



**Federal Communications Commission
Public Safety and Homeland Security Bureau**

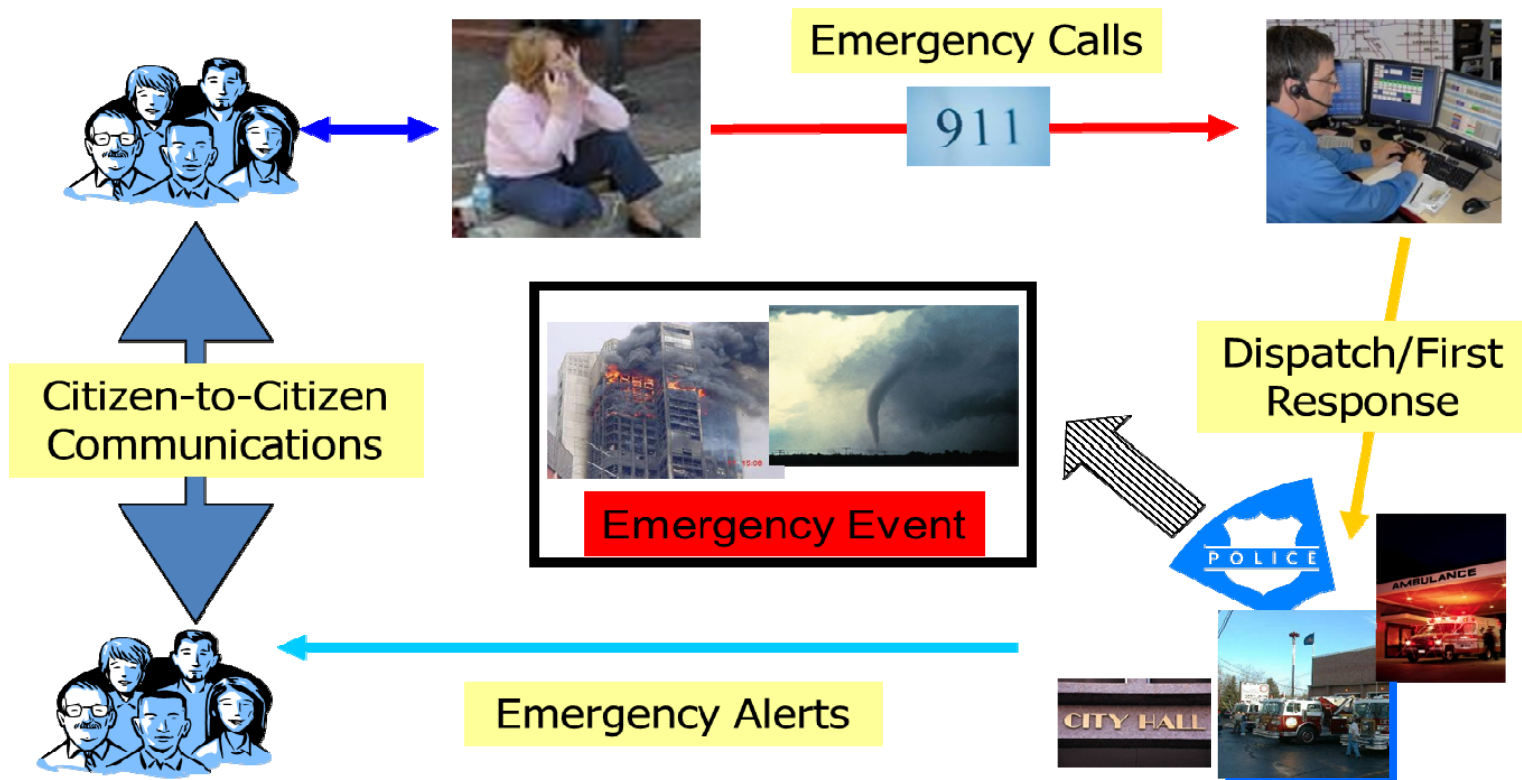
The Road to Next Generation 911

**911 Goes to Washington
March 24, 2014**

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Emergency Communications Ecosystem





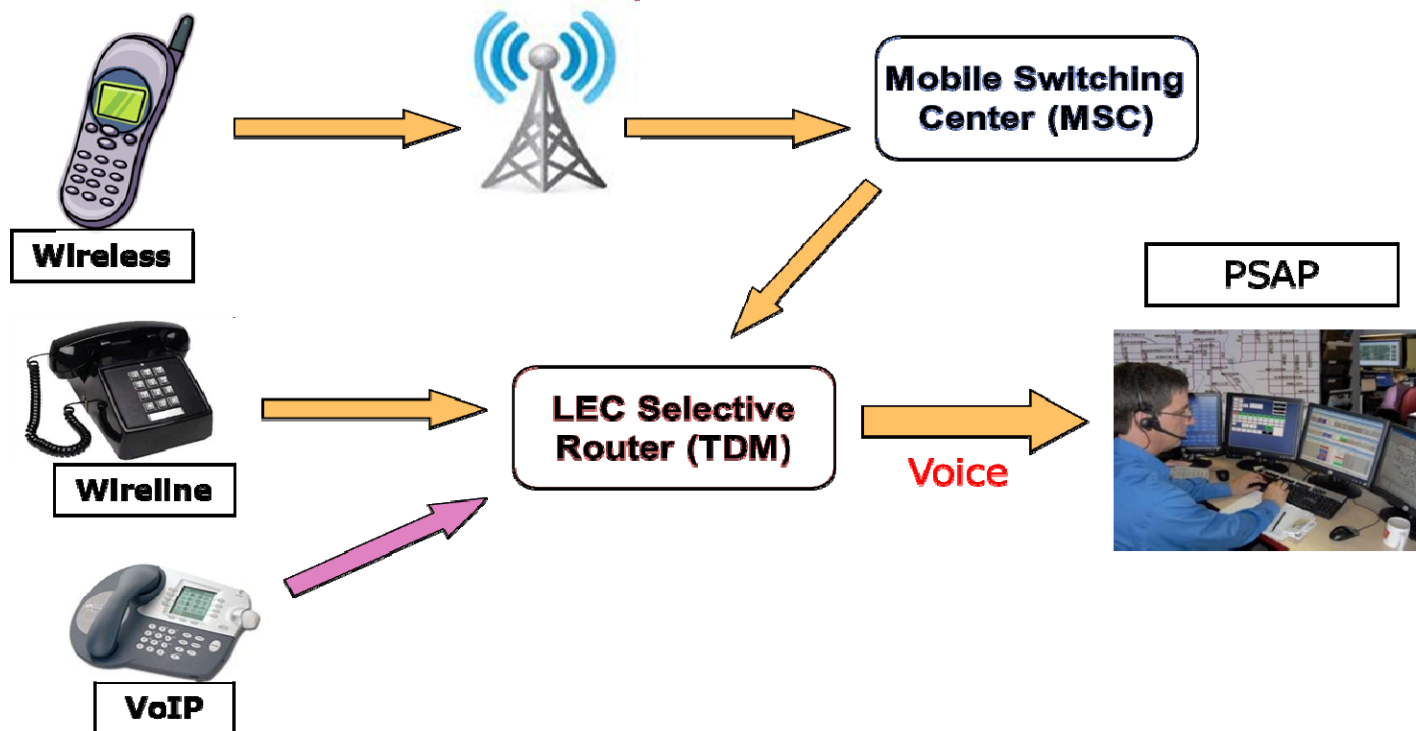
Next Generation 911



- NG911 will provide existing and new 911 services over IP rather than over the legacy TDM telephone network
- Comparing NG911 to Legacy 911:
 - IP network architecture more flexible and resilient than TDM
 - Improved accessibility, particularly for people with disabilities
 - Enhanced capabilities can enhance speed and effectiveness of emergency response
- Over time, NG911 will fully replace the legacy 911 system, but the transition will take time and will not be uniform

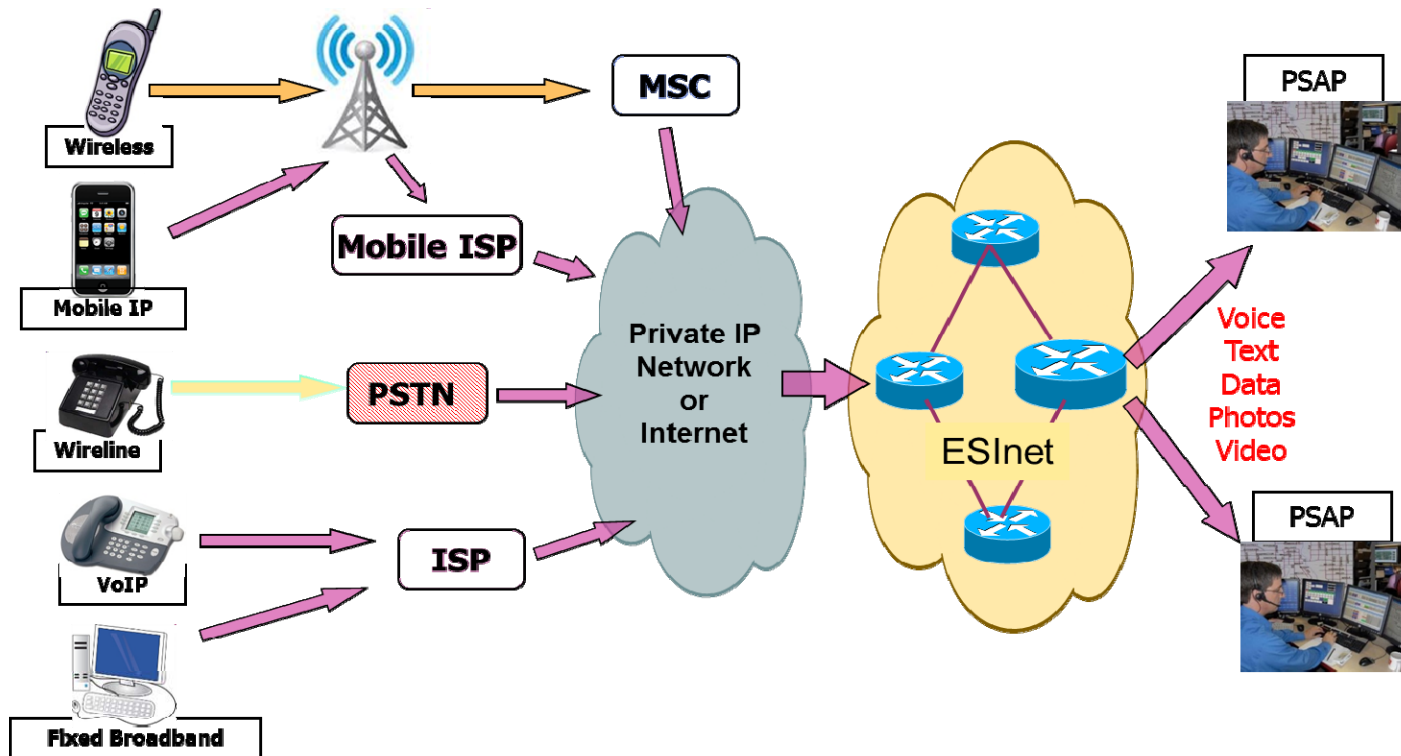


Legacy 911 Architecture





NG911 Architecture





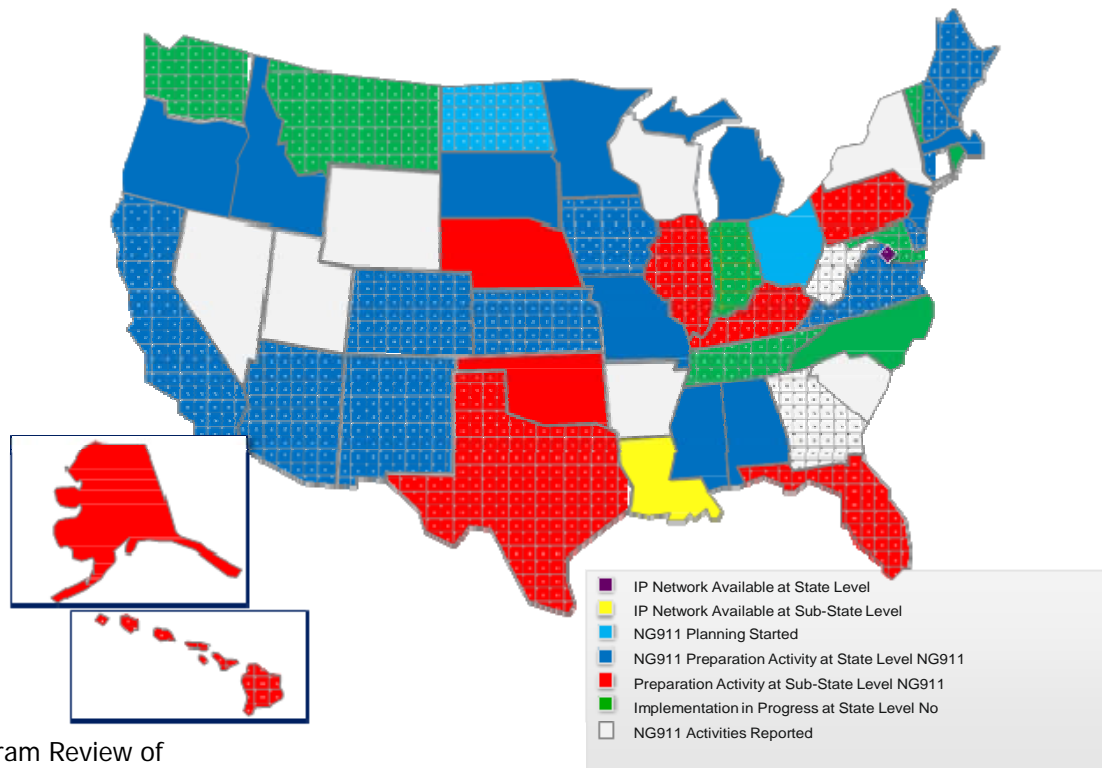
Are We There Yet?



- NG911 evolution is work in progress, with many technical, operational, financial, and governance challenges still to be addressed
- The communications networks that support the public's access to 911 are already transitioning to IP; major communications providers ultimately intend to decommission their legacy TDM networks
- Some state and local 911 authorities have taken initial NG911 transition steps, but most PSAPs remain heavily reliant on legacy network elements



NG911 Status by State



Source: National 911 Program Review of Nationwide 911 Data Collection, July 2013



What Is Needed to Complete the NG911 Transition?



- Enhanced consumer and PSAP capabilities to support delivery and use of multimedia information (voice, text, data, photos, and videos)
- Effective location accuracy determination for all NG911 applications
- Comprehensive and consistent technical standards to ensure functionality, interoperability, and security of all system elements
- Adequate and sustainable funding
- Workable framework for NG911 governance



Recent FCC Activity to Further the NG911 Transition



- Enhanced Capabilities: Text-to-911 rulemaking, voluntary deployments, and consumer outreach
- Location Accuracy: E911/NG911 location accuracy rulemaking proposals
- Standards: CSRIC working group activity on emerging technical issues (e.g., indoor location testing, text-to-911 location determination)
- Funding: Annual 911 fee report (new spotlight on NG911 funding)
- Governance: FCC report to Congress on NG911 legal/regulatory framework (2013)



What's Ahead



- Further action on Text-to-911 and Location Accuracy
 - Text-to-911 comments due April 4, replies due May 5
 - Major carrier voluntary text-to-911 implementation: May 15
 - Location accuracy comment dates to be announced shortly
- FCC Technology Transitions proceeding and trials – launched January 2014
 - Opportunity to test impact of IP transition on 911
 - FCC Technology Transition Workshop on public safety issues: April 17-18
- Continued FCC engagement with other NG911 stakeholders (federal, state/local/tribal, industry, consumer groups)



Thank You!

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