



FirstNet™

www.firstnet.gov

FirstNet Overview

Why FirstNet?



Public Safety Needs FirstNet



First Responders Deserve the Best Network	Flying Blind is Dangerous
Reliability Must Be Built In	Sharing One Network Improves Communication
Public Safety Needs Priority Access	Mass Markets Fuel Innovation
Special Events Attract Big Crowds	Budgets are Tight
Rural Emergencies Pose Coverage Challenges	Battling Threats Requires a Coordinated Response

First Responders Deserve the Best Network FirstNet™

- FirstNet will provide a reliable and resilient broadband network to perform life saving missions
- Rugged, easy to use devices designed to meet public safety requirements and provide a rich set of applications and services that will enhance their ability to do their jobs
- FirstNet will improve communications and save lives



Reliability Must Be Built In



- FirstNet is delivering a highly resilient and reliable network
 - Priority
 - Preemption
- Public safety-grade design
 - Extended life battery systems
 - Back-up power systems
 - Diverse routing of cell site links
 - Diverse cell site link technology



*The Majority of Cell Site Outages are Due to
Loss of Power and Loss of Data Links*

Public Safety Needs Priority Access



- FirstNet will provide public safety with priority communications so they can communicate without interruption



- Commercial networks do not permit preemption of commercial users during a disaster, making it inappropriate for emergency services today

*Communications Shortcomings
Are Amplified During Emergencies*

Rural Emergencies Pose Coverage Challenges



- FirstNet will provide first responders a network connection in the most remote regions of the country, enabling rescue and response support in life-threatening emergencies



Reliable, Mobile Coverage Solutions Because Emergencies Don't Just Happen Where People Live

Special Events Attract Big Crowds

- FirstNet will deliver mobile and robust capacity, as well as enhanced coverage to keep citizens safe during
 - Concerts
 - Art festivals
 - Sporting venues
 - Political rallies

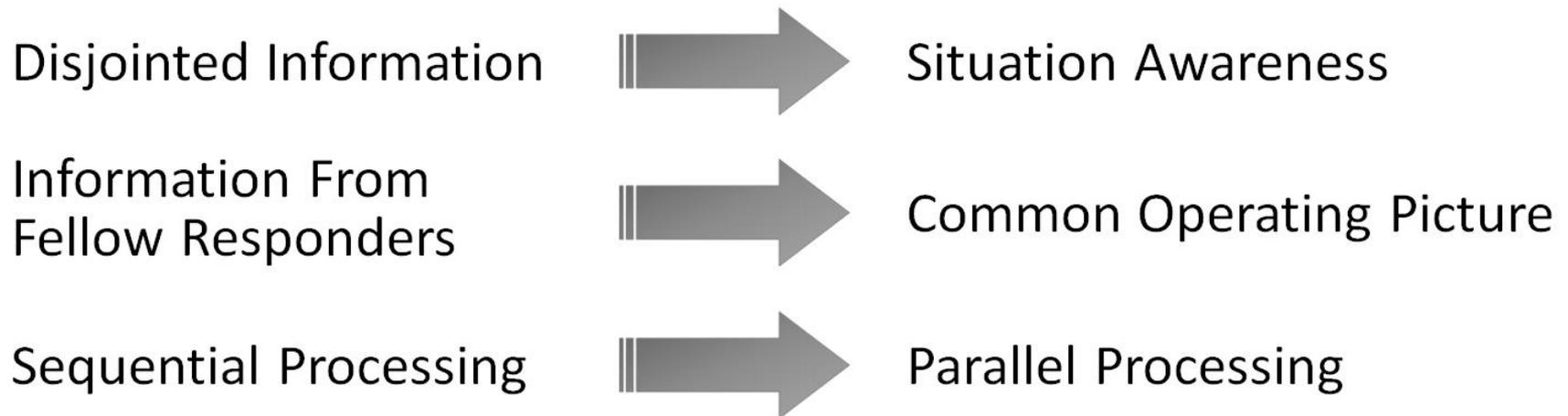


Capacity is Not Only an Issue During Emergencies

Flying Blind is Dangerous



- FirstNet will carry high-speed data, location information, images, and eventually streaming video that can mean the difference between life and death



Information/Data From a Broad Range of Connected Alert Systems Can Help Save Lives Once Directed to 9-1-1 Centers and First Responders

Battling Threats Requires a Coordinated Response



- FirstNet will create a single platform for public safety communications
- One network with interoperability built-in from day one will enhance public safety's ability to protect and serve
- In the face of terrorist attacks or natural disasters, public safety must have a nationwide network



Mass Markets Fuel Innovation



- A single nationwide network will drive development of new ways to perform public safety roles that are safer, more effective, and more efficient
- New applications will be created, new purpose-made devices will be available, and public safety will be able to serve our nation more efficiently than ever before



*Increased Vendor Competition and Economies of Scale
Will Drive Down the Final Cost to the Public Safety User*

Sharing One Network Improves Communication



- Today, first responders rely on more than 10,000 separate and often proprietary land mobile radio networks
- FirstNet's network will provide the latest communication technologies on a single nationwide network dedicated to public safety, ensuring interoperable communication among first responders



Budgets are Tight



- FirstNet will be able to offer a dedicated public safety service at a highly attractive rate that will in turn enable state and local governments to save on operating costs
- Costs for public safety entities will be reduced by leveraging the value of excess network capacity with partners

Questions

