



Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: Michael Miceli

SUBJECT: SVRIP PROJECT UPDATE

DATE: April 10, 2006

Approved

Date

4/11/06

RECOMMENDATION:

Acceptance of the Silicon Valley Regional Interoperability Project (SVRIP) status report requested by the City Council at the March 14, 2006 Council Meeting.

BACKGROUND:

At the March 14, 2006 City Council Meeting, Council ratified the Santa Clara County Data Communications Network Joint Funding Agreement as amended, and approved a payment to the City of Mountain View for services performed on behalf of the SVRIP. In concluding that Council item discussion, Council requested an update of the project.

ANALYSIS:

The Vice Chair for the SVRIP Steering Committee is Sheryl Contois, Communications Director for the City of Palo Alto. On April 25, 2006, Ms. Contois will provide a 15-minute presentation on behalf of the SVRIP Steering Committee, which operates under the general direction of the Santa Clara County/Cities Managers Association.

CEQA:

This project is managed by the City Of Mountain View.

BUDGET REFERENCE:

On 6/28/05, the City Council appropriated funds for voice radio and data system interoperability from the 2004 Urban Area Security Initiative Grant.

HONORABLE MAYOR AND CITY COUNCIL

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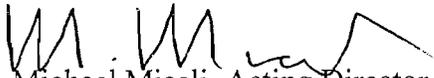
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COORDINATION:

This memorandum has been coordinated with the City Manager's Office, City Attorney's Office, and City Budget Office.

CONCLUSION:

The SVRIP involves eighteen Santa Clara County jurisdictions, representing some thirty law enforcement, fire and emergency medical services agencies partnered together to enhance inter-agency coordination and communications between their public safety agencies and to exchange critical information and resources during an emergency. This presentation will give the City Council a better understanding of the project and its overall status.


Michael Miceli, Acting Director
Office of Emergency Services

Attachment: Microsoft PowerPoint presentation

Silicon Valley Regional Interoperability Project



Santa Clara
County/Cities
Managers'
Association

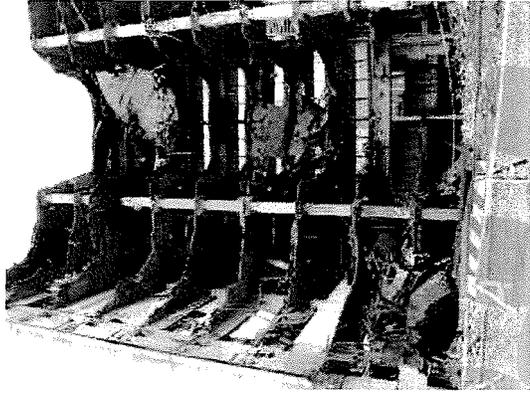
San Jose City Council

NORTHROP GRUMMAN

DEFINING THE FUTURE

25 April 2006

Communications/Interoperability Failures



Oklahoma City Bombing



World Trade Center 9/11



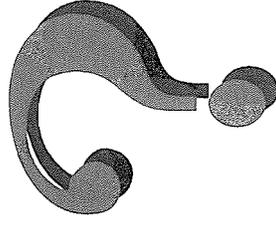
Southern CA Wildfires



Columbine Shooting



Katrina Hurricane



When, Where and
What's Next

SVRIP Stakeholders

Alcohol, Tobacco & Firearms (SJ Field Office)

California Department of Forestry

Campbell Police Department

Criminal Justice Information Center

Gilroy Fire Department

Gilroy Police Department

Los Altos Police Department

Los Gatos/Monte Sereno Police

Milpitas Fire Department

Milpitas Police Department

Morgan Hill Police Department

Mountain View Fire Department

Mountain View Police Department

NASA Ames Fire Department

Palo Alto Fire Department

Palo Alto Police Department

San Jose Fire Department

San Jose Police Department

San Jose State University

Santa Clara County District Attorney

Santa Clara County EMS Authority

Santa Clara County Fire Department

Santa Clara County Medical Director

Santa Clara County Public Health

Santa Clara County Sheriff

Santa Clara Fire Department

Santa Clara Police Department

Santa Clara Valley Water District

Saratoga Fire District

Sheriff's Law Enforcement

Telecommunications System

Stanford University

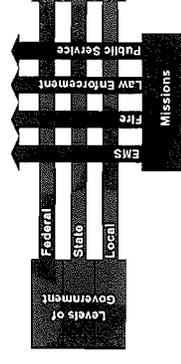
Silicon Valley Transportation District

Sunnyvale Department of Public Safety

SVRIP Objectives

Develop a system that establishes seamless voice and data interoperability amongst and between first responder agencies to include local, state and federal partners

- ✓ Enhance Information Sharing and Data Management
- ✓ Reuse of Existing Infrastructure
- ✓ Concentration on High Reliability, Performance & Redundancy
- ✓ Commercial Off the Shelf (COTS) Solutions
- ✓ Open Standards Architecture (Upgradeable with Technology Trends)
- ✓ Effective Control of First Responder Assets
- ✓ Achieve Day to Day Interoperability
- ✓ National Model



Interoperability seeks to bring together and connect diverse stakeholders across multiple levels of government and mission types

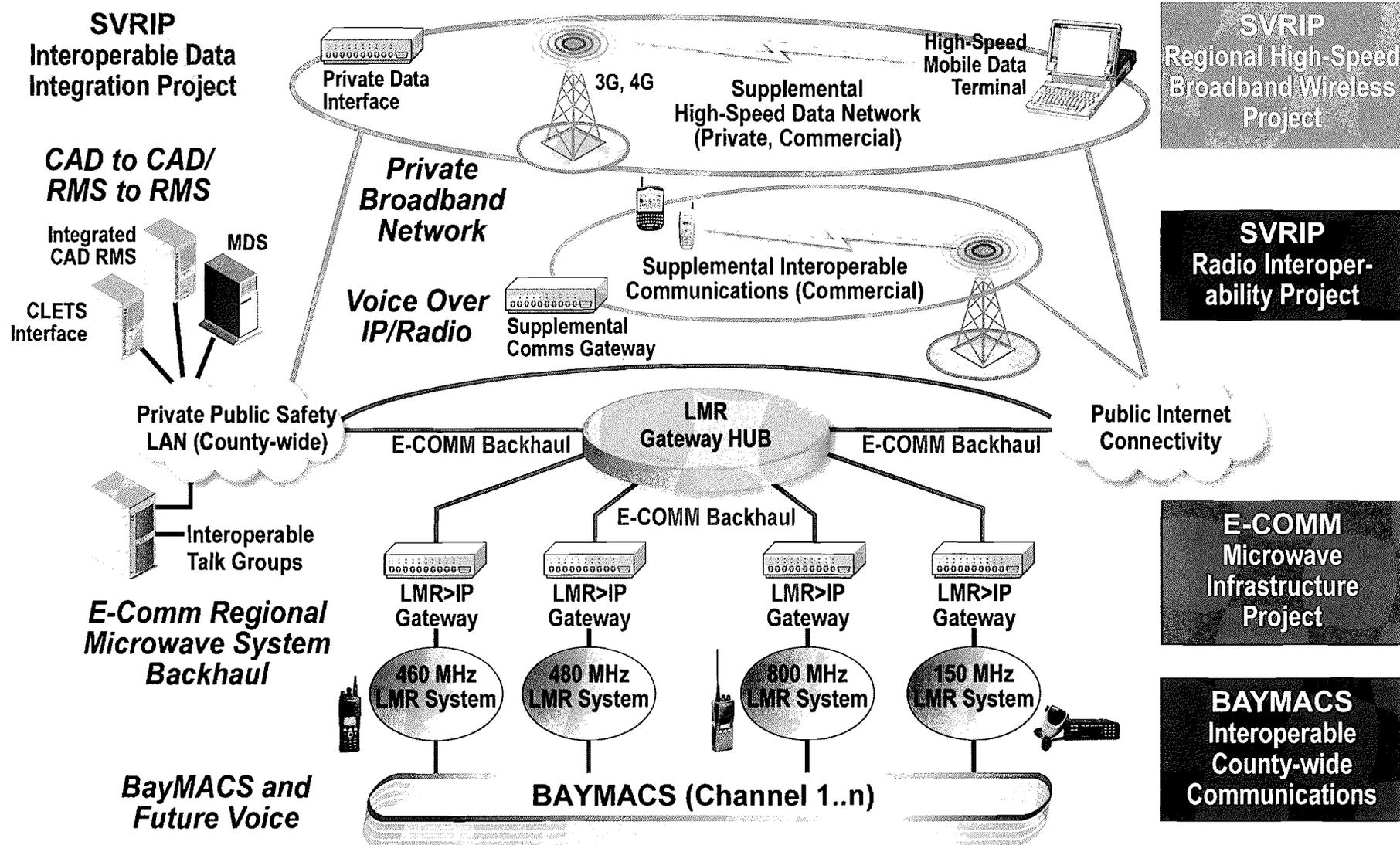
Interoperability and Information Sharing Guidelines & Requirements

- Consistent with Homeland Security Presidential Directive # 8 (HSPD-8)
- National Priorities
- Target Capabilities
- Systems of Systems
- Risk Based
- Sustainable
- Scalable and Modular
- COTS Based
- Multi-Jurisdictional/Multi-Discipline
- Emphasis on Response and Prevention
- Command and Control
- Consistent with Fusion Concept
- Global Justice XML Model

SVRIP Compliance



SVRIP – Roadmap to Interoperability “System of Systems”



SVRIP (Local) Investment - \$12 Million (1998-2005)

Initial Needs Assessment Funding – Proportionate Share - All Network Participant Jurisdictions

Federal and Competitive Grant Programs	San Jose Urban Area Security Initiative (UASI)	State Homeland Security Grant Program (SHSGP)
<p>FY 2001 State Domestic Preparedness Equipment Grant - \$452,000 (100% of Allocation)</p> <p>FY 2002 State Domestic Preparedness Grant - \$262,000 (42% of Allocation)</p> <p>COPS FY2003 – Interoperable Technology Program – Model Project - \$6 million (\$3.75 million federal award)</p> <p>\$714,000 of \$815,000 (87%)</p>	<p>FY 2004 Funds - \$3 million of \$9.7 million appropriation</p> <p>FY 2005 Funds - \$2 million of \$6.4 million appropriation</p> <p>\$5M of \$16M (31%)</p>	<p>FY 2003 State Homeland Security Program, Part II and Critical Infrastructure - \$1.3 million of \$3 million appropriation</p> <p>FY 2004 SHSGP Funds - \$300,000 of \$5 million appropriation</p> <p>FY 2005 SHSGP Funds = \$0 of \$3.9 million appropriation</p> <p>\$1.6 M of \$11.9 M (13%)</p>

Plus 10's of Thousands of Staff Hours

SVRIP Outreach

FEDERAL

US Department of Homeland Security

- Secretary of Homeland Security Michael Chertoff

Office of the Secretary

- Josh Filler, Director
- Public Safety Director Christy McCampbell

Office of State and Local Government Coordination & Preparedness

- David Hagy, Director for Local Coordination, Office of State & Local Government Coordination
- David Kaufman, Deputy Director, Preparedness Programs
- Kerry Thomas, Director, National Preparedness Programs

Office of Domestic Preparedness

- John Carnegis / Brian Keith – CA Preparedness Officers
- Darrell Darnell – Branch Chief, State & Local Program Management
- Larry Clark, Program Manager, State & Local Program Management

SAFECOM/OIC

- Dr. David Boyd, Director – SAFECOM/OIC
- Derreck Orr, RapidCom 9/30 Program Director
- Tom Coty – Local Government Affairs
- Chris Dabek, Consultant, Touchstone – SAFECOM-OIC
- One of 5 projects nationwide to participate in an update of the SAFECOM Interoperability Continuum – Phase 4 SAFECOM Program Interoperability Baseline Survey Development

Homeland Security – Science & Technology Directorate

- Nancy Suski, Director, EP&R Programs
- Joseph Heaps, Program Director, National Institute of Justice

Interoperable Communication Technical Assistant Program (ICTAP)

- Eric Coolbaugh, Program Manager, State & UA Resource Manager, SPAWAR
- Lori Rodefer ICTAP Site Lead, San Diego
- John Powell, Engineer – Project 25 Representative

SPAWAR (Space & Warfare Command Center, San Diego)

- Ira Minor, ODP Technology Integration Manager, SAIC

Department of Justice – COPS Office

- Charles Peed, Director
- David Buchanan, Assistant Director
- Michael Dame, Interoperable Communications Technology Program Manager

STATE

California Office of Homeland Security

- Gary Winuk, Chief Deputy Director
- Robert Samaan, Deputy Director, Interoperability Lead for CA
- Brian Keith, Deputy Director
- Brendan Murphy, Deputy Director, Grants Management
- Steven Iden, Former Homeland Security Director
- Mike Dayton, Deputy Director

Governor's Office of Emergency Services

- Don Root, Director, Interoperable Communications Program

California Statewide Interoperability Executive Committee – CALSIEC

- John Powell, Chair – Full Committee Briefing

Public Safety Radio Strategic Planning Committee

- Full Committee Briefing Provided

CONGRESSIONAL DELEGATION

Senator Feinstein

- Steven Cash, General Counsel and Senior Advisor
- Jim Molinari – CA Public Safety Director

Senator Boxer

- Jennie Quick, Senior Policy Advisor (Homeland Security)
- Laurie Saroff, Senior Policy Director (former Homeland Security Director)
- Charlotte Olden-Moore, Legislative Director

Congressman Peter King

- Robert O'Connor, Chief of Staff

Congresswoman Zoe Lofgren

- David Carreiro, Senior Policy Director

Congresswoman Anna Eshoo

- Elizabeth Toton, Field Representative

- Tim Carey, Legislative Assistant

Congressman Mike Honda

- Robert Sakaniwa, Senior Counsel
- Christopher Mitchell, Legislative Director

Congressman Richard Pombo

- Joshua Rolph, Public Safety Legislative Director

Congressman David Dreir

- Lindsey Moorhead, Legislative Assistant

STATE DELEGATION

Senator Abel Maldonado Senator Elaine Alquist – Chair Public Safety Committee

Assembly Representative Rebecca Cohn – Member CA Public Safety Committee

SVRIP – A National Model

1. Aligned with Federal Priorities and Requirements
2. Established and Solid Governance
3. Strong Delegation of Support
4. Commitment of 10's of Thousands of Local Staff Hours
5. Knowledgeable and Experienced on Interoperability
6. Experienced Systems Integrator – Northrop Grumman
7. Engineered Solution – Voice and Data Model
8. Validated Approach by Federal DHS Experts
9. Investment in Robust Infrastructure
10. Local Commitment
11. Functional Demonstration Projects Operational in 6-12 months
12. Ready to Go TODAY!

SVRIP Projects

- **Private Broadband Wireless Network** – Pilot installation of a wireless network at SJSU and the SVRIP using license spectrum (2.5 GHz) to be used by the campus police and local law enforcement and fire departments that would provide a test bed for applications such as video to the user; biometrics; photo transmission; E-Comm connectivity; missing student search coordination; CALPHOTO, the State’s central repository for law enforcement records and identification information; CALGANG, a database of information collected on gang members, their crimes and affiliations; Technology to Recover Abducted Kids (TRAK); Automated Vehicle Locations; RMS. The urgency for the project is the spectrum being utilized (Education Band Spectrum - EBS) is under review for reallocation by the FCC.
- **Computer Aided Dispatch (CAD) system connection to other CAD systems** – A data integration solution to exchange and share information between multiple disparate CAD systems. It will facilitate communication and exchange of information among and between Communication Centers and First Responders quickly and securely during day-to-day operations, large-scale events, and regional disasters. This project is the highest priority need for the Fire Chief’s Association. The reason, the current delay that occurs in emergency resource dispatch (i.e., when a unit from another jurisdiction is needed, the request must be done manually by calling the other 9-1-1 center, this could result in a delay to a medical or fire emergency response of up to 3 minutes).
- **Records Management System (RMS) connection to other Records Management Systems** – A regionalized integrated data solution to exchange and share critical intelligence information between multiple disparate RMS applications. It will assist in the prevention of criminal activity and facilitate communication and exchange of information amongst and between First Responders quickly and securely during day-to-day operations, large-scale events, and regional disasters.
- **Voice over Internet Protocol Radio (VoIP/Radio)** – Extension of existing interoperability channels leveraging existing radio systems (through re-use) and assembling a network architectural solution. This is a network-based solution that integrates all network participants’ radio systems. Additional radio bandwidth will not be required because voice communications interconnected via Internet Protocol (IP). Uses standard IP networking equipment and standards-based control applications. The base station and console voice outputs are digitized for network transmission and the interoperability is managed by software application. This will provide redundancy in network control and ensure reliability. This solution will enable the system to grow and change with the needs of agencies and the region, uses currently available technologies/services, and protects legacy system investments.
- **Medical Network** – This is currently an undeveloped project from a needs assessment perspective. This network will connect to our E-Comm microwave network and provide the pathway (information highway) to pass this data. The medical network benefits the SVRIP (as additional pathways for public safety) as well as the medical network. Broadband and other technologies will also assist in the medical network.
- **E-Comm** - E-Comm is the regional digital microwave-based "Information Highway" for all the Projects being developed through the SVRIP. It is a large, robust pathway to exchange and share both voice and data traffic. Along with SVRIP initiatives, E-Comm is a large enough highway to allow other current systems to run over it creating significant cost-avoidance savings for agencies.
- **Proof of Concept “Demonstration Projects” and complete Build-Out Timelines** (individually or concurrently):
 - CAD to CAD - 6 to 9 months from date of contract;
 - RMS to RMS – 9 to 12 months from date of contract;
 - VoIP/Radio – 6 to 9 months from date of contract;
 - Broadband - 6 months for demonstration (currently underway).
 - For build-out if we secured all the funding - 6 to 9 months from successful demonstration projects)
 - (Phased in). If we had all the funding needed today, SVRIP would be fully interoperable in approximately 2 years.

SVRIP Points of Contact:

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SVRIP Project Attorney
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