

Broadband Summit

FORWARDING NG9-1-1 VIDEO TO FIRST RESPONDERS

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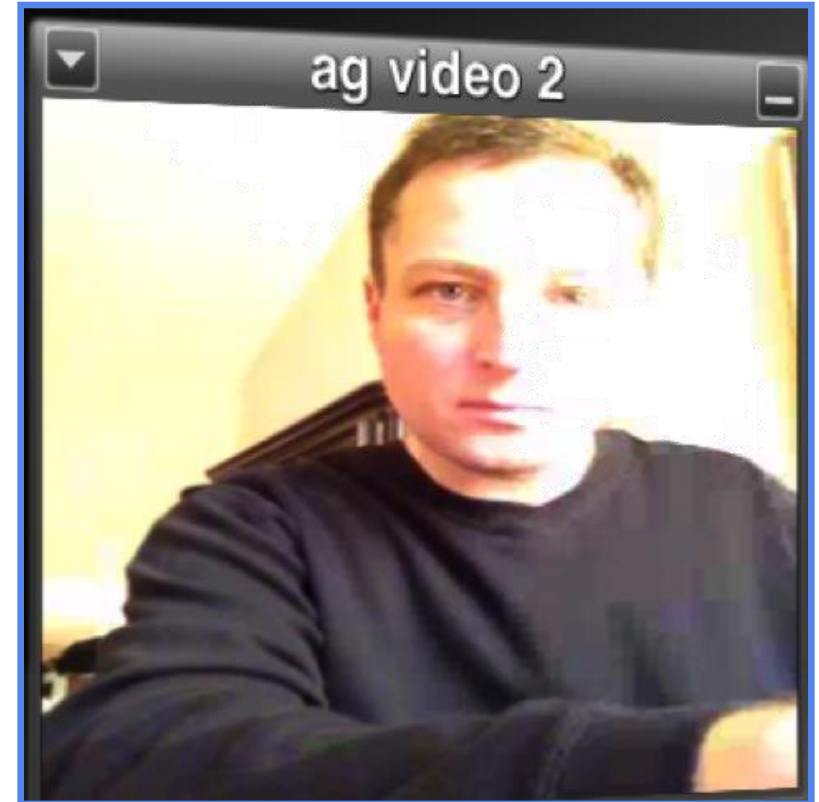
NG9-1-1 Video Scenarios

- Solicited recorded video
 - Currently MMS (SS7) - .3gp or mp4
 - Size: 1MB (30 seconds)
 - Requested by CT during voice/text call
- Solicited streaming video
 - Facetime and like services P2P only
 - Many SIP chat clients – not currently 9-1-1
 - BW: 256-384 kb/s (bidirectional)
 - Workflow critical
- Unsolicited recorded & real-time video
 - MMES/IMS 911 clients limited – real video to 9-1-1
 - Most PSAP's not equipped for video



Video quality

- Recorded – OK
- Streaming
 - Needs 256-384 kb/s+
 - Requires 4G/LTE network
 - QoS similar to VoIP
- Storage
 - 5 min call is about 10MB
 - Recorder (SIPREC)



Governance → Policies

- Issues

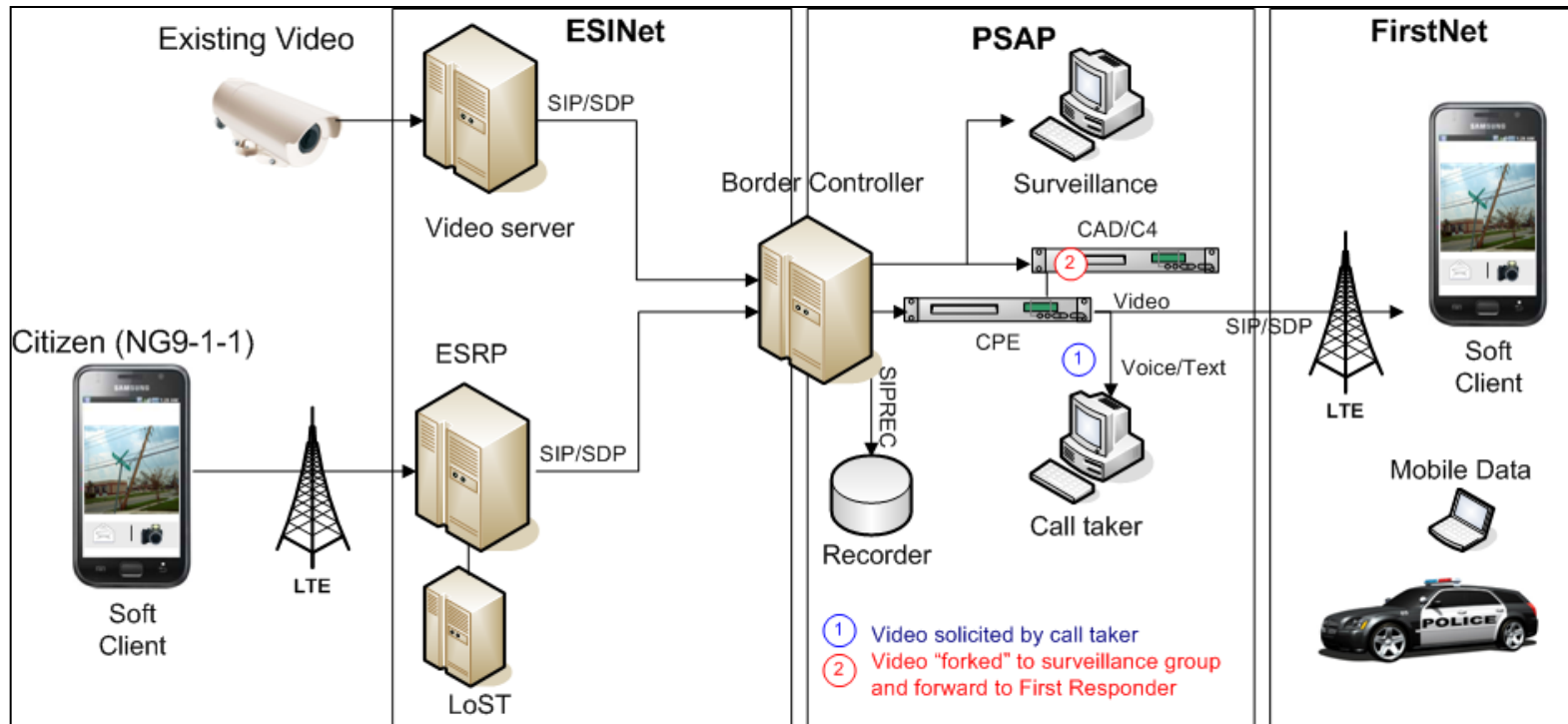
- Privacy & legal
- Dispatcher training
- Consistency & fairness
- Duration of streams



- Workflows

- Solicited initiated by CT – may forward to surveillance, detective, or first responder (coordinated by CAD/CPE)
- Unsolicited initiated by citizen – needs to go directly to trained CT/triage (similar model for video relay)

Architecture



- Phone located and routed on ESINet
- Secured, processed, and policy routing at PSAP
- Forked and forward to first responders

Q & A



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