



# **Developments in Public Safety Technology: Information Sharing; Consolidation and Ubiquitous Broadband**





# MASSNET

MASSACHUSETTS SAFETY & SECURITY NETWORK

## PUBLIC SAFETY INTEROPERABILITY



MASS EXECUTIVE OFFICE OF PUBLIC SAFETY & SECURITY - INFORMATION SERVICES GROUP

[www.mass.gov/EOPS](http://www.mass.gov/EOPS)

# Public Safety & Security

Vol 4 Issue 6



June 2012

## Networks working together

Crime Doesn't Stop at Borders, p. 3

## One System, One Vision

New statewide network combines data, voice, radio and private sector access within nationwide crime fighting databases to enhance safety of Commonwealth, p. 11

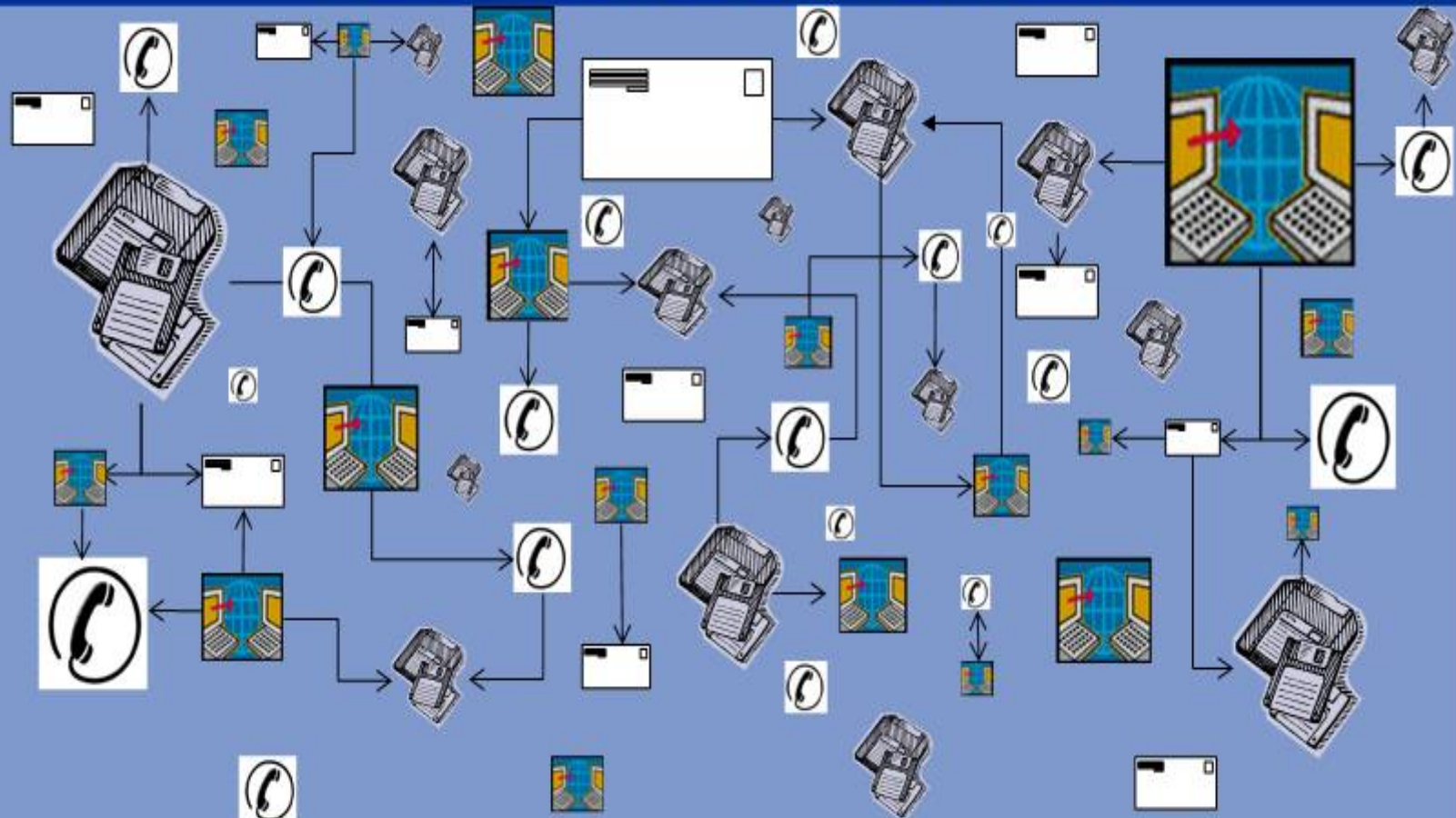
## How safe is your neighborhood?

Protecting Massachusetts, p. 17

### Project Safety:

Advancement in technology allows public safety agencies to increase scope of information sharing, p. 21

## Commonwealth's Existing IT Environment

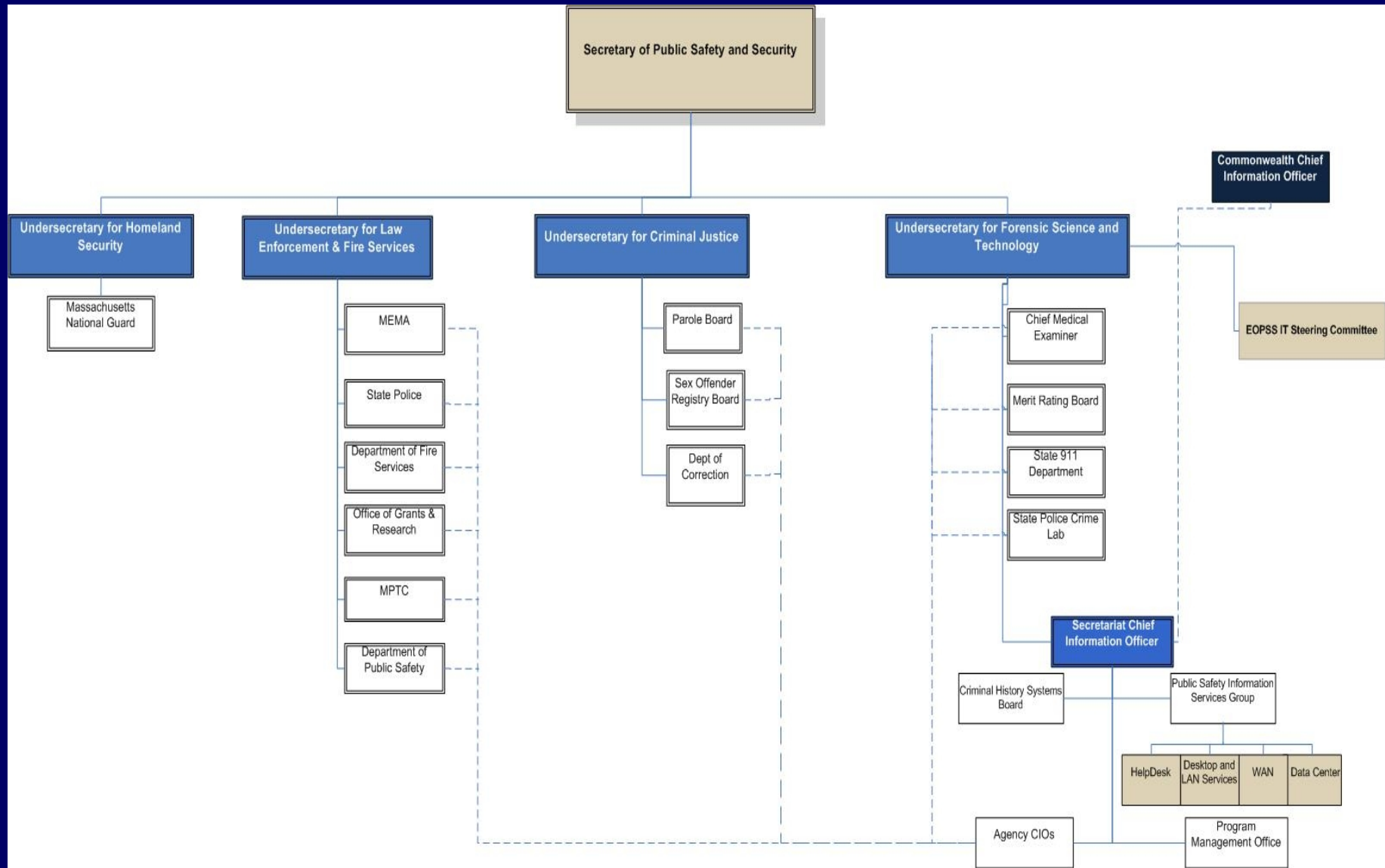


100 Phone  
Systems

15 Major Data  
Networks

183 Data  
Centers

24 Email  
Systems

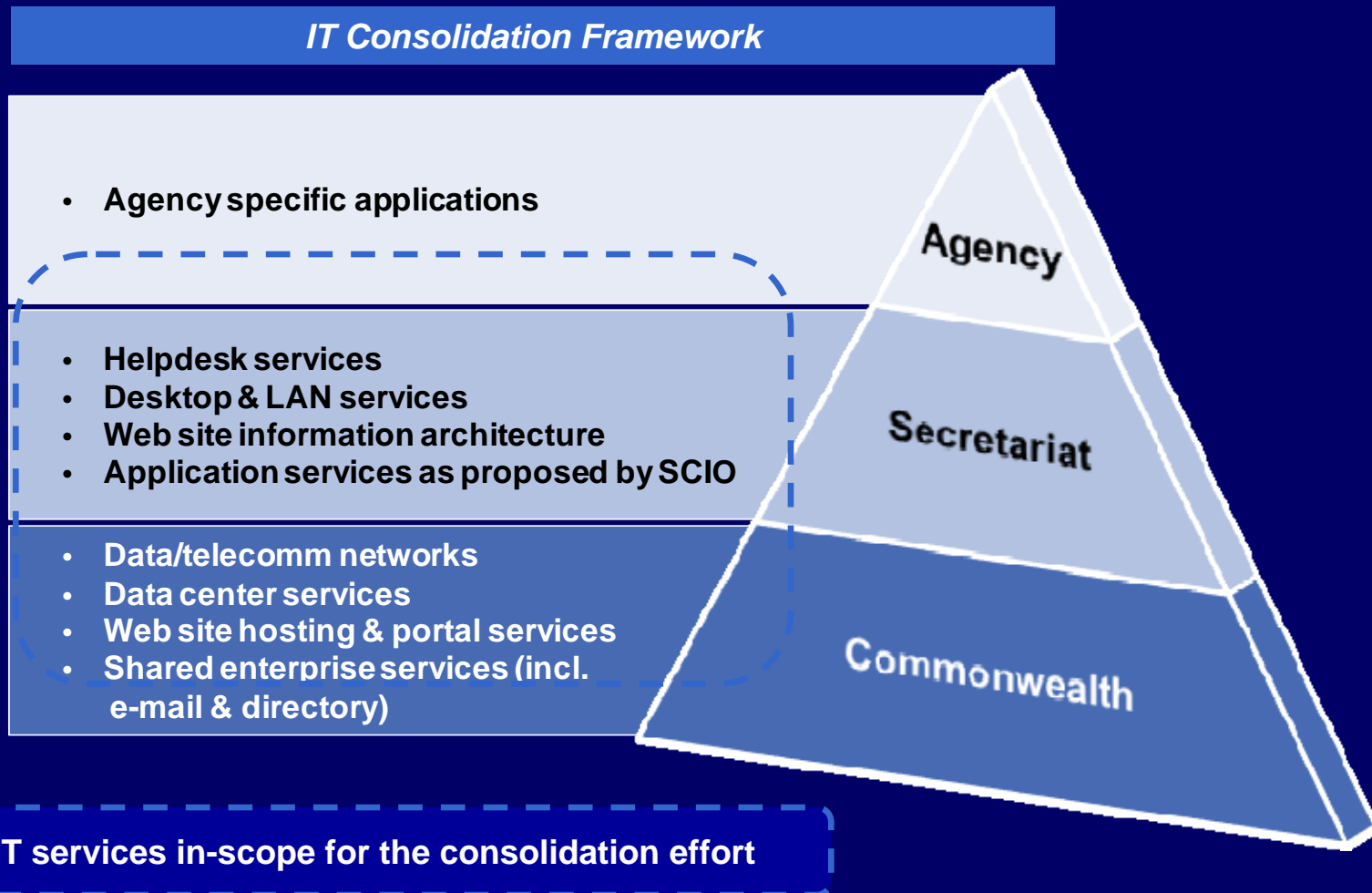


Kevin M. Burke, Secretary of Public Safety and Security

Agency CIOs have a dotted line reporting relationship to the agency.

# How will the Commonwealth approach IT consolidation?

- Consolidation will reach “substantial completion” over a 2-year time period
- A federated model will be used to consolidate services at the Secretariat and Commonwealth-levels



**Phase 1:  
Plan**

*Mar – Jul '09*

**Phase 2:  
Ramp-up**

*Jul – Sep '09*

**Phase 3:  
Implementation**

*Oct '09 – Dec '10*

**Phase 4:  
Benefits  
Realization**

*Oct '09 – Dec '10+*

- Established IT Governance Model and Bodies
- Appointed SCIOs
- Consolidated Secretariat IT Budgets
- Developed High-Level Commonwealth and Secretariat Level Consolidation Plans

- Inventory Assets of Major Services
- Create Common Processes and Tools
- Develop Infrastructure Consolidation Playbook
- Plan for Staff Transition, Training, and Career Paths
- Begin implementation of Secretariat Consolidation Plans
- Refine Chargeback Model
- Define ISA Guidelines and Staffing Impacts on Budgets

- Upgrade ITD Infrastructure Capabilities
- Consolidate 4 Infrastructure Services in Waves at ITD
- Implement Secretariat Consolidation Plans led by SCIOs and Steering Committees

- Complete Final Consolidation Waves
- Track and Measure IT Consolidation Benefits
- Focus on Enhanced Service Delivery



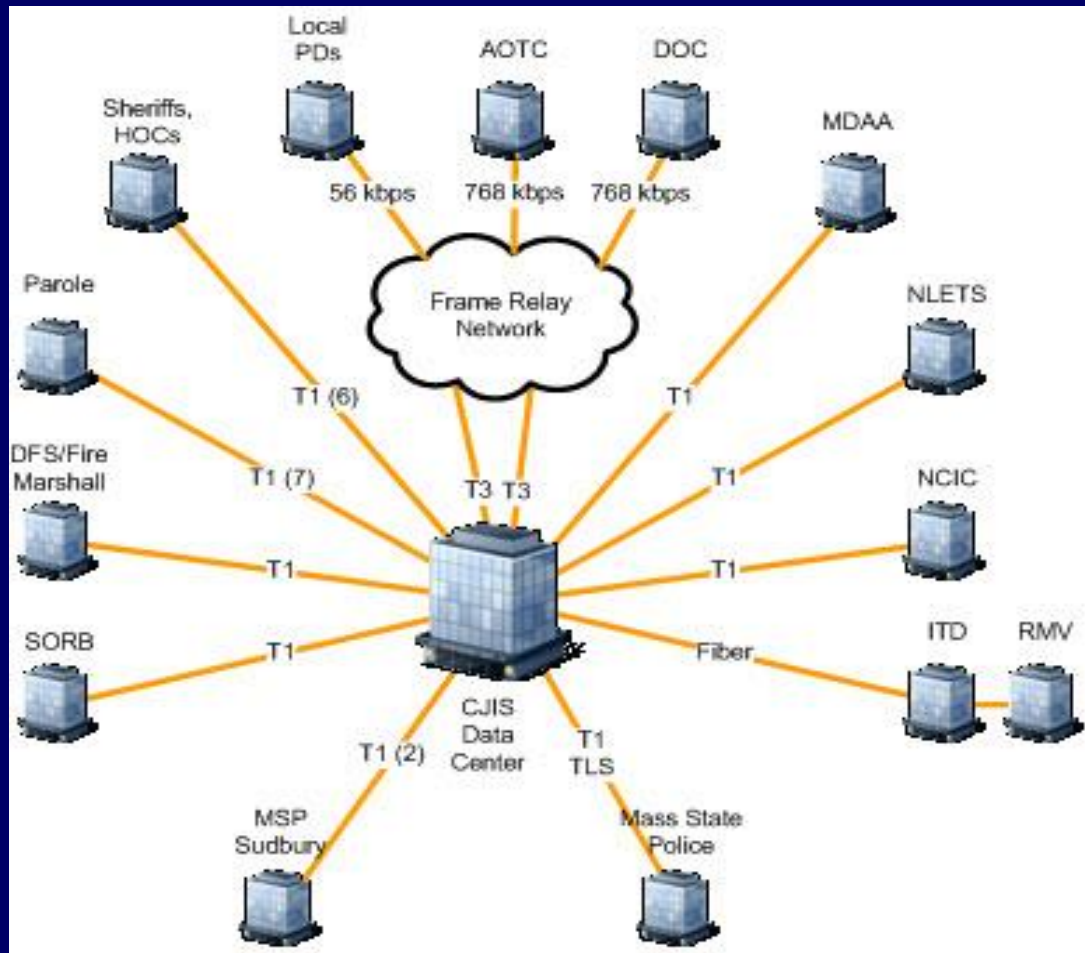
# Current Status of Public Safety Network

- **CJIS consists of over 400 Verizon 56k frame relay data circuits and approximately 20 T-1 data circuits terminating at the Public Safety Data Center at the Massachusetts Information Technology Center (MITC) in Chelsea, MA.**
  - **Adding 100mb Ethernet service to MSP HQ/MEMA and Fusion Center**
- **There are 30 municipal police departments in Western Massachusetts that do not currently connect to the CJIS WAN and therefore receive no CJIS service.**

# Current Status of Public Safety Network

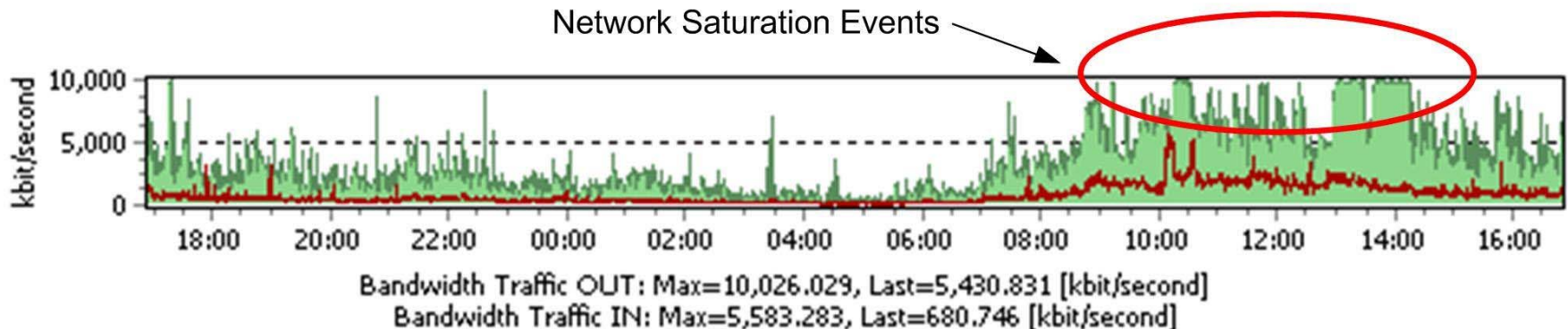
- In Boston area, PSNet runs nascent fiber and microwave network that the CJIS is developing connection to.
- MSP has existing MPLS network across Commonwealth and is developing 800 MHz digital radio system west of 91.
- DoC has statewide frame relay network.
- 911 has no inter-PSAP connectivity; use sneaker net to update maps, etc.

# Current Status of Public Safety Network



# Current Status of Public Safety Network

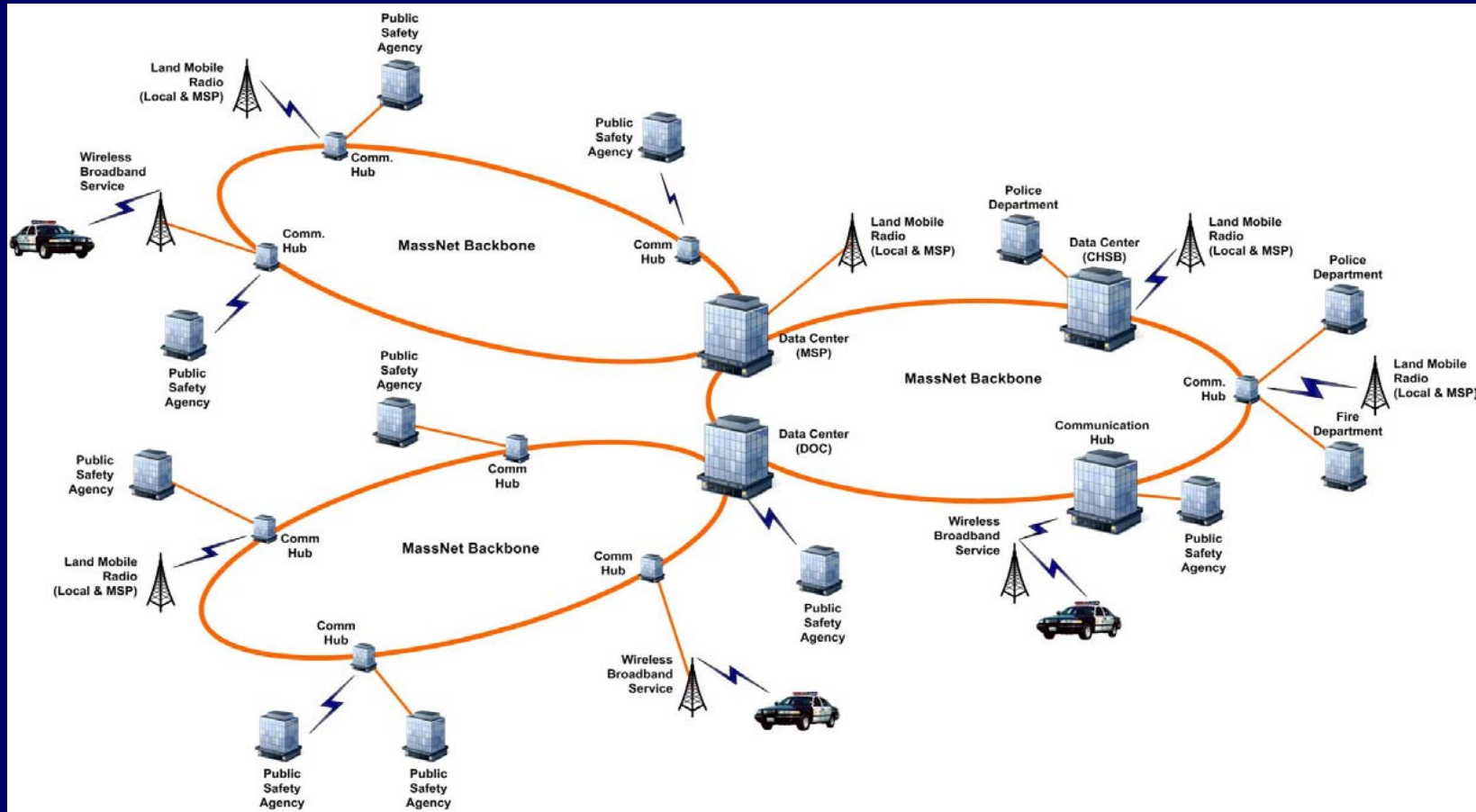
- We provide inadequate service to today's users -- 700 public safety agencies and 30,000 law enforcement officers in the Commonwealth alone -- even with applications designed for current network.



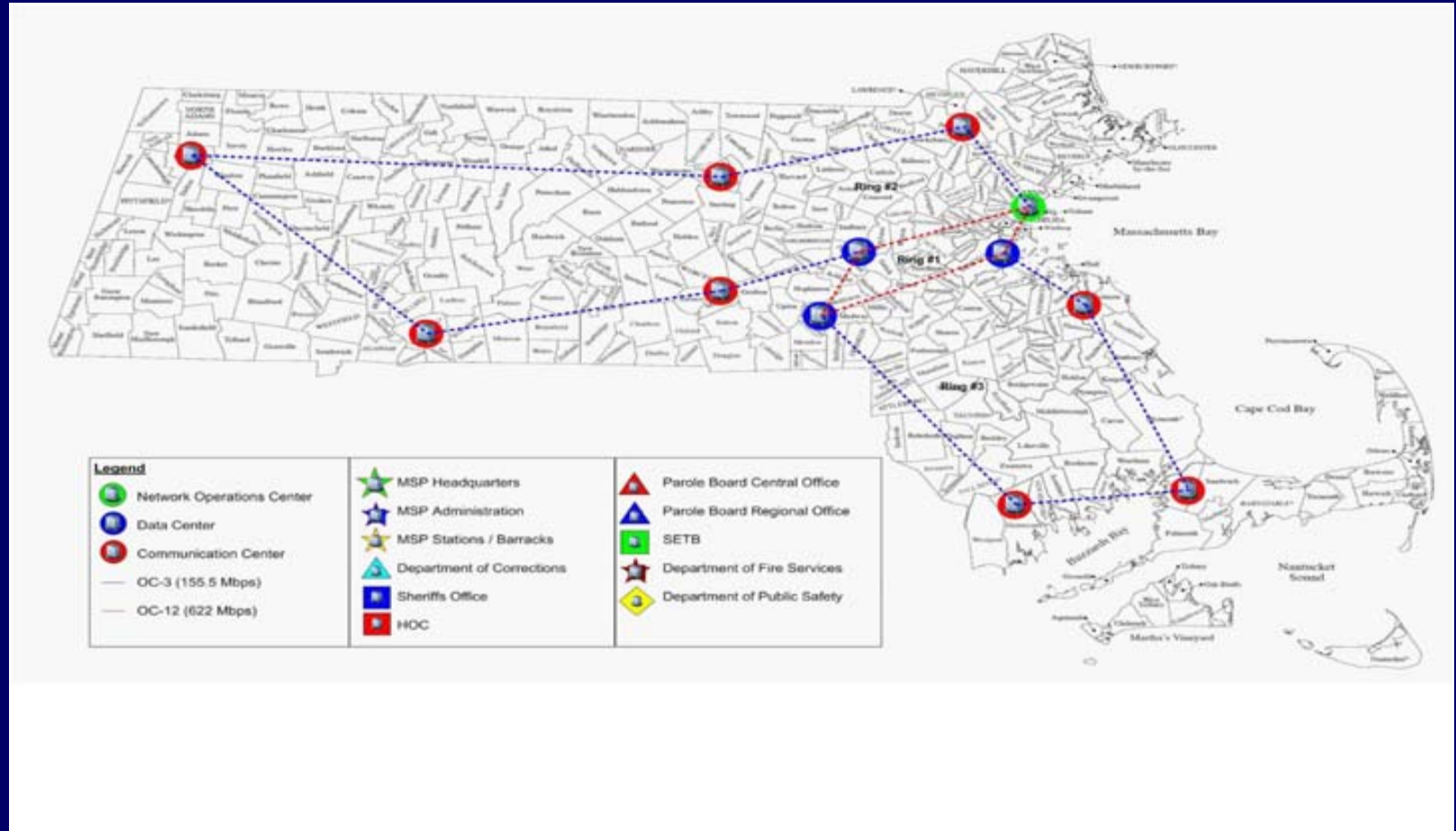
# The MaSSNet Plan-- Pre ARRA/Pre Collaboration

- **Statewide public fiber optic backbone incorporating a 3 ring design with multiple communication hubs strategically located: 1 OC -12 (622 Mbps) ring in the greater Boston area and 2 OC-3 (155.5 Mbps) rings serving central/western Massachusetts and the southeast/Cape Cod area.**
- **The estimated cost for this project including the high-speed distribution network (last mile) to the Commonwealth's communities is \$40.4 million (\$26.4 million infrastructure and \$14 million in design and implementation).**
- **Phase 1 is under way with the Public Safety Data Center core network infrastructure and security upgrade contracts awarded at a cost of \$3.3 million funded through State Bond funds.**

# The MaSSNet Plan-- Pre ARRA/Pre Collaboration



# The MaSSNet Plan-- Pre ARRA/Pre Collaboration

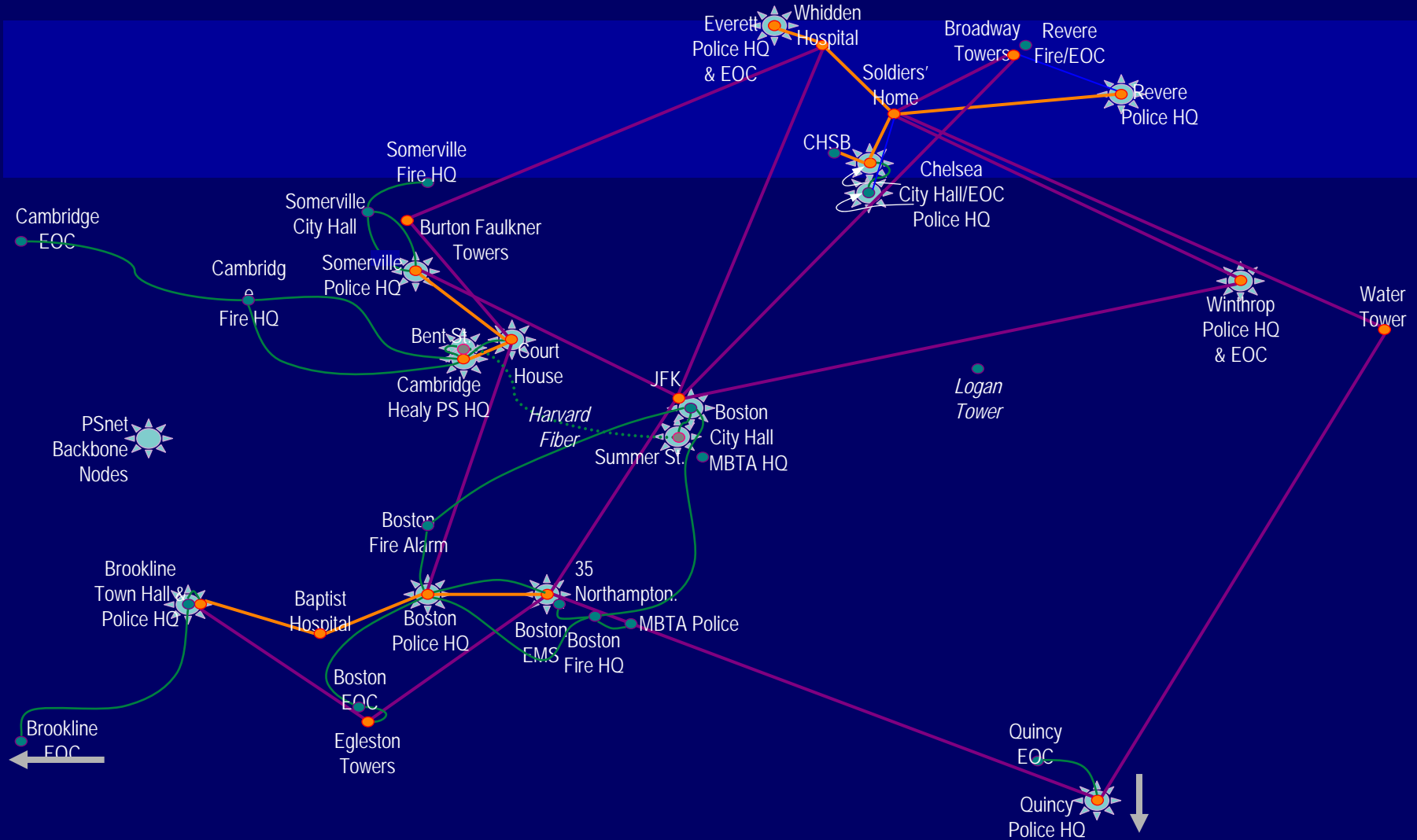




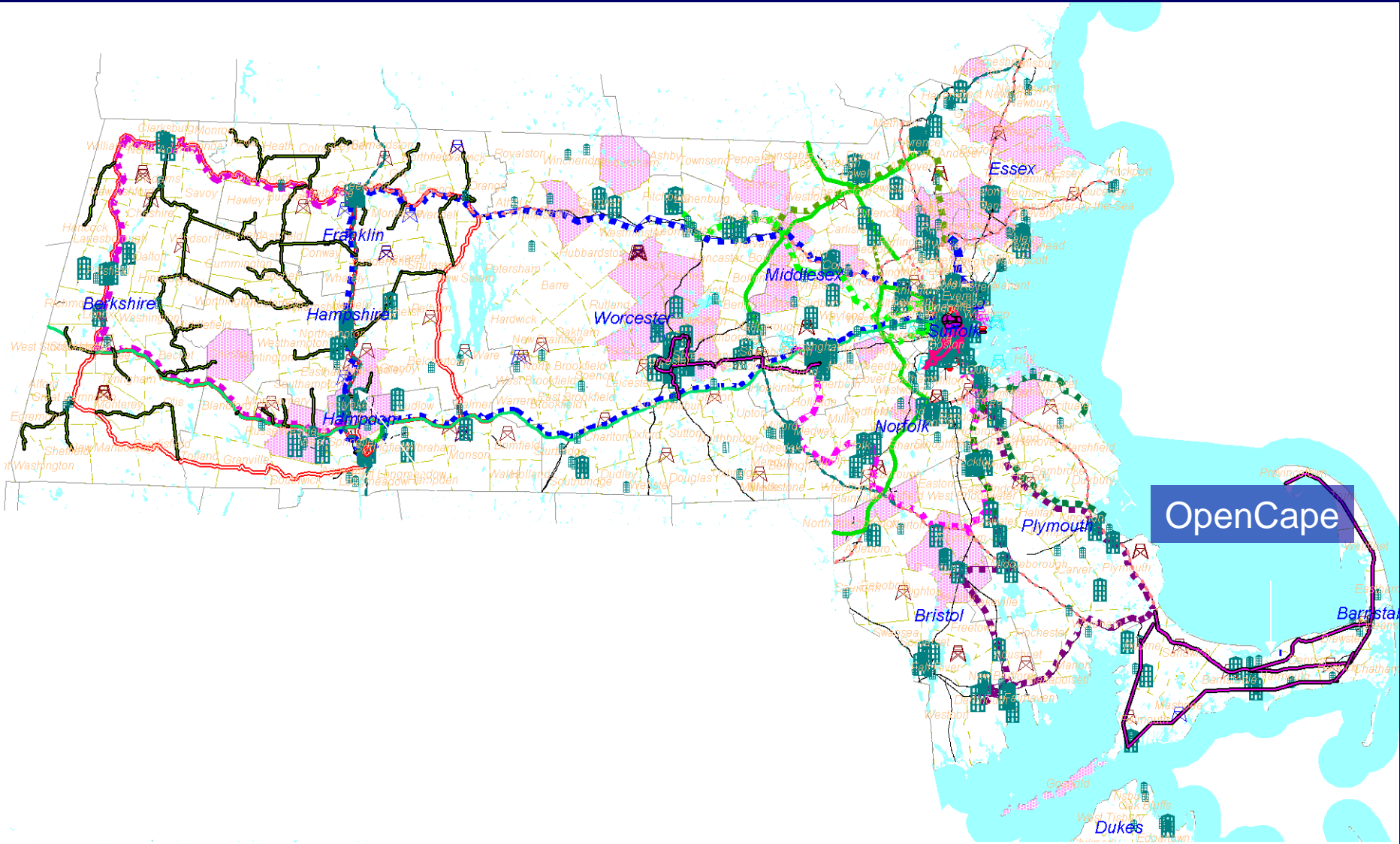


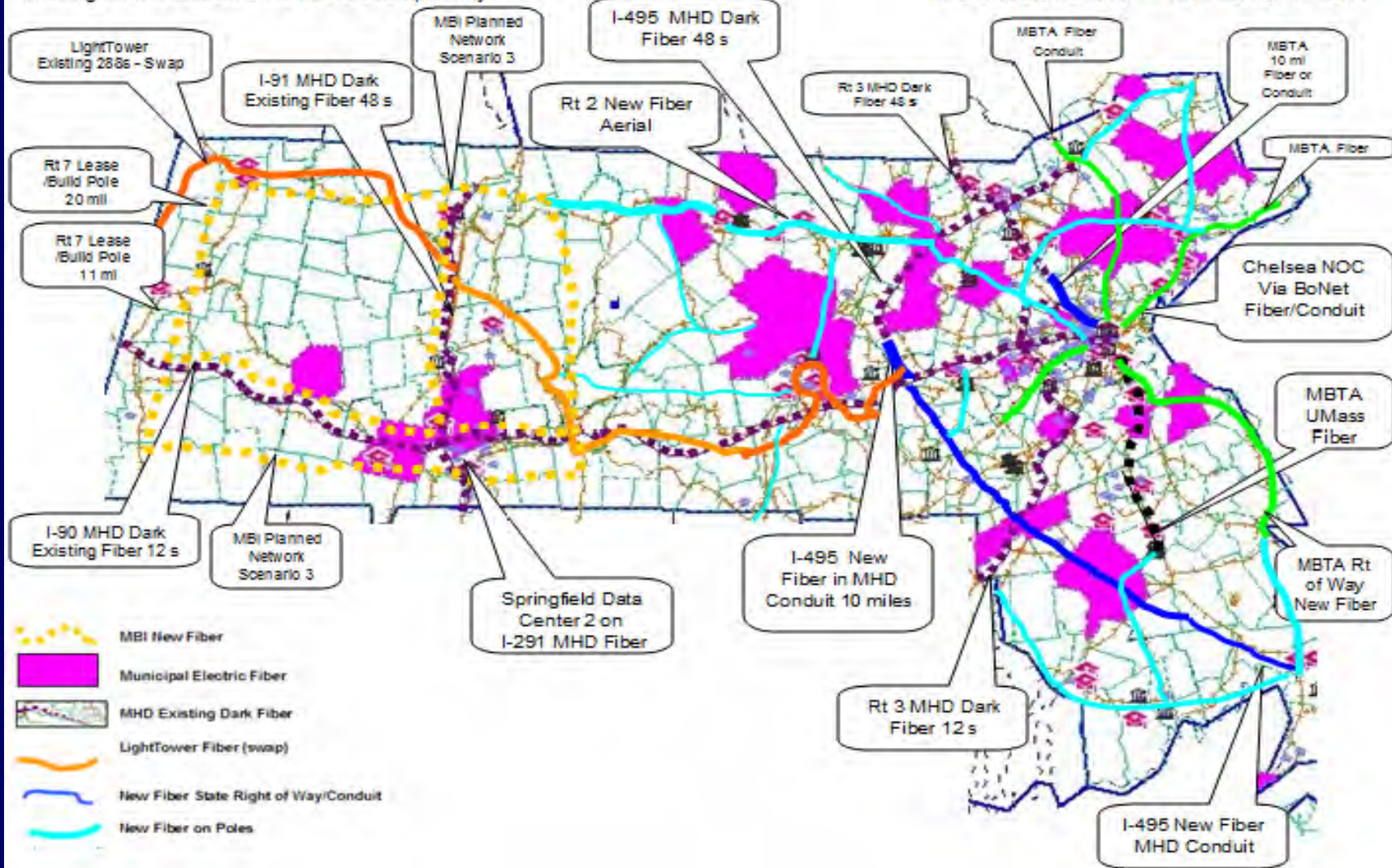


# PSnet: Integrated Regional Resources



# OpenCape, MBI and Muni Electrics





# “SWISS”: The Statewide Information Sharing System

- Number of Police Agencies Contributing Data to SWISS: 62
- Number of incident reports in SWISS: 248,992
- Number of Agencies Ready to Deploy SWISS: 93

# SWISS Search

## Advanced Incident Search

Perform Search

Use the search fields below to find an incident report. The 'Incident Start Date Range' and 'Search By' fields are required for this search. Please Note: Only reports containing ALL selected search criteria will be returned in the Search Results.

### Date Range

\*Incident Start Date Range:  SELECT DATE  SELECT DATE  
From Date (MMDDCCYY) To Date (MMDDCCYY)

### Incident Narrative/Descriptions

Narrative/Description Search:  Search Incident Narratives Only  
 Search Incident Narratives and Other Description Fields

### General Incident Information

Primary Incident Category:

- Abandoned Auto
- Accident Conditions Unknown
- Accident Hit And Run Injury
- Accident Hit And Run Property

[Select All Categories](#) [Deselect All Categories](#)

[Expand](#)

\*Search By:  Statewide  Region  Agency

Agency Incident No.:

Location Street Address:

Location Highway:

Location City:

Location County:

[Person \(Expand\)](#)

[Vehicle \(Expand\)](#)

[Drug \(Expand\)](#)

# SWISS

## Incident Search Results

### Incident Search Results

[\[Modify Search\]](#) [\[Save Search Parameters\]](#) [\[Print Full List\]](#)

20 incident reports match your search criteria. Click on a 'SWISS Incident No.' link to view a full incident report.

**-SEARCH CRITERIA-**

- From Date: 01012008
- To Date: 03132008
- Search By: Agency [More...](#)

Sort By: [Incident Start Date](#)  | [SWISS Incident No.](#) | [Originating Agency](#) | [Primary Incident Category](#)

**SWISS Incident No.:** [48325](#) **Agency Incident No.:** 08-53-OF (Search Result 1 of 20)

**Incident Start Date:** 01/04/2008

**Originating Agency:** ASHBURNHAM PD

**Primary Incident Category:** Public Service

**Narrative:** I wrote a report for that case that involves Traffic, Town By-law Offenses which occurred on 01/04/2008. I responded to a call that was reported with the situation of Motor Vehicle Stop. This is the free text narrative section where the circumstances can be further explained.

**SWISS Incident No.:** [48190](#) **Agency Incident No.:** 08-59-OF (Search Result 2 of 20)

**Incident Start Date:** 01/04/2008

**Originating Agency:** ASHBURNHAM PD

**Primary Incident Category:** Unknown

**Narrative:** I wrote a report for that case that involves Pornography / Obscene Material which occurred on 01/04/2008. I responded to a call that was reported with the situation of Prostitution. This is the free text narrative section where the circumstances can be further explained.

**SWISS Incident No.:** [48125](#) **Agency Incident No.:** 08-56-OF (Search Result 3 of 20)

**Incident Start Date:** 01/04/2008

**Originating Agency:** ASHBURNHAM PD

**Primary Incident Category:** Unknown

**Narrative:** I wrote a report for that case that involves Negligent Manslaughter which occurred on 01/04/2008. I responded to a call that was reported with the situation of Fire, Alarm. This is the free text narrative section where the circumstances can be further explained.

# SWISS

## Incident Information

Incident Info

Narratives

Persons & Organizations

Vehicles

Property

History

Incident Overview

[Offenses \(2\)](#)

[Locations \(2\)](#)

[Service Call](#)

[Officers Involved \(2\)](#)

[Evidence \(1\)](#)

[Images \(2\)](#)

\*Indicates Primary Incident Category

### General Incident Information

Incident Report Date/Time: **01/15/2007 17:24**

Incident Report Type:

Incident Categories: **\*Accident Personal Injury**

Incident Description: **ATTEMPTED BREAKING AND ENTERING**

Method Description (MO): **ATTEMPTED BREAKING AND ENTERING WITH CINDER BLOCK**

Stolen Vehicle Quantity: **0**

Recovered Vehicle Quantity: **0**

Exceptional Clearance: **Not Applicable (not cleared exceptionally)**

Exceptional Clearance Date: **01/16/2007**

### Incident Report Status Information

Incident Report Status: **Approved**

Incident Report Status Date/Time: **01/16/2007 11:55**

### Reference Numbers

1 Reference No.: **2007-B0000009876**

Reference Description: **Booking Number for Baker, John B.**



# SWISS

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**Originating Agency:** ASHBURNHAM PD

**Primary Incident Category:** Public Service

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**Incident Start Date:** 01/04/2008

**Originating Agency:** ASHBURNHAM PD

**Primary Incident Category:** Unknown

**Narrative:** I wrote a report for that case that involves Negligent Manslaughter which occurred on 01/04/2008. I responded to a call that was reported with the situation of Fire, Alarm. This is the free text narrative section where the circumstances can be further explained.



[Home](#)

### Find Records

#### [Find Gang Chapter](#)

- Search for and update gang chapter information.

#### [Find Subject](#)

- Search for and update gang subject information.

#### [Find Note](#)

- Search for and update note information for a gang chapter or subject.

[Terms of Use](#)

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Massachusetts Criminal Justice Information Services (CJIS)  
200 Arlington Street, Suite 2200  
Chelsea, MA 02150  
CJIS Operations: 617-660-4620

Home » Find Subject

### Find Subject Search

Enter search information below to locate a gang subject. Please note at least one field is required.

**Name/DOB/Gender**

<b>Name/ Alias:</b> <input type="text"/> <small>Last Name</small> <span style="float: right;">Contains <input type="button" value="v"/></span>	<input type="text"/> <small>First Name</small> <span style="float: right;">Contains <input type="button" value="v"/></span>
<b>Moniker/Street Name:</b> <input type="text"/> <span style="float: right;">Contains <input type="button" value="v"/></span>	
<b>Date of Birth:</b> <input type="text"/> <small>(MMDDCCYY)</small> <input type="button" value="SELECT DATE"/> +/- 1 Year <input type="button" value="v"/>	
<b>Gender:</b> -- Select -- <input type="button" value="v"/>	

**Key Identifiers**

<b>Social Security No.:</b> <input type="text"/>	<b>State Identification No.:</b> <input type="text"/>
<b>Probation Central File No.:</b> <input type="text"/>	<b>FBI No.:</b> <input type="text"/>
<b>Offense Based Tracking No.:</b> <input type="text"/>	

**Physical Details**

<b>Race:</b> -- Select -- <input type="button" value="v"/>	<b>Ethnicity:</b> -- Select -- <input type="button" value="v"/>
<b>Height:</b> <input type="text"/> <small>(5'09" as 509)</small> Exact <input type="button" value="v"/>	<b>Weight:</b> <input type="text"/> <small>(185 lbs as 185)</small> Exact <input type="button" value="v"/>
<b>Eye Color:</b> -- Select -- <input type="button" value="v"/>	<b>Hair Color:</b> <input type="text" value="Type To Find Matches"/>

**Address Details**

<b>Address:</b> <input type="text"/> <small>Street No. (e.g. 100)</small>	<input type="text"/> <small>Street Name (e.g. Main St.)</small>
<input type="text"/> <small>City/Town</small>	<input type="text" value="Type To Find Matches"/> <small>State</small>
	<input type="text"/> <input type="text"/> <small>Zip Code + 4 Digits</small>

**Other Details**

<b>SMT Type:</b> <input type="text" value="Type To Find Matches"/>
--





### Person Search Form

NAME

LAST  FIRST  MIDDLE

RACE  SEX

AGE  -  DOB

HT  -  WT  -

HAIR  EYES

COMPLEXION  BUILD

ETHNICITY  COUNTRY OF BIRTH

Search Past Descriptions  Show All Aliases Matching Description

### SEARCH FOR

Basic Search **Refined Search**

Search For:

Person
  Vehicle  
 Organization
  Firearm  
 Location
  Property  
 Phone
  Security  
 Event
  Document  
 Cell

#### Associated With:

Empty search results area.

Retain Visualizer Results

- NODES
- CASE FOLDERS
- HISTORY
- SEARCH FOR**

Find

Minigraph

Automatic Layout

Tree

Animated Layouts

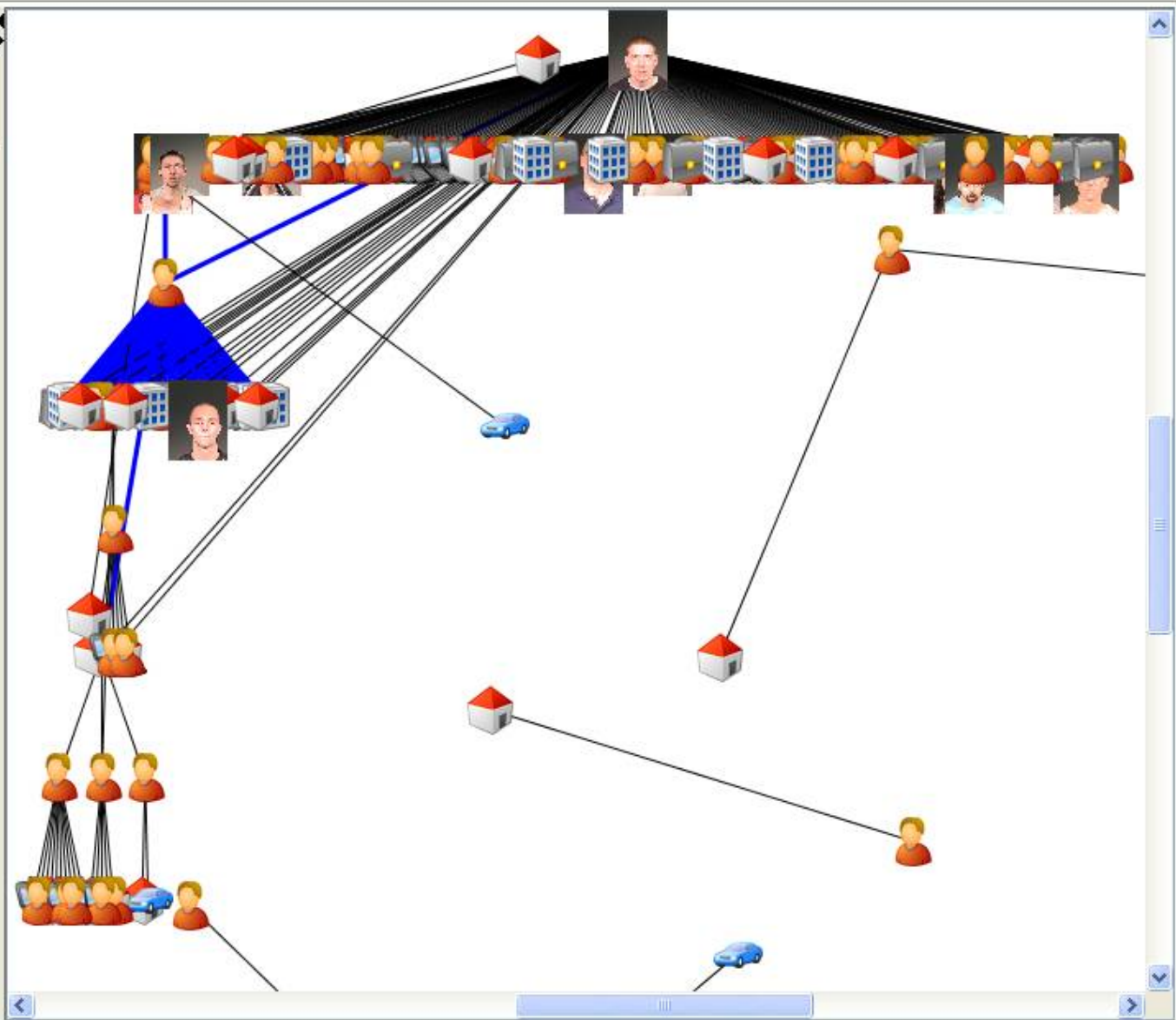
Refocus graph on ...

Object Display Opt...

Object List

Roles

Object Creation Pa...



SEARCH FOR

Refined Search

Basic Search

Search For:

Per...  Ve...

Dr...  Fir...

Lo...  Pro...

Ph...  Se...

Ev...  Do...

Cell

Associated With

1.PERSON: MILLER, F

Find Path

Find Associ...

Retain Visualiz...

NODES

CASE FOLDER

HISTORY

SEARCH FOR

# Thank You

- John A. Grossman
  - Undersecretary of Forensic science and Technology
  - Executive Office of Public Safety and Security
  - Commonwealth of Massachusetts
- [John.grossman@state.ma.us](mailto:John.grossman@state.ma.us)