



Broadband Voice TASK GROUP Direct Mode Range Requirements

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

Experience Counts

- Defining requirements for a new technology begins with an understanding of existing capabilities.
- Real world experiences translated into scenarios called “Use Cases” are being solicited from public safety practitioners.
- Use cases will form the basis for the requirements of the new technology.
- Our requirements will be developed from an analysis of the use cases submitted.

Diversity of Experience

- Use Case scenarios will span public safety first responder disciplines; primarily:
 - Law Enforcement
 - Fire Services
 - Emergency Medical Services (EMS)
- Use case scenarios will be selected to represent “geographic and population density differences across the United States”
 - Urban
 - Suburban
 - Rural

Potential New Features

- Broadband technology may present us with expanded off network features
 - Imbedded signalling
 - Unit ID and Emergency display
 - Mesh networking
 - Blue Force Tracking
 - Voice Privacy or Encryption

- Needs vs. Wants
 - Must Have
 - Like to Have

Focus on Requirements, not Technology

- Operational Requirements will be our guide
- Maintain a neutral point of view, we will not assume that the new technology can or cannot meet our requirements.
- Our goal is to simply to state our requirements and let the network design engineers tell us what is and what is not possible.
- We understand that broadband wireless technology is significantly different from traditional land mobile radio technology, and we realize that our requirements may be met in a different way.