



JerseyNet is a deployable, wireless data network dedicated for public safety.

Background

JerseyNet was created as a proof of concept for the First Responder Network Authority's (FirstNet) Nationwide Public Safety Broadband Network (NPSBN). The project was funded by the fiscal year 2010 Broadband Technology Opportunities Program (BTOP), a grant provided by the US Department of Commerce's National Telecommunications and Information Administration. Today's wireless communications services used by public safety agencies are dependent upon commercial infrastructure, leaving first responders to compete with the general public for limited bandwidth. These services can also become unreliable in severe weather, in rural areas, or when physical infrastructure has been compromised. For police, fire, and medical services, unreliable wireless service can degrade critical communications and put lives at risk. JerseyNet provides new wireless capabilities to first responders while demonstrating the future potential of the NPSBN.

Capabilities

JerseyNet provides constant communication service throughout three geographic regions in New Jersey: the Route 21 corridor, Camden County, and Atlantic City. Deployable assets can also provide temporary communication service at any location in or around New Jersey. When on location, JerseyNet can facilitate interoperability among existing radios in use on scene, enable access to mobile applications used by first responders, and provide Internet access that is not dependent upon the existing commercial network.

JerseyNet can be deployed at the request of governments or public safety agencies within the state. It has been deployed to multiple events in and around New Jersey, including the visit of Pope Francis to Philadelphia, the Atlantic City Air Show and Miss America Pageant, the PGA Championship at Baltusrol Golf Club in Springfield, and the 96th Annual Far Hills Steeplechase.

To learn more:

Please contact the JerseyNet team to request information or training:

www.njohsp.gov/jersey.net | jerseynet@njohsp.gov

JerseyNet Deployable Systems

Eight Systems on Wheels | 34 Cells on Wheels

System on Wheels (SOW) Tahoe

- Highly mobile four-wheel drive
- Dedicated, secure wireless coverage over a one to three mile range
- Satellite connectivity to the Internet
- Equipped with cache of user devices



System on Wheels (SOW) Trailer

- Transportable, inclement weather resistant
- Dedicated, secure wireless coverage over a three to five mile range
- 60 foot telescoping tower with 97 mph wind rating
- Two-person setup in a two parking space footprint
- Accessible for 6'-6" parking garage deployment
- 72 hour self-sustaining generator power
- Satellite connectivity to the Internet
- Microwave capacity connects to all Cells on Wheels (COWs) within the region



System on Wheels (SOW) Van

- 60 foot telescoping mast
- Dedicated, secure wireless coverage over a three to five mile range
- Satellite connectivity to the Internet
- Equipped with cache of user devices



Cell on Wheels (COW) Trailer

- Transportable, inclement weather resistant
- Extends secure wireless coverage range an additional three to five miles
- 60-foot telescoping tower with 97 mph wind rating
- Two-person setup in a two parking space footprint
- Accessible for 6'-6" parking garage deployment
- 72 hour self-sustaining generator power

