

Pending and Emerging
9-1-1/Emergency Communications
Issues for FCC Consideration

November 17, 2009

National Broadband Plan

- Plan should articulate that it is the policy of the United States to foster the migration from analog, voice-centric 9-1-1 and emergency communications systems into a broadband-enabled 21st century, IP-based emergency services model

National Broadband Plan

- Focus on all forms of broadband for public safety
- Recognize that access to publicly available broadband networks alone is insufficient
 - Need for managed Emergency Services IP networks (ESInets)
- Address public safety broadband funding challenges
 - Need for recurring, annual, non-raidable funding source; not just grants
- Address federal and state regulatory uncertainty delaying rollout of IP-based E9-1-1 and NG9-1-1 systems
- Address emergency communications as an overall enterprise, not separate functions (9-1-1, first responders, health, etc.)
 - Avoid single-purpose networks; embrace shared networks/systems
 - Address emergency communications as an overall
- Address public safety broadband demand challenges

Next Generation 9-1-1

- Fully replace E9-1-1 system with all core functionalities and capabilities of current E9-1-1 system
- Add capabilities to support 9-1-1 access in multiple formats for all current/emerging originating service providers
- Add increased flexibility for PSAPs/9-1-1 governing authorities
- Add capabilities to enable interoperable information sharing with all organizations involved in emergency response

Next Generation 9-1-1

- Progress in NENA standards development
 - Several standards complete
 - Several major core NG9-1-1 standards slated for completion in early 2010 (IP functions and interfaces (“i3”) stage 3 design, NG Security, IP-capable PSAP minimum operational requirements update, and several system operations/database standards)
- Some pre-NG9-1-1 early deployments and planning/implementation of IP-backbone networks; IP network and equipment development
- Successful NENA NG9-1-1 Industry Collaboration Event (ICE)
- Ongoing transition to IP-based E9-1-1 systems as catalyst to full NG9-1-1 systems
 - Unclear state statutory/regulatory structure; need for state and federal regulatory certainty in IP environment

Automatic Location Information and Location Accuracy

- Wireless location accuracy: continue to support county level compliance with reasonable exceptions
- Need for clarity on 9-1-1 requirements, including location obligations of new/emerging IP-based services
 - Wired VoIP services that connect to the PSTN
 - Mobile VoIP applications
 - Dual-mode handsets
 - Obligations of service/application providers and network providers when they are not the same entity (See NRIC VII 1B report)

Other Issues

- Non-Service Initialized (NSI) handsets
 - Not just a CMRS issue
- Multi-Line Telephone Systems (MLTS)
- Open Internet proceeding and potential impact on 9-1-1/public safety communications
- N-1-1 call routing