



# National States Geographic Information Council (NSGIC) 2011 Midyear Meeting

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# 9-1-1 Location Accuracy Order

- FCC rules generally require wireless carriers to locate 9-1-1 callers within 50-300 meters.
- FCC recently adopted an Order that requires wireless carriers to provide more precise location information to PSAPs.
  - Generally requires wireless carriers to comply with the FCC's location accuracy rules at either a county-based or PSAP-based geographic level;
  - Establishes interim benchmarks and timelines for carriers to comply with these new rules.



# 9-1-1 Location Accuracy FNPRM/NOI

- FNPRM: FCC sought comment on specific proposals to improve wireless 9-1-1 location accuracy (i.e., modification to the existing accuracy standard, testing, challenging environments).
- NOI: FCC sought comment on issues related to 9-1-1 location accuracy requirements for VoIP providers.
- NOI: FCC sought comment on the impact of NG9-1-1 deployments on location accuracy.



# NG9-1-1 Notice of Inquiry

- On Dec. 21<sup>st</sup>, the FCC adopted a Notice of Inquiry (NOI) in which the Commission seeks comment on a number of issues related to NG9-1-1, including:
  - The capabilities that NG9-1-1 will support;
  - The NG9-1-1 network architecture;
  - Issues associated with the implementation and transition to NG9-1-1; and
  - The proper roles of the FCC, other federal agencies, and state, Tribal, and local governments.
- The NOI stems from a recommendation in the FCC's National Broadband Plan.



# NG9-1-1 Notice of Inquiry (Section 1): Potential Capabilities

- Message-Based Text (i.e., SMS and IM Sessions)
- Real-Time Text
- Photos
- Video
- Telemetry



# NG9-1-1 Notice of Inquiry (Section 2): Network Architecture

- Transport Mechanisms
- NG9-1-1 Participants
- Interoperability and Standards
- PSAP Functions



# NG9-1-1 Notice of Inquiry (Section 3): Other Specialized NG9-1-1 Applications

- Device-Initiated Services
- Social Media
- N11 Numbers
- Auxiliary Data
- Disaster Planning and Recovery
- MLTS/PBX Services



# NG9-1-1 Notice of Inquiry (Section 4): Implementation and Transition Issues

- Disparate PSAP Capabilities
- 9-1-1 Competition
- Liability, Confidentiality, and Privacy Concerns
- Network and Data Security Concerns
- Education





# NG9-1-1 Notice of Inquiry (Section 5): Jurisdiction, Authority, and Regulatory Roles

- Ability of States to Coordinate the Transition to NG9-1-1
- FCC Jurisdiction
- FCC Coordination with other Federal Agencies



## Additional NG9-1-1 Recommendations in National Broadband Plan

- The National Highway Traffic Safety Administration (NHTSA) should direct a report that analyzes the costs of deploying a NG9-1-1 system on a nationwide basis.
  - NHTSA is working on developing the costs and scope of preparing a Request for Proposal to undertake this study.
- Congress should establish a federal regulatory framework for the development of NG9-1-1 and the transition from legacy 9-1-1 to NG9-1-1 networks over time.

