



Mission Critical Voice

Stephen Devine
Missouri Department of Public Safety

NPSTC is a federation of organizations whose mission is to improve public safety communications and interoperability through collaborative leadership.

Mission Critical Voice Working Group



- Work builds off of NPSTC Mission Critical Voice document.
- WG will develop *specific* quantitative public safety requirements for LTE based MCV in a broadband environment.
- Mission Critical Voice parameters and elements apply to “off network” and “on-network” solutions.
- WG will identify “must have” elements of MCV

Deliverables



- Final WG product is a document that describes public safety community's needs/requirements for MCV, which will include:
 - PTT
 - simplex and duplex capabilities
 - Direct mode operations
 - Audio qualities that have been identified as critical for MCV including some that exist in analog voice today.
 - As well as elements associated with interoperability, security/authentication and availability/access.

What to avoid in this process...



- The tendency is to identify “how” to meet any MCV voice need based on past experience.
- This WG needs to focus its efforts on “what” elements the MCV solution consists of, not “how” to arrive at a MCV solution.
- Vendor participation is crucial to ensure that technological constraints in a MCV solution are acknowledged.

NPSTC MCV Paper



Key Elements:

Direct or Talk Around

PTT

Cellular Voice

Group Call-One to Many

User ID

Emergency Alerting

Audio Quality

MCV



- Mission Critical Voice Solution that meets public safety's needs will be a collection of contributing elements.
- The voice solution will be an aggregate of identified elements that all have to be included to be Mission Critical.
- More to come...



Questions?

Stephen Devine
NPSTC Broadband BWG

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