

# The Role of Broadband in Improving Public Safety Communications and Emergency Response at the LAPD



**FCC Broadband Field Hearing  
November 12, 2009**

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## City of Los Angeles

- 468 Square Miles
- 4+ Million Population



# LAPD\*

## SWORN OFFICERS:

- 10,310 Authorized
- 10,018 Deployed

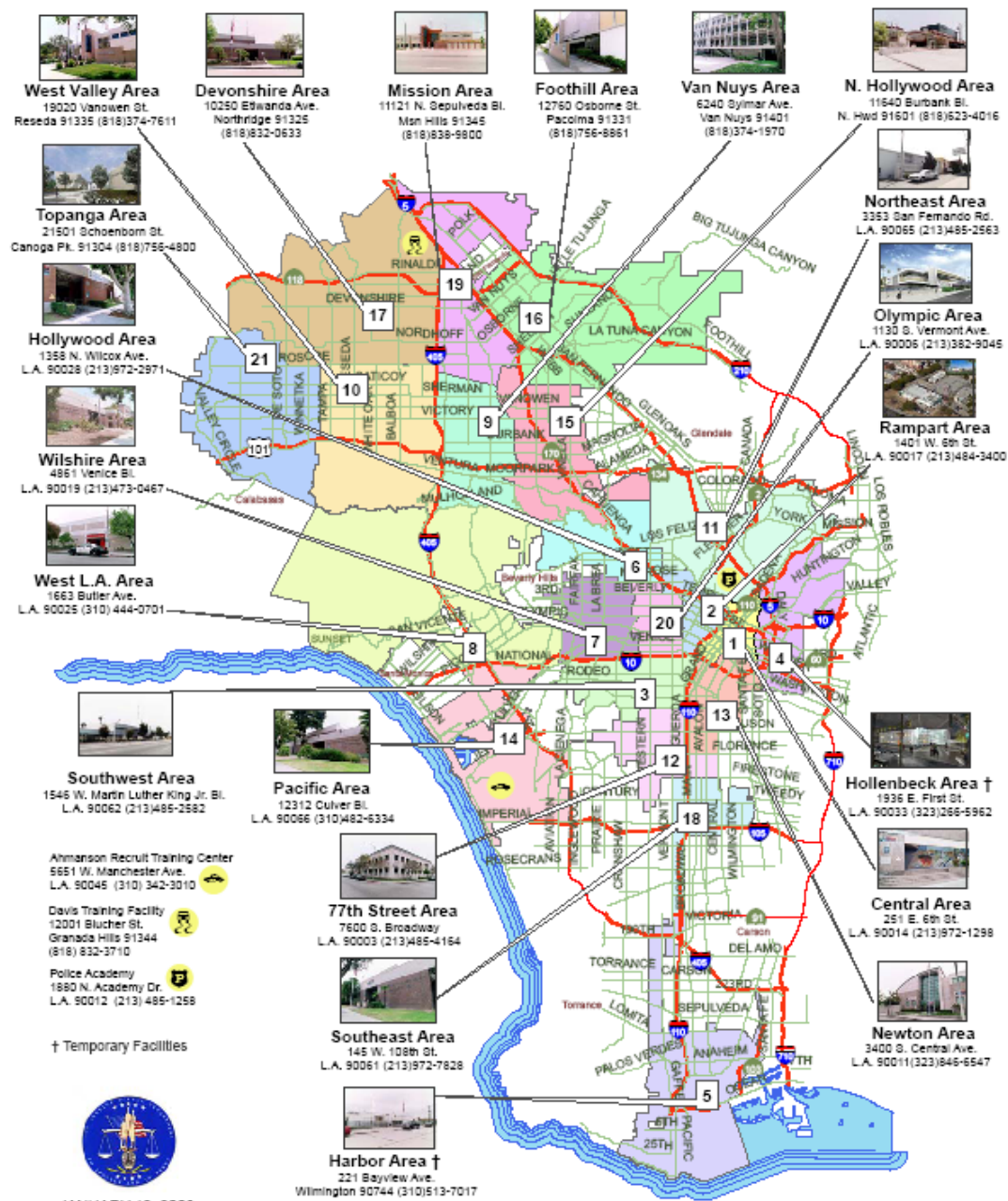
## CIVILIAN EMPLOYEES:

- 3,778 Authorized
- 3,282 Deployed

## AREA POLICE STATIONS:

- 21 Geographical Areas

\* As of 11-10-2009



JANUARY 12, 2009

## Los Angeles Police Department Area Stations

Prepared by: LAPD ICSB, ECCCS Division, ESDS Section

Street Data Copyright (c) by Thomas Data Maps





# Background

- Nearly **4 Million** Calls Received
- Over **1.1 Million** Wireless Calls

Description	2007	2008
Total Calls Received	4,188,818	3,959,806
9-1-1 Calls Received	2,160,660	2,131,856
Wireless 9-1-1 Calls Received	944,661	1,157,876
Dispatched Calls for Service	N/A	771,181

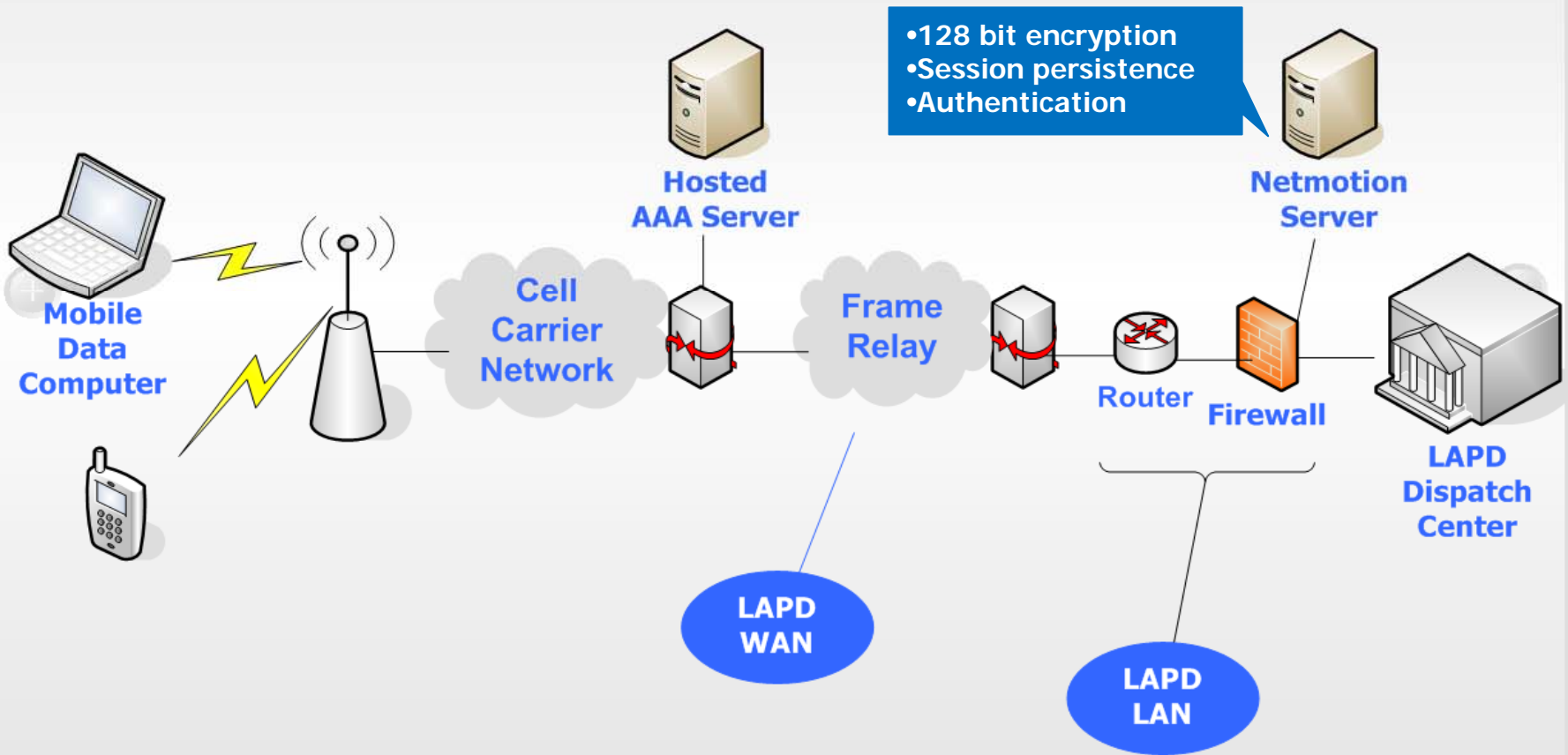
- **Fleet of Over 4,000 Vehicles**
  - **1,800 Equipped for Broadband**
  - **168,000,000 CAD Transactions**



# LAPD's Broadband Network

- **Commercial Carrier**
- **Private & Redundant Connection**
- **Encrypted Data Communications**
- **Session Persistence**
- **Carrier Authentication**
- **LAPD LAN Authentication**

# LAPD Wireless Broadband Cellular Network





# LAPD's Use of Broadband Today

- CAD Messaging
- Asset Tracking
  - Vehicles
  - Personnel
- Fingerprint Identification
- Automated Field Reporting
- National & State Database Access
  - NCIC
  - CLETS

# LAPD's Use of Broadband Today

- Internet
- Intranet
- Department Resources
  - Document Management System
  - Photo Management System
  - COPLINK
  - Records Management System
  - Alarm Management System

# LAPD's Use of Broadband Today

- **Electronic Mail**
  - 400,000 Electronic Subpoenas Delivered Annually
- **Remote Physical Locations**
- **Remote Access**
- **Virtual Private Network**
- **Command Posts for Unusual Occurrences**

# LAPD's Use of Broadband Today

- **Mobile Automated License Plate Recognition System**
- **Mapping System**
  - **Routing**
  - **Geofile**
    - **Hazards**
    - **Building Plans**
    - **Deployment Instructions**
  - **Crime information**



# 2009 ACADEMY AWARDS

## • Special Events





# LAPD's Use of Broadband Tomorrow

- **4<sup>th</sup> Generation Broadband**
- **Enhanced Reliability**
- **Interoperability with other Public Safety Agencies**
- **Priority of Service for Unusual Occurrences**
- **Fixed Remote Automated License Plate Recognitions Systems**

# **LAPD's Use of Broadband Tomorrow**

- **Access to Live Video**
- **Redundant LAN Access**
- **Real-time In-car Video File Upload**
- **VOIP Communications**
- **Next Generation 9-1-1 Content**

# Thank You



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