

IACP TECHNOLOGY CLEARINGHOUSE



Law Enforcement Technology Program Survey

Projects:

- [Computer Aided Dispatch & Records Management System](#)
 - [Mobile Data Computer Systems](#)
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Agency Name: [Colorado State Patrol](#)

Technology Program Name: Computer Aided Dispatch & Records Management System

Contact: Jim Lynn

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Agency Size: Total Sworn: 400, Total Civilian: 400

Agency Type: State Patrol

Technology Program Status: RMS - Department Wide Program, CAD - Special Unit Program,

dispatch at regional communications centers

Mobile Hardware Type and Quantity: N/A

Printer: N/A

How is data transmitted from the Field to the Station? Wireless, Disk, Paper and Download from Collection Device

How is data transmitted from the Station to State and Data Collection Authorities? Wireless (Modem), Disk, and Paper

Funding: All projects must be approved by the State's Information Management Council. This particular project was funded as a capital construction item.

Hardware Manufacturers: N/A

Software Manufacturers: N/A

Important Technology Lessons Learned: Make sure that when you design a system you involve all users of the system in the design phase of the project. This allows you to develop a complete system which will meet everyone's needs and also gives all users a sense of ownership.

Program Narrative Overview: We have just awarded a contract to a vendor to design, implement and help maintain a statewide computer-aided dispatch and records management system network. The Colorado State Patrol is in the process of consolidating its 17 communication centers into 5 regional centers. As part of consolidation, we are proposing a hybrid architecture. We will implement a centralized yet server module system (network) with a complete disaster recovery system at a separate site. Our requirements are that this system "must" be open-architecture with no proprietary components, using standard communication protocols (TCP/IP) and operating systems (Windows NT). These requirements are very important because of the number of state, federal and local agencies we provide data to as well as receive data from. Security of the system is also a critical concern. Our goal is to develop and maintain a computer aided public safety system which integrates the CAD, RMS, Mobile Data Computers (MDC), and all internal and external satellite systems into an integrated network that provides timely data in an adaptable, flexible, paperless, and easy to use format which is available and meaningful to the entire Colorado State Patrol user community.

Law Enforcement Technology Program Survey

Agency Name: [Colorado State Patrol](#)

Technology Program Name: Mobile Data Computer System

Contact: Doug Landin

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Agency Size: Total Sworn:400, Total Civilian:400

Agency Type: State Patrol

Technology Program Status: Department Wide Permanent Program

Mobile Hardware Type and Quantity: MDT - 100

Printer: Using HP thermal printers mounted to the MDC mounting bracket

How is data transmitted from the Field to the Station? Wireless, Disk, and Download from Collection Device

How is data transmitted from the Station to State and Data Collection Authorities?
Wireless

Funding: The Colorado State Patrol received funding for the first phase of the MDC project from a COPS MORE grant. 3/4 of the current project was funded by COPS MORE and 1/4 from State Patrol funding.

Hardware Manufacturers: MDC - [Panasonic](#) TR41, Software Application - [VisionTEK Frontline](#), Windows 95, and [VisioGraphics](#)-

Software Manufacturers: [Microsoft](#) - Windows 95, [VisionTEK-Frontline](#) - MDC Software, [VisioGraphics](#) - Accident creation / diagram.

Important Technology Lessons Learned: An MDC system is only as strong as its weakest player. Try to make sure that each agency is adequately equipped for the added traffic of a MDC community and capable of interfacing with other agency systems. Also - if at all possible, try to synchronize citation reporting items for reporting consistency and easy data access.

Program Narrative Overview: The Colorado State Patrol is in the process of implementing a Statewide MDC program. Currently, the system allows troopers in the field to access CCIC and NCIC information, create accident reports, issue citations, query for wants and warrants, diagram accident scenes, gives GPS location, message transfer between cars and electronically submit citations and accident reports. The State Patrol currently has 100 MDC units on the road and should top out at about 350 units total over the next several years.

When established, the Colorado Dept. of Revenue will be capable of receiving the automated citations directly from the MDC field unit as well as very detailed accident reports. In addition, each of the MDC units will also collect data for the CAD/RMS system which should be functional within the next 12-18 months.