



NATOA'S 31ST ANNUAL CONFERENCE GIGABIT COMMUNITIES

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Agenda

- Public Safety Broadband Network
- Narrowbanding Deadline
- Next Generation 9-1-1
- Network Reliability
- Emergency Alerting



Public Safety Broadband Network



- Created in April 2010 with the mission of establishing a technical and operational framework that will ensure nationwide operability and interoperability in the deployment and operation of the 700 MHz public safety nationwide broadband wireless network.



Public Safety Broadband Network Actions

May 2010

- Waiver Order granting approval of 21 petitions

December 2010

- Interoperability Waiver Order

January 2011

- Interoperability Third Report and Order and Fourth Further Notice of Proposed Rulemaking

July 2011

- Fourth Report and Order (Addressing Municipal Use)

August 2011

- Order (Addressing Harris Petition)



Narrowbanding Deadline

- All Public Safety and Industrial/Business licensees in the 150-174 MHz (VHF) and 421-512 MHz (UHF) bands must complete narrowbanding to 12.5 kHz by January 1, 2013
 - FCC will also no longer allow manufacture or importation of equipment that includes a 25 kHz mode
 - FCC will not certify new equipment that includes a 25 KHz mode



Next Generation 9-1-1

Legacy 9-1-1 Limitations

- Circuit-switched networks aging, capacity-constrained
- Limited PSAP interconnection and back-up routing capability
- Voice-centric (interconnected only)

Greater Resiliency and Reliability

- Circuit-switched networks aging, capacity-constrained
- IP-based networks are more flexible and redundant
- More options for routing traffic and handling congestion

Support Newer Technologies

- Existing telephone-based 9-1-1 and emerging voice services (interconnected and non-interconnected)
- Video, text, and data
- Applications for people with disabilities and non-English speakers

Cost Effectiveness (Long Run)

- Can leverage available broadband technologies
- Enables increased efficiency in PSAP operations



9-1-1 and NG911 Actions

September 2010

- 9-1-1 Location Accuracy Order
- 9-1-1 Location Accuracy Further Notice of Proposed Rulemaking and Notice of Inquiry

December 2010

- NG9-1-1 Notice of Inquiry

July 2011

- 9-1-1 Location Accuracy Report & Order and Further Notice of Proposed Rulemaking



NG9-1-1 Five-Step Plan

1. Identify a cost-efficient way to fund NG9-1-1
2. Develop a NG9-1-1 governance framework
3. Implement NG9-1-1 technical standards that define system architecture
4. Develop location accuracy mechanisms for NG9-1-1
5. Consider a Notice of Proposed Rulemaking accelerating NG9-1-1 adoption



Network Reliability

Workshop Webcast Link

- <http://www.fcc.gov/events/workshopwebinar-proposed-extension-outage-reporting-interconnected-voip-and-broadband-isps-an>

May 2011

- Outage Reporting Extension Notice of Proposed Rulemaking

April 2011

- Network Reliability Notice of Inquiry



Emergency Alerting

- Emergency Alert System
 - Federal Communications Commission
 - Federal Emergency Management Agency
 - National Oceanic and Atmospheric Administration's National Weather Service
- National Emergency Alert System Test
 - November 9, 2011 at 2:00 pm EST
- Commercial Mobile Alert System (CMAS) or Personalized Localized Alerting Network (PLAN)
 - Expected launch in April 2012
 - Early launch in New York City in December 2011.





Thank You!

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