FCC Public Safety Update

NARUC Staff Subcommittee on Telecommunications
New York, NY
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Federal Communications Commission
Text-to-911

- CMRS and Interconnected Text Providers:
  - Must be “text capable” (as of December 31, 2014)
  - Must begin delivering 911 text messages to requesting PSAPs by June 30, 2015 or within 6 months of a valid request

- Over 300 PSAPs already support text-to-911 or are in deployment
- Many additional states/localities are planning deployments
- PSAP experience has been positive and text-to-911 has saved lives
Text-to-911 Deployments
December 2014 – June 2015

Text-to-911 Registry Updates

<table>
<thead>
<tr>
<th>Date of Registry Update</th>
<th>Total PSAPs</th>
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</thead>
<tbody>
<tr>
<td>12/31/14</td>
<td>183</td>
</tr>
<tr>
<td>02/04/15</td>
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<td>06/22/15</td>
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Wireless Location Accuracy

- **The Indoor Location Problem:**
  - More wireless 911 calls coming from indoor environments
  - Traditional location accuracy technologies optimized for outdoor calling may not accurately identify the building or in-building location of the caller

- **January 2015 Report and Order**
  - Draws from the November 2014 APCO-NENA-Carrier Roadmap Agreement
  - Establishes metrics and timelines for wireless carriers to implement technical solutions that will improve location for indoor wireless calls
  - Technologically neutral approach
  - Location technologies must be validated in an independently administered test bed; performance will be measured using live 911 call data
Wireless Location Accuracy Requirements

Wireless carriers must provide:

- **Dispatchable location**: street address of the calling party, plus key additional information (suite, office number, floor), OR
- **X/Y coordinates within 50 meters** of the caller

**FOR:**

- 40% of calls within 2 years
- 50% of calls within 3 years
- 70% of calls within 5 years
- 80% of calls within 6 years

- **Vertical location (Z-axis) information**: uncompensated barometric pressure data from capable devices within 3 years; development and deployment of Z-axis standard solution in 6-8 years
Annual 911 Fee Report Data Collection – New Elements

2015 Data Collection sent to State Governors and NASNA representatives – responses requested by July 31
Data collection form includes new elements:

- **Basic 911 Data**
  - Number of PSAPs and telecommunicators
  - Number of 911 calls (by platform)

- **More Granular Financial Data**
  - 911 expenditure categories
  - Non-fee funding sources
  - Audit authority (over collection and expenditures)

- **Next Generation Activity**
  - NG911/ESINet deployment
  - Text-to-911 deployment (existing and planned)
  - Cybersecurity
Proposed Network Outage Reporting System (NORS) Reforms


- Proposes to clarify that any network malfunction that significantly degrades 911 is a reportable outage

- Proposes to require reporting of systemic wireless call failures that result from radio access network overloading.

- Proposes granting states access to NORS data relating to their respective states
  - To receive access to NORS data, states must certify that they will keep the data confidential

- Comments due July 16, replies due July 31
Other Issues/Proceedings

- Tech Transition/Backup Power
- 911 Reliability and Governance
- NSI Phones
- Task Force on Optimal PSAP Architecture
- 911 Apps Workshop
- CSRIC V