

NG9-1-1 Call handling using PC³ (Persistent Contextual Collaborative Conferencing)

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Challenges PSAPs Face Today

- Inclusion: Need to handle calls from all citizens, including non-native language speakers, people with disabilities who cannot speak or hear, etc.
- Multi-channel: Voice only, Inability to process multi-media, multi-channel communications (video, text messaging, social media)
- Keeping up with Technology: Vehicle telematics, smartphones with biometric monitoring
- Sharing data with other departments: Disparate intra and inter agency command and control communications systems
- Old technology: Outdated communication systems jeopardize rapid and effective emergency response
- High Availability + Redundancy : Citizens need 24/7 access
- **Funding**: Diversion of legitimate funding for other objectives not related to the direct chain of care

"In the past 15 years, advancements in modern communications technology have created the need for a more advanced system to access emergency care. While the existing 9-1-1 system has been a success story for more than 30 years, it has been stretched to its limit as technology advances."

National Emergency Number Association (NENA)





Different types of PSAPs deployments require a tailored approach



NG9-1-1 must be flexible as localized 'policy' will determine 'topology'

AVAYA









NG9-1-1 PC³ Use Case 1: Automatic Crash Notification



- 1. Vehicle involved in an accident
- 2. ACN signals provider with telematics data
- 3. Provider establishes PC³ with Agency
- 4. Crash data is analyzed
- 5. Trauma resources are prepared in advance



NG9-1-1 PC³ Use Case 2: Enterprise Building Floor Plans



- 1. Enterprise Emergency Call
- 2. NG9-1-1 with PIDF-LO providing floor plan URI
- 3. PSAP establishes PC3 with caller
- 4. Floor plan is analyzed units dispatched
- 5. Units arrive on scene with detailed information in-hand



NG9-1-1 PC³ Use Case 3: ASL Caller requiring VRI

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- 1. ASL Video Emergency Call
- 2. NG9-1-1 with video
- 3. PSAP establishes PC3 with caller
- 4. VRS is added to conference
- 5. Centralized recording captures media from all endpoints



NG9-1-1 PC³ Use Case 4: Voice Caller requiring Translation



- 1. Voice NG9-1-1 Emergency Call
- 2. NG9-1-1 with language indicator from device or network (L)
- 3. PSAP establishes PC3 with caller
- 4. Translator is added to conference
- 5. Centralized recording captures media from all endpoints



Avaya's Revolutionary way to Collaborate Persistent Contextual Collaborative Conference







http://www.avaya.com/PublicSafety



THANK YOU

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