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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• 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
**Background**

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

<table>
<thead>
<tr>
<th>Description</th>
<th>2007</th>
<th>2008</th>
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<tbody>
<tr>
<td>Total Calls Received</td>
<td>4,188,818</td>
<td>3,959,806</td>
</tr>
<tr>
<td>9-1-1 Calls Received</td>
<td>2,160,660</td>
<td>2,131,856</td>
</tr>
<tr>
<td>Wireless 9-1-1 Calls Received</td>
<td>944,661</td>
<td>1,157,876</td>
</tr>
<tr>
<td>Dispatched Calls for Service</td>
<td>N/ A</td>
<td>771,181</td>
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</table>
• 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
128 bit encryption
Session persistence
Authentication
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
  - COPLI NK
  - 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
LAPD’s Use of Broadband Tomorrow

- 4th 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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