

Migrating to NG9-1-1: Transition Issues

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US DOT NG9-1-1 Initiative



Long Term Goal:

To enable the general public to make a 9-1-1 “call” (any real-time communication – voice, text, or video) from any wired, wireless, or Internet Protocol (IP)-based device, to the PSAP; and enable data sharing with the emergency communication network.

Major Milestones:

- National architecture and high-level design for NG9-1-1 System
- Proof of Concept Demonstration
- Transition plan for NG9-1-1 implementation ★ ★
- Analysis of Cost, Value & Risk ★ ★

Transition Plan



- Deployment Strategies
- Transition Issues
 - Funding
 - Operations
 - Standards and Technology
 - Governance & Policy

<http://www.its.dot.gov/ng911/index.htm>

Analysis of Cost, Value & Risk



- Assumption: Hybrid Model
- Cost
 - Planning, Upgrading, Maintaining
 - Operating Costs comparable to maintaining present model
 - NG9-1-1 provides greater potential for cost savings
- Value [80% more value than present system]
 - Quicker transmission of useful, actionable information
 - Geographic-independent call access, transfer and backup
 - Increased interoperability and coordination
 - Increased access by public
- Risk
 - 17 Key Risks Identified
 - Risk adjusted lifecycle costs within range of current costs
 - Risks can be further mitigated by cost sharing

A National Plan for Migrating to IP-enabled 9-1-1 Systems

- NET Improvement Act (2008)
- Benefits, Barriers, Strategies
- Access for Disabled (e.g., hearing impaired)
- Analysis of status of automatic location information (i.e., nomadic devices and high-rise buildings)
- Experiences of early adopters
- **Issues for possible legislative or regulatory action**

9-1-1 Grant Program

- One-time appropriation: \$43.5 million
- Eligible Applicants: States and Territories
- Non-competitive, Formula-based
- Match: 50/50 match, soft match
- State overhead maximum:
 - 10% (proposed by NPRM)
 - 90% required “for direct benefit of” PSAPs
- Eligible use of funds:
 - Hardware
 - Software
 - Training
 - Consultant to manage deployment/training projects

Applications due: August 4, 2009

More information: <http://www.e-911ico.gov/>

Potential Role for Commissions

- NG Transition Plan: Appendix D: State Government
 - Funding, Operations, Standards & Technology, Governance & Policy
- National NG Migration Plan: Executive Summary
 - Changing relationship between PSAP and Networks (Service/Network Providers)
 - Clarifying jurisdictional relationships and responsibilities at each level of government
 - System access and security controls
 - Ensure broad enough authority for 9-1-1 agencies
- **Direct Responsibility/Authority AND Indirect Influence, Support & Promotion**