

PUBLIC SAFETY DATA NETWORK

Office of Statewide Emergency
Telecommunications

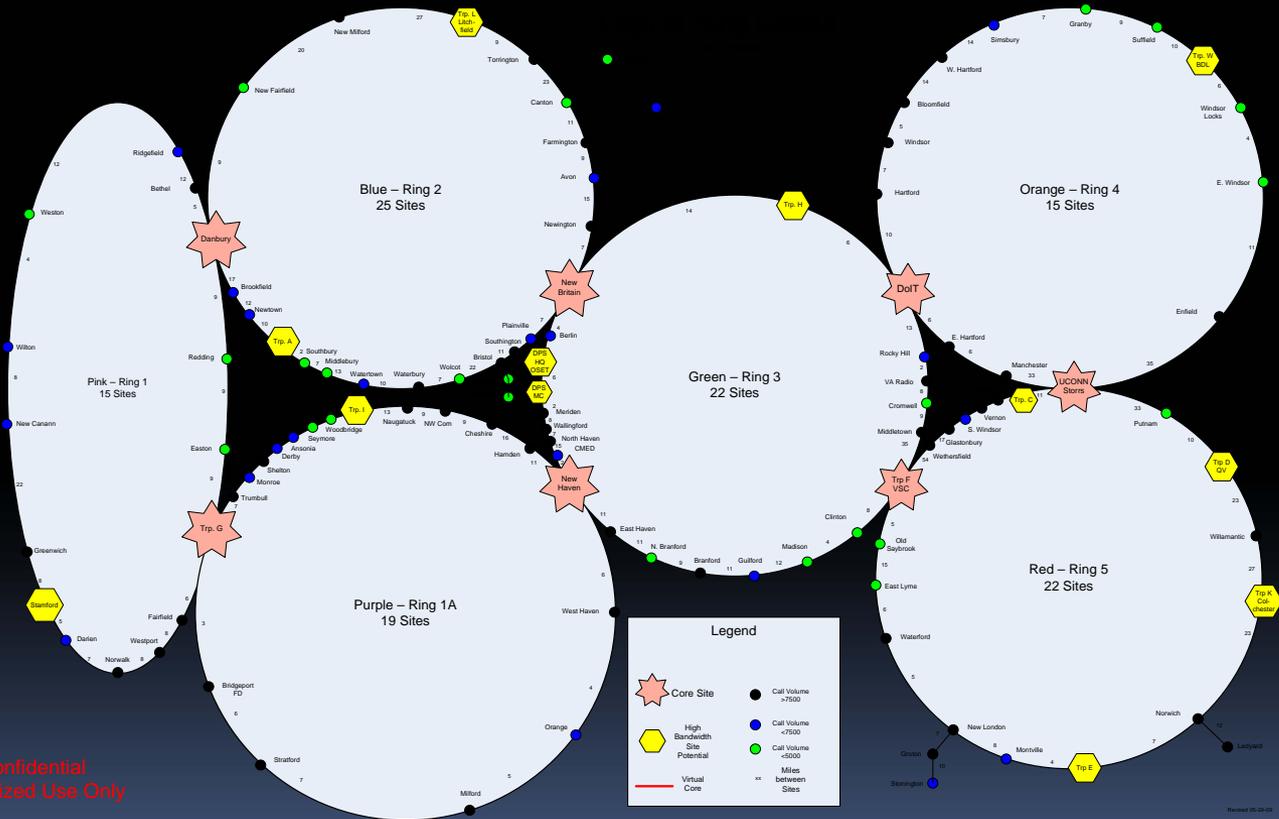
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PUBLIC SAFETY DATA NETWORK

- PSDN: high speed, optical based data transport network connecting 112 public safety sites; initially supporting applications for 911, Collect and P25 Radio Interoperability (Phase I)
- Dual counter direction rings allows for resiliency and no single point of failure
- Two interconnection points on each ring to an adjacent ring for added resiliency
- 1 – 10G lightwave per ring plus 10G core lightwave
- Fast switchover to opposite direction ring (<50ms) allows continuous operation without interruption

PUBLIC SAFETY DATA NETWORK



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PUBLIC SAFETY DATA NETWORK

What all this means...

- FAST
- RELIABLE
- HUGE CAPACITY FOR GROWTH

BTOP GRANT AWARD

- 2010: DESPP/DOIT/CEN applied for Federal BTOP Grant
- Broadband Technology Opportunity Program (American Reinvestment Recovery Act)
- Provided by Dept. of Commerce National Telecommunications and Information Administration (NTIA) and US Dept. of Agriculture Rural Utilities Service
- Intent: to support the deployment of broadband infrastructure

BTOP GRANT AWARD

- \$117.3M requested for broadband to expand:
 - PSDN – NG911, Collect, P25 Radio System
 - Connecticut Education Network (CEN)
 - POP2 – Disaster Recovery Hub for State Network
- Sept. 2010: \$93.9m award, \$23.4m DESPP match
- \$56.5m Public Safety, \$37.4m Education

BTOP GRANT AWARD

- 5,500 fiber miles, 667 sites
- 547 public safety entities:
 - 112 PSAPs
 - 77 Police Depts
 - 274 Fire Depts
 - 57 DESPP facilities
 - 26 Tower locations
- 120 education sites (schools/libraries)
- POP₂

GRANT REQUIREMENTS and PROGRESS TO DATE

- Network to be 67% complete by Sept. 2012
- Fully complete by Sept. 2013
- Baseline work plan and budget projections submitted to NTIA
- Quarterly Federal financial and program progress reports submitted
- Environmental Impact Assessment conducted
- Communication Plan under development

GRANT REQUIREMENTS and PROGRESS TO DATE

- Phase I deployment:
 - Electronics and fiber installed at PSAPs
 - Disaster recovery and application testing underway
 - Collect activation early 2012
- Phase II construction underway:
 - Fiber and equipment designs finalized
 - Site surveys in progress
 - Equipment being ordered/shipped
 - Fiber being deployed

WORK IN PROGRESS

- OPEN ACCESS TO THE NETWORK...
 - For Exchange of Traffic and Internet Access
 - Technically Feasible
 - Reasonable Rates

- GOVERNANCE
 - Governing Board Structure – Proposed Coordinating Advisory Board
 - Representation on the Board
 - Roles and Responsibilities of the Board

WORK IN PROGRESS

- GOVERNING BODY RESPONSIBILITIES
 - Technical Assessment
 - Ordering
 - Provisioning
 - Network Monitoring
 - Repair Procedures
 - Maintenance Procedures
 - Cost Recovery Model and Financial Controls
 - Legal Agreements/MOU
 - Security

Thank You!