

Piedmont Regional Voice over IP Pilot Project

The Information Technology & Innovation
Foundation Event

Washington, DC
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Major Dean Hairston,
Danville Police Department
City of Danville, Virginia



Piedmont Regional Voice over IP Pilot Project Structure

The Piedmont Regional Voice over IP Pilot Project is a collaborative effort between a consortium of agencies and Cisco Systems, with the City of Danville serving as host agency.

Sprint / Nextel has provided T-1 Lines, VoIP and Push-to-talk Phones

NIJ CommTech is a participant observer and serves as an advisor to the City of Danville Police Department.

Piedmont Regional Voice over IP Pilot Project Participating Agencies

- Pittsylvania Co., Virginia



- Caswell Co., North Carolina



- Virginia State Police

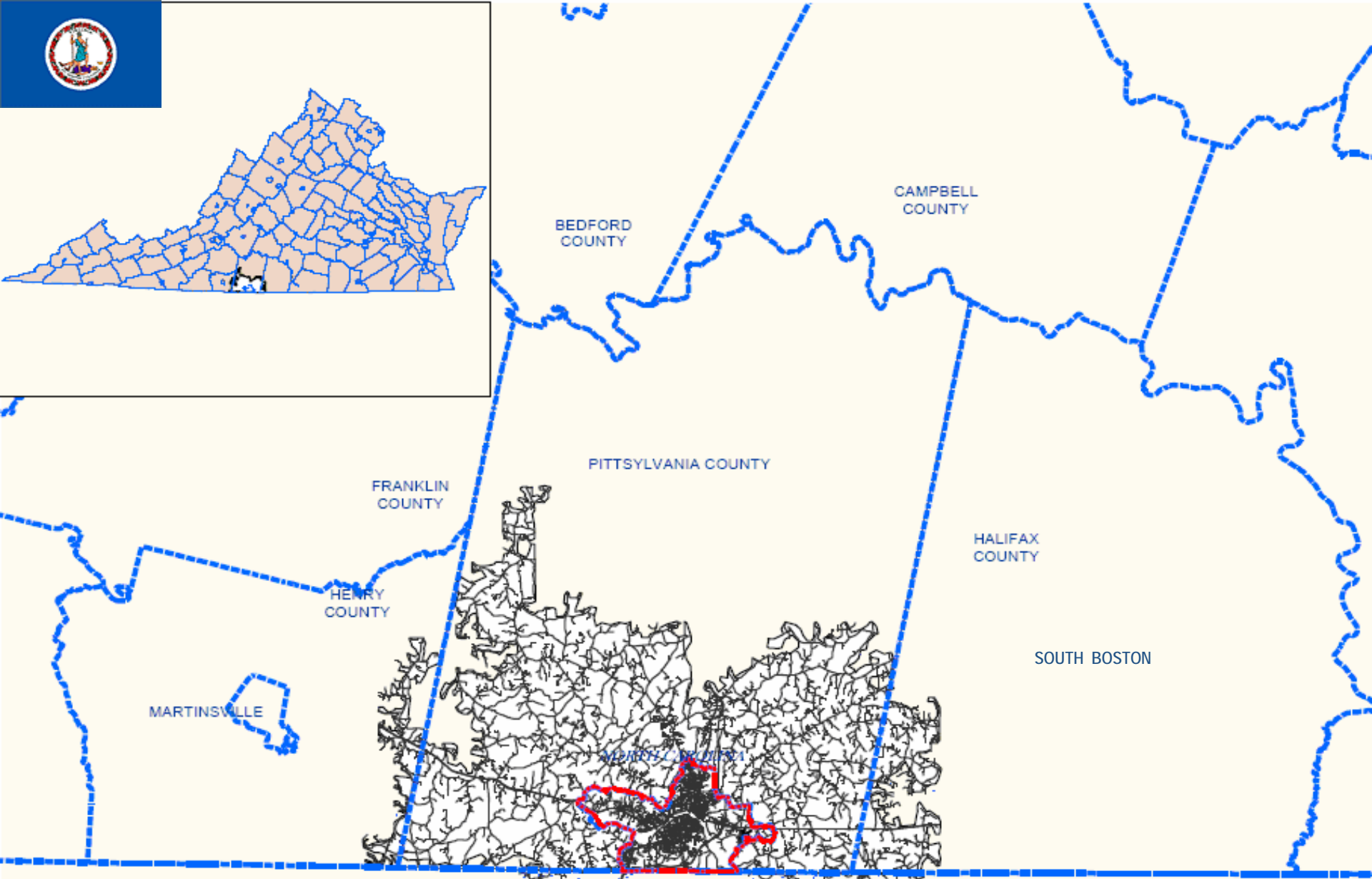
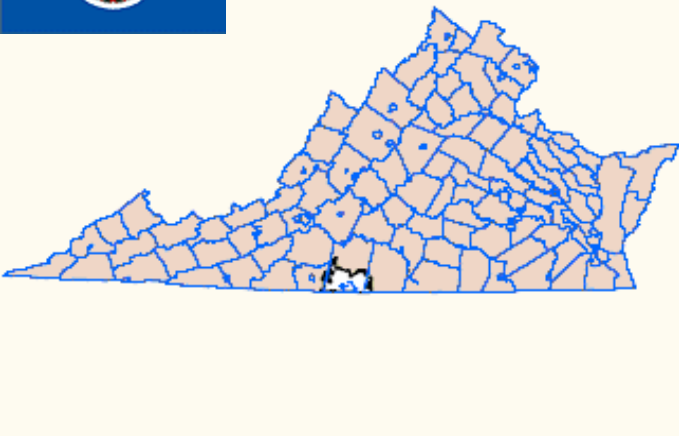


- North Carolina State Highway Patrol



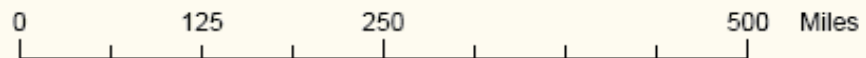
- Town of South Boston & Halifax, VA





Caswell County, N.C.

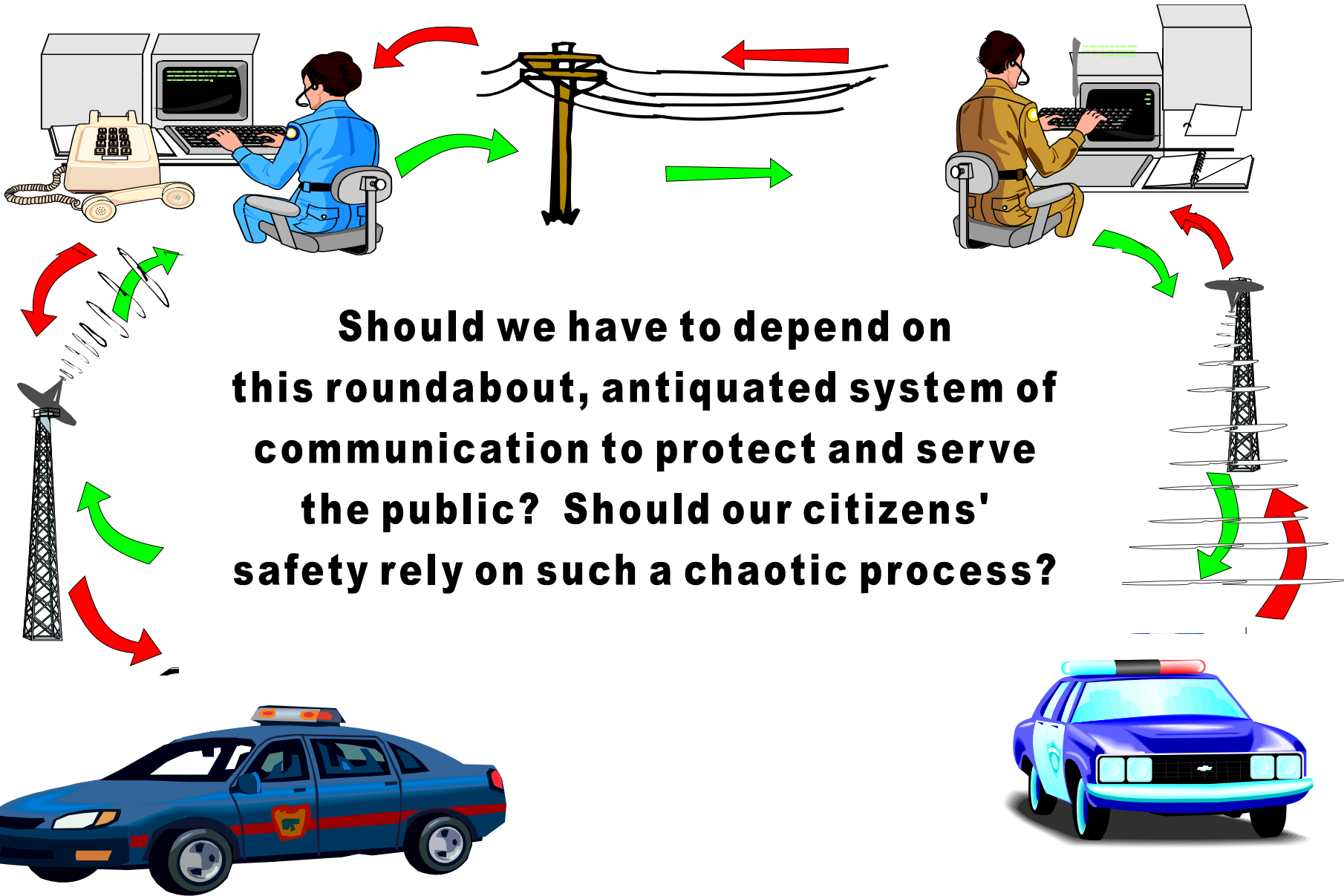
Service area covers 500 square miles



Piedmont Regional Voice over IP Pilot Project

Problem Statement

- Lack of a common frequency to connect Virginia and North Carolina agencies
- During emergency situations, officers were forced to rely on dispatchers relaying information via landlines
- Timeliness and accuracy of information being relayed

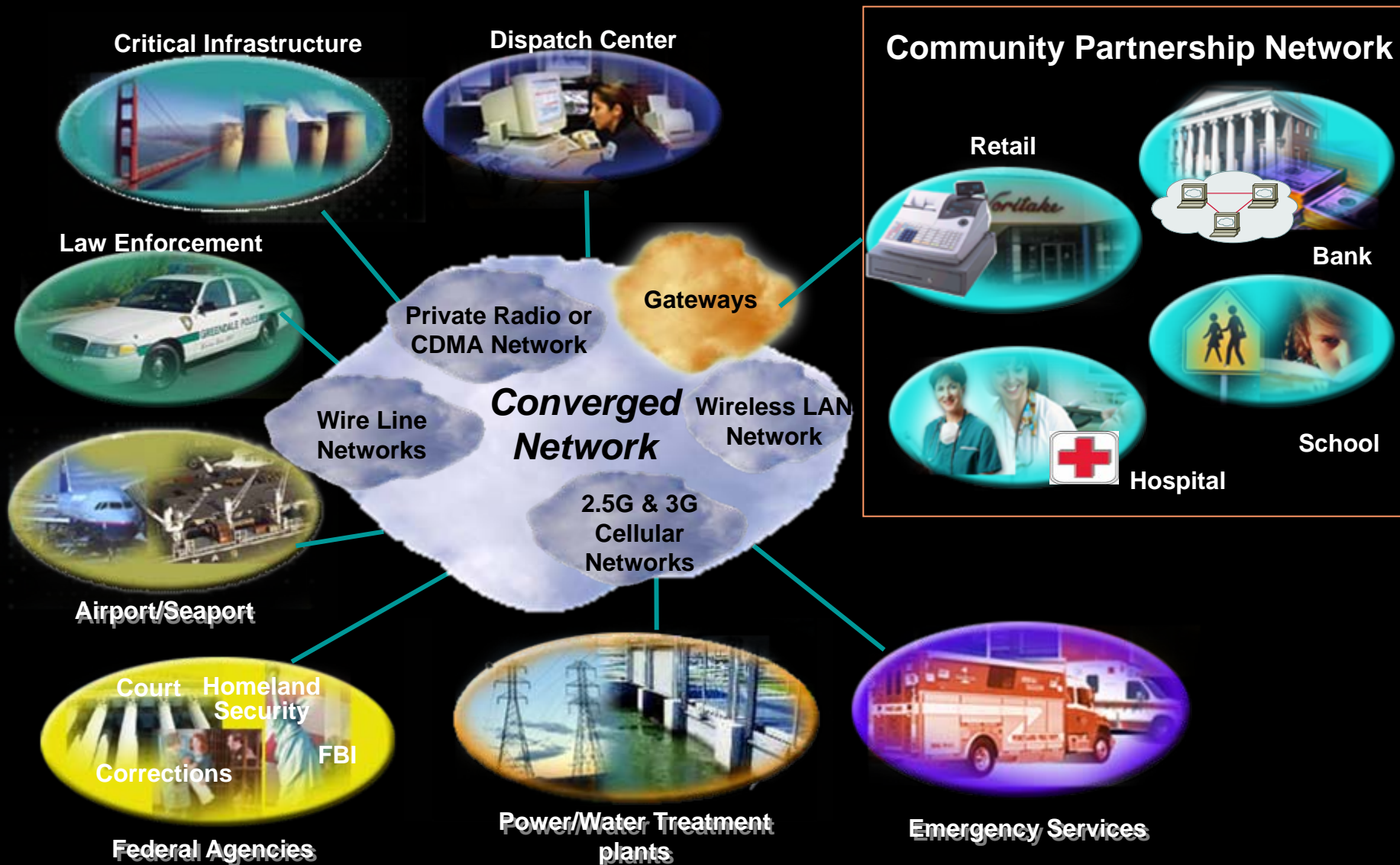


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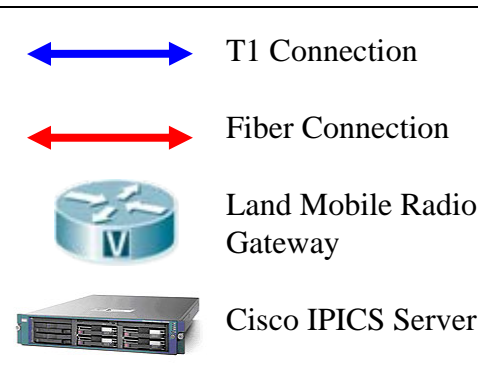
Needs Assessment

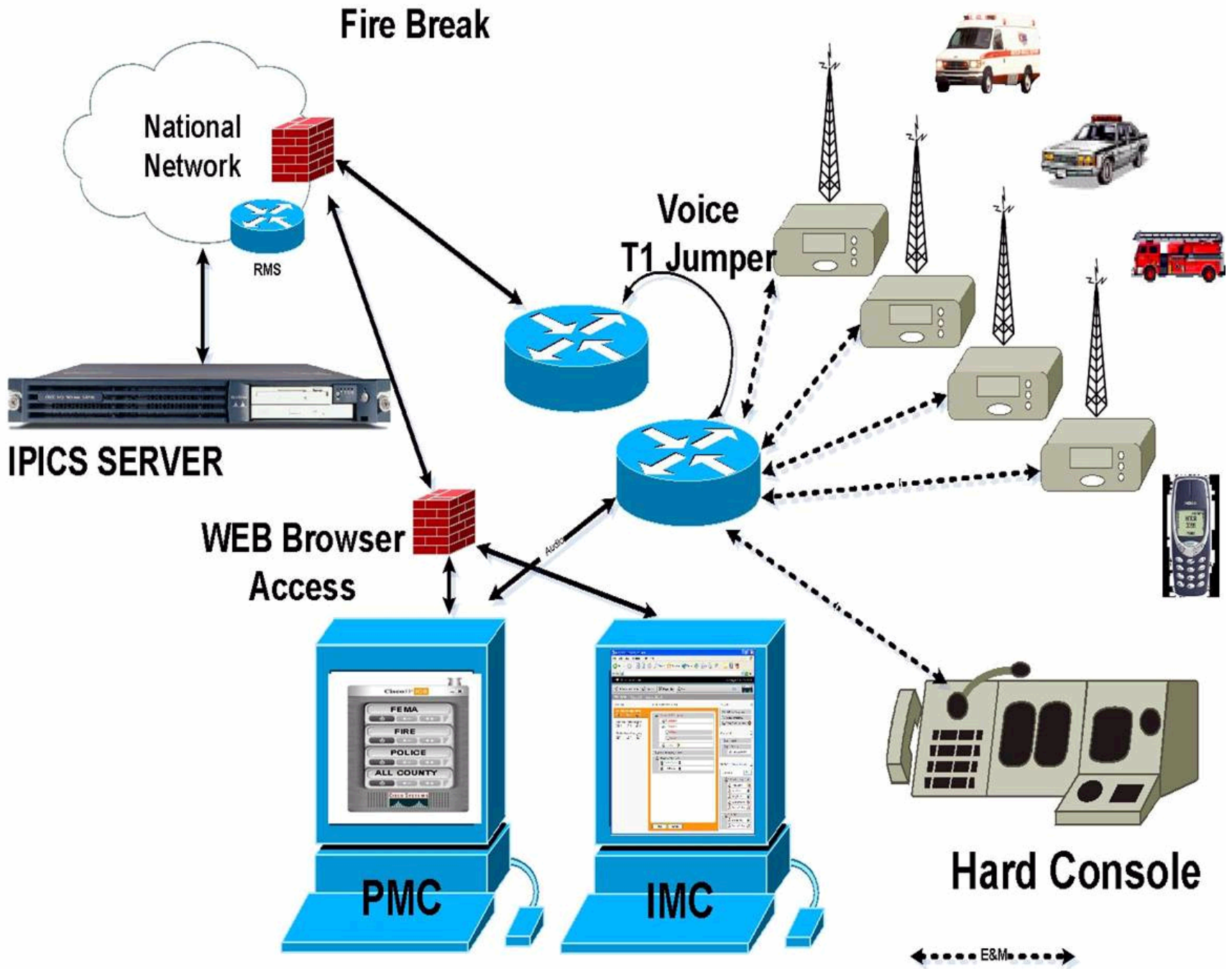
- Improved officer safety through direct communication and coordination
- Ability to create interoperability through relatively simple system modifications as opposed to system replacement
- Flexible and affordable interoperable solution

Project Goal - Implement a flexible and expandable integrated radio system using a Voice over IP network



Piedmont Regional Voice over IP Pilot Program





Active VTGs

There are currently no active virtual talk groups.

VTG Templates

1-29

Test-7-1

VTG Template Details

VTG Name:*

- Danville PD3
- Public Works

Channels [Search](#)

- Intercom 1
- Nextel 1
- Nextel 2
- PD1 Ritron
- Public Works

Users [Search](#)

- Admin, IPICS
- Admin, NCHP
- Admin, VSP
- Bailey, Peter
- Broadfoot, Phillip

VTGs [Search](#)

- Test-7-1

Cisco IPICS



CISCO SYSTEMS



Piedmont Regional Voice over IP Pilot Project

For more information contact:

- Major R. D. Hairston (434) 799-6505 /
hairsrd@ci.danville.va.us
- Regional National Law Enforcement and
Corrections Technology Center:
Northeast (Rome, NY) 888-338-0584
Southeast (Charleston, SC) 800-292-4385
- NIJ CommTech –
<http://www.ojp.usdoj.gov/nij/topics/commtech/>