



Project Charter

Video Mobile Data Computer (VMDT) Upgrade

Requested by: Technology Steering Committee
Date Requested: 7/21/10

Problem Statement

Exiting Mobile Data Terminals (MDT equipment) in Seattle Police Patrol vehicles are at their end of life. Mobile CAD application on the MDT is considered core functionality for the Police Department and Patrol in particular. Annual maintenance costs are increasing substantially and would be dramatically reduced when the equipment is life-cycled (sixth year maintenance quote is over \$700K and increasing each year). Equipment will become obsolete in 2013.

This current In-Car computer system also includes In-Car Video. The two systems are provided by the same vendor.

1. Current (five year old MDT computers) do not have the processing power to support current/future software systems limiting the ability to gain efficiencies for the office when accessing data or maintaining situational awareness.
2. Operational resources have not been funded today. This includes secure, high speed upload of video, charging of microphones, extra hard drives for each officer, etc.

Project Objective

Explore current MDT and In-Car video technologies and make an upgrade/replacement recommendation by mid-2012.

Prepare requirements and publish RFP to replace systems by January of 2013.

In-Car computer to operate the Mobile CAD software is the highest priority:

Enhance security, usability and accountability by integrating Active Directory

Research and design reliable and persistent solution for wireless mobile network access (VPN, connection persistence)

Research and design two-factor authentication to meet CJIS requirements.

In-Car Video is the next priority:

Secure and improve wireless upload of video.

Provide operational equipment (microphone chargers, extra hard drives).

Research and obtain state-of-the-art solution.

Benefits

Preserve operational functionality of Mobile CAD and In-Car video systems.

Preserve efficiencies gained by CAD system.

Provide greater accountability with Officer/citizen contacts.

Reduced litigation.

Increased investigative resource.

Scope

Patrol MDT and In-Car Video use and the technologies, policies and practices associated with that.

Completion Criteria

This project will be completed when a solution has been accepted by command.

Initial Estimates

\$4.2 Million - \$2.7 Million estimated for just Mobile CAD computer systems; Remainder to include In-Car Video.

Funding

Work with existing and additional funds.

Project Deliverables and Major Milestones

#	Due Date	Milestone	Responsible	Date Completed
1				
2				
3				

Assumptions

In Process:

Constraints

1. The current VMDT in car computer systems will be 5 years old and at end of life in August 2012.
2. The City will be upgrading LSJ wireless infrastructure during the 2011/2012 time frame.
3. Funding to complete the project has not been specifically identified.
4. A request from Council has been identified to explore replacing in car video, or augmenting in car video with Body Worn Video camera systems.
5. Policy regarding video and retention need to be reexamined to verify the project is in compliance with current State and local requirements.
- 6.

Risk Analysis

1. Funding to complete the project
2. If funding is not available at the required time the ability to keep Patrol Car computers operational may become severe
3. As SPD-ITS takes over local support and maintenance, there will be issues obtaining replacement parts for current ruggedized COTS systems.

4.

Definitions, Terms and Acronyms

VMDT – Video Mobile Data Computer

BWV – Body Worn Video

Personnel

Executive Sponsor: A/C Sanford and A/C Reed

Project Manager: Bruce Hills

Stakeholders: Bruce Hills, Odette Austria, Jess Nash, Mark Knutson, Monty Moss, Shawna Skjonsberg-Fotopoulos, Fred Jordan, David Drain, Karim Miller, Cesar Hidalgo-Landeros, Georg Smith, Randy Jokela, Rich O’Neil, Thomas Pike, Christine Robbin, Dave Bunge, Randy Kyburz, Colette Alberts, Stephan Arulaid, : David Puente, Eric Pisconski, TJ Janes

SME Focus Groups: McLaughlin, Thomas; Grossman, Kevin; Turner, Raymond; Johnson, Aaron; Bale, Steven; Shean, Chris

Approval

Date:

Signatures: _____

Revision History:

Date	Section Modified	Author	Status
8/8/2011	Statement, Objective, Cost, Personnel	Bruce Hills	Modify
9/9/2011	Problem Statement, Objective, Personnel	Bruce Hills	Add / Modify
9/13/2011	Personnel	Bruce Hills	Add
1/30/2010	Statement, Objective, Cost	Mark Knutson / Bruce Hills	