



FCC Public Safety Update

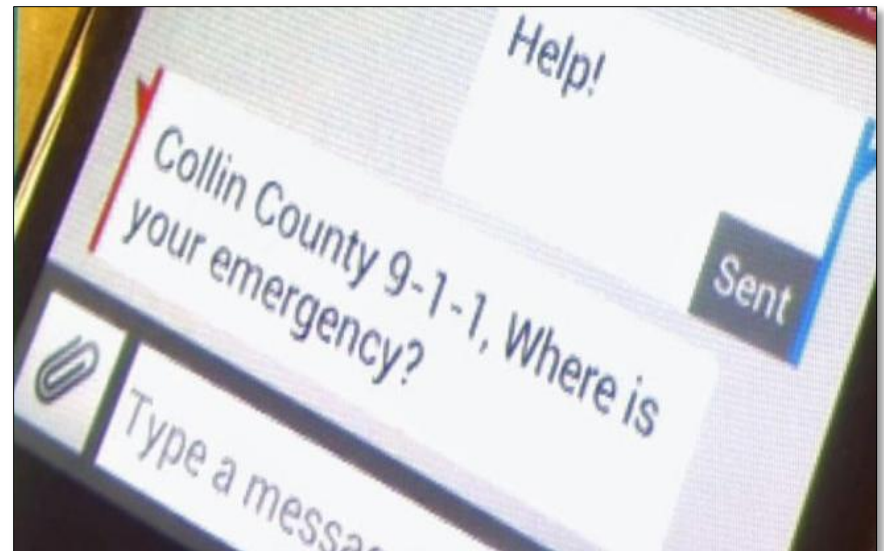
NARUC Staff Subcommittee on Telecommunications
New York, NY
July 12, 2015

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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



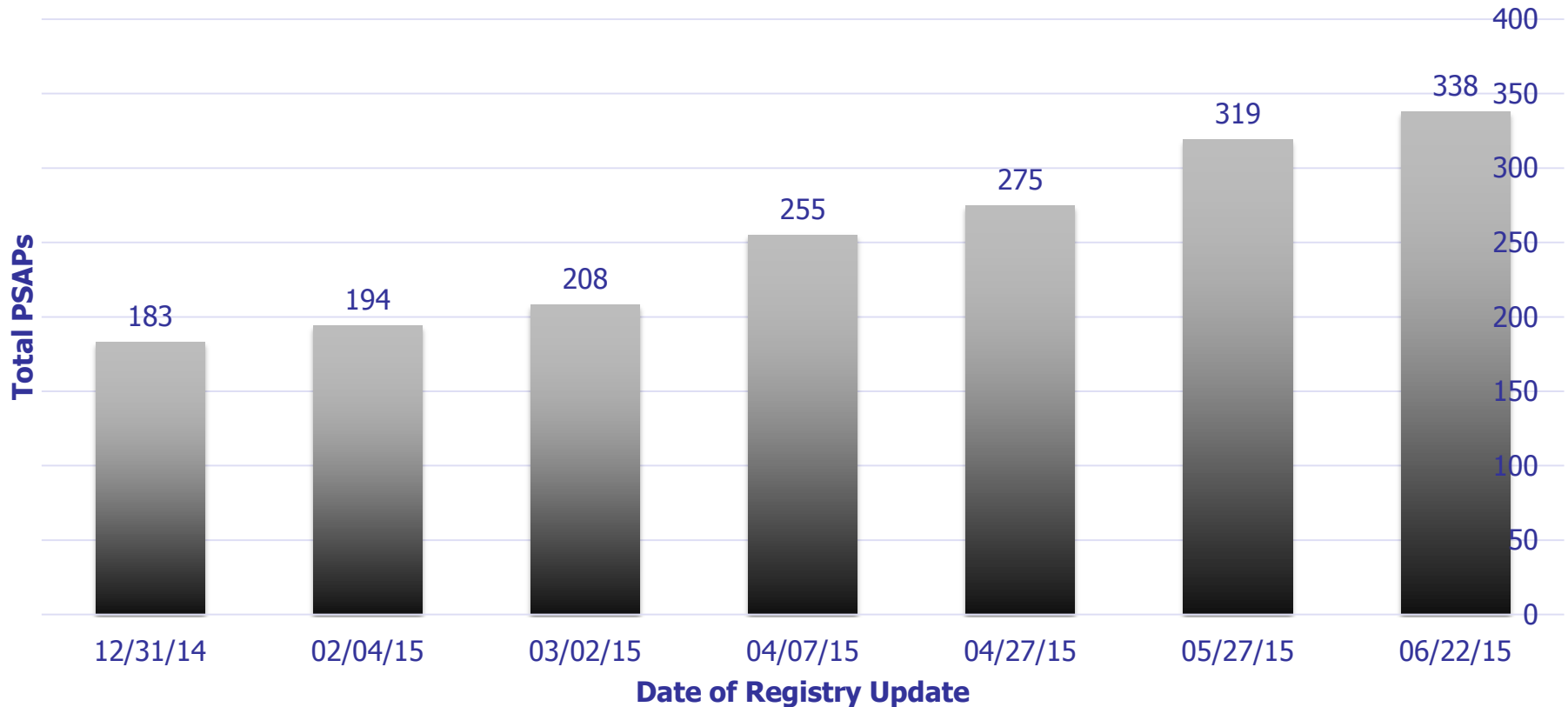


Text-to-911 Deployments

December 2014 – June 2015



Text-to-911 Registry Updates





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



- NPRM released March 30, 2015 (FCC 15-39, PS Docket 15-80)
- 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