

IACP TECHNOLOGY CLEARINGHOUSE



Law Enforcement Technology Program Survey

Agency Name: Monmouth County Sheriff's Office - Computer Division

Technology Program Name: COPS MORE '95

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Agency Size: N/A

Agency Type: County Sheriff's Department

Technology Program Status: Department Wide Permanent Program

How is data transmitted from the Field to the Station? Wireless

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

Funding Description: COPS MORE Redeployment grant

Hardware Manufacturers: [Panasonic](#) - CF-27 Toughbook; [IBM](#) - AS 400 & RS 6000; [Hewlett Packard](#) - NT Server; [Compaq](#) - NT Server

Software Manufacturers: [New World System - Aegis](#) - CAD, RMS, Mobile Computing Switch; [Cerulean PacketCluster Mobile](#) - Mobile Computing Switch

Program Narrative:

Monmouth County Consortium 1996 COPS MORE Program Project Overview

In July, 1996, the Monmouth County Consortium, consisting of thirty seven law enforcement agencies within the county received notification that it had been awarded its grant request for technology under the provisions of the COPS MORE program. Under this award, the consortium will be able to realize a redeployment of 96.1 Full Time Equivalent (FTE) officers to implement the consortium's Community Policing initiatives. The redeployment will be accomplished by the use of mobile laptop computers to enable officers to complete their reports in the field, allowing the officer more time on the street to interact with the public. The mobile computing solution also allows the officer access to the information that is necessary to do effective police work.

The key to the success of a mobile computing solution is the use of 225+ laptop mobile computers in the police vehicles. This allows the officers to have instant access to the power and wealth of information from the various law enforcement databases. The use of the mobile computers will allow the officers to accomplish field reporting in the vehicle, versus returning to the station to transcribe notes and hand written reports into a format that is ready for approval by the shift command or for direct input into an in-house computer system. The use of mobile computers will allow for the savings of 35 minutes per report, which translates into a redeployment (FTE) of 96.1 officers. This will allow the consortium

to implement the combined agency Community Policing Plan.

With the approval of the grant in July of 1996, the Monmouth County Police Computer Office began the process of reviewing the best methods for implementing the mobile computer project. It soon became apparent that the existing CAD and RMS would not adequately fulfill the needs of the consortium. In addition, the advancements in technology during this review period led to the decision that a cellular solution rather than a radio solution for the mobile computers was the better alternative.

Enhancement of the COPS MORE Grant Program Proposed inclusion of the CAD and Records and Information Management System (RIMS)

Critical to the ongoing success of our Community Policing strategy is the vital need to link the mobile computer system to a viable CAD and RIMS. The implementation of these systems will yield even further benefits, functions, and efficiencies to the mobile project infrastructure, and allow for full optimization of resources when installed as a complete, cohesive and balanced system.

There are many features, functions and benefits that an integrated CAD and RIMS system can provide and such descriptions could take numerous pages to explain. Thus, we will only use some of the general and major functions and benefits that an integrated CAD and RIMS would provide in our overview as they relate to our project.

A Computer Aided Dispatch system is the initial point of entry for information that will eventually become an incident. Whether the call is entered by a communications operator or self-initiated by a field patrol officer, the time saved in the overall process of the call for service and related incident is greatly increased if the call and all of its pertinent information can be captured electronically. The information so captured will eventually flow from the CAD system into the RIMS and be used in the preparation of reports that, in criminal cases, will lead to the prosecution and incarceration of the offender. The integrated CAD and RIMS is a critical component of a mobile data solution for field reporting.

Installation of an integrated CAD and RIMS is critical for the data flow that will be generated by the mobile terminals. The new system will allow for some of the following functions to be performed that will result in timesavings for officers, thus

making them available for redeployment for Community Policing activities.

Primary Capabilities

- Geofile/Address Validation
- Recent Call Display
- Duplicate Incident Analysis
- Prior Incident Display
- Hazardous Location Display
- Automatic Date and Time Stamp of Progress of Incident
- Alert to Communication Operator of overdue contact with patrol unit
- Automatic flow of information from CAD to RIMS

Additional Capabilities

- Ability to identify ongoing problems by analyzing repeated Calls for Service (CFS)
- Enhancement of the mobile system with the automatic flow of information from CAD to RIMS, thus increasing reporting and analysis capabilities.
- In-car CAD, with the use of the mobile computers, will allow the officer to self-dispatch as well as receive silent dispatch, thereby increasing officer safety.
- Notification of any hazards on premises and persons that have been captured by the RIMS database.
- Complete record upload of incident information from the mobile laptop that began in CAD, was added to the field and the disposition of the incident flowing back into the RIMS. This includes UCR/NIBRS report generation as well, based on the final disposition.
- Automatic officer ID information based upon the security logon code.

The advanced technology that has evolved over the last few years has been the key in our approach to a long-term solution for the needs of the consortium. Monmouth County's plan for the ongoing operation and maintenance of the CAD and RIMS, and thus the county's ability to sustain the level of its Community Policing redeployment officers, is to approach the project in the same manner as the mobile computing project by the prorated sharing of the costs of the maintaining the system by the 37 agencies participating in the consortium. The future costs will be based upon the agency's population, number of users, and crime statistics.

In summary, with the many benefits derived from a fully integrated CAD, RIMS and mobile computing system, we can accomplish our Community Policing strategy.

Additional Concerns: N/A