", and "Police Staging".





Public Safety Grade



Burned fiber





We can direct FirstNet funds to help solve these problems and more, but only if ...



YOU get someone involved from your County, City or Department.

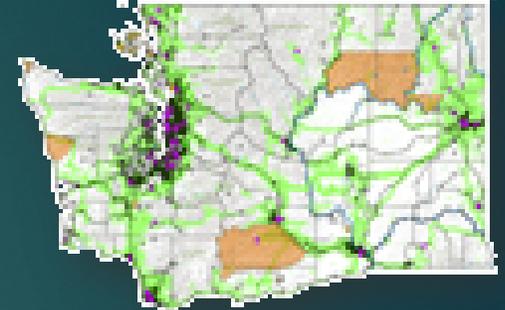




Help Us Answer ...



- Will FirstNet cover where we respond?
- How much will it cost per user?
- How to spend \$100M+ to build?
- What devices can we use?
- Will it reach into buildings?
- Who gets to use it?
- What apps will it have?
- Who has priority?





	FirstNet [™]	State Plans Staff Region X Staff
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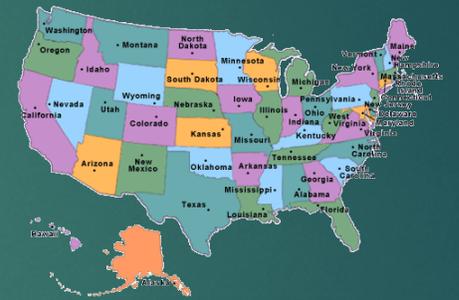


Branding: OneNet, FirstNet



State

Federal



www.ocio.wa.gov/onenet

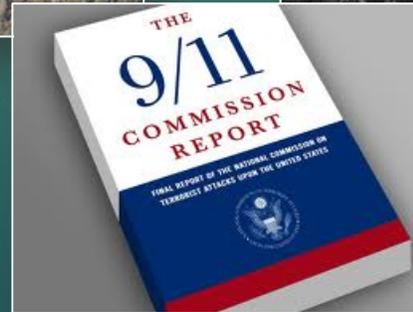
www.firstnet.gov

Goal: Best design for Washington

Goal: Build, Operate a Network



SIEC Goal: The best possible design for FirstNet to meet the needs of Washington responders





What's California's Vision?





Bill Schrier



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