The Maryland State Police, working in conjunction with the Maryland Department of Transportation State Highway Administration and the Capital Wireless Information Network (CapWIN), is managing the Automated Crash Reporting System Project for the state. The goal of this project is to create a single core system for all state policing agencies and additionally to facilitate interoperability between state and local agencies. The project covers all Maryland agencies reporting traffic crashes as well as agencies that rely on the data for statistics, analysis, and public dissemination.

The State Highway Administration (SHA), in conjunction with the Traffic Records Coordinating Committee, awarded the Maryland State Police (MSP) the grant funds to develop the Automated Crash Reporting System. After reviewing several commercial and government crash reporting solutions, the MSP utilized the professional experience of CapWIN to develop in-house the technical systems necessary to deploy the project. The project initiated in July of 2010 and Phase One was completed in March of 2011. Phase Two has begun with funding from SHA and the Federal Department of Transportation.

Contact Us
For more information, contact the Chief Information Officer:

Michael Roosa
E-mail: mroosa@mdsp.org
Office: 410.653.4459
Cell: 443.615.5580

Maryland State Police, CapWIN
And the State Highway Administration
Create Statewide Automated Crash Reporting System

Project Accomplishments
Statewide Needs Identified
- Replacement of Paper Crash Reporting
- Efficiency - Accuracy, Speed, Availability
- Interoperable Systems - State and Local
- Decrease time from Report to Analysis
- Increase MMUCC Compliance

Development of Solution
- Built on the successful E-TIX model ACRS has been developed in house to reduce total cost of ownership and increase flexibility. These savings will be passed on to local agencies

Implementation Milestones (Jul 2010 - Jul 2011)
- Phase 1 Funding
- Needs Analysis
- System Architecture Design and Configuration
- Project Implementation Plan & Baseline Schedule
- Client Development to Beta level
- Requesting of Phase 2 Funding
- Contractor Software w/ Service Level Agreement (SLA)
IMPLEMENTATION SCHEDULE
CY 2011

Complete technical development
Test complete system in Beta

CY 2012
Train and Deploy to Volunteer Agencies

CY 2013
Terminate or Replace Paper Based Form

FAQs

♦ Time frame, how close are we to implementation?
✓ Volunteer agencies with E-TIX will see deployment in early CY 2012. Other agencies will be rolled out mid-2012.

♦ How do I find out what I need to make my RMS compatible with ACRS?
✓ Interface specifications will be provided 4th Quarter CY 2011. They will be disseminated through the Central Records contacts.

♦ Do I have to go electronic? If I do, will there be funds available to allow me to purchase the hardware and software?
✓ Agencies do not have to use ACRS in the mobile environment. Workstations at precincts, barracks, or districts will function as ACRS entry points. No additional software required. MSP will work with GOCCP to help facilitate grant funding for agencies.

♦ If I have an electronic crash reporting system, with its own diagramming tool, will it be compatible with ACRS?
✓ Interface specifications will be provided. Agencies must implement these changes with their reporting vendor. For diagramming, yes, the ACRS client is designed to import images, which most diagramming applications produce.

♦ Can I continue to use paper reports?
✓ MSP will continue to accept paper reports, though the report will be the new two page Form 1m.

♦ Will I have to enter my own data eventually if I don’t use ACRS?
✓ Agencies can enter the data into ACRS as a secondary process though it will not be mandatory. MSP CRD will continue to provide data entry for agencies that choose to use the paper report.

ACRS is designed to run in Delta+, the same framework MSP uses to deploy E-TIX. The application provides secure communications, a customizable interface, supervisory workflow, and remote upgrade capabilities.

Delta+ E-TIX

E-TIX mixes best practices with a custom designed user interface to increase officer efficiency and decrease data entry time. Maximizing touch screen and scanning technologies and enabling fast searches increases accuracy which supports the officer while in court. Officers are able to testify in court from their laptop. Historic record of stops are available.

E-TIX is integrated to the Mobile NCIC Client. This automates queries for all individuals entered into the system which promotes safety and provides officers with the critical information needed for a complete stop.

4,000+ officers, from over 75 Maryland law enforcement agencies, are trained in E-TIX and have issued 1.3 million citations with 3 million charges in over 2 million stops. Over 350 thousand of these stops involve repeat offenders.

AGENCY REQUIREMENTS

Electronic Form 1e

♦ E-TIX enabled vehicles will need no additional hardware to deploy this client
♦ New mobile deployments require connected Mobile Data Terminal, Printer, and Scanner
♦ For office based reporting system is designed to work on any reasonable Windows based workstations with access to the Internet or SWGL Scanner not required.
♦ CapWIN, E-TIX, or other integrations are not required for ACRS deployment, though recommended.
♦ An Application Programming Interface (API) will be provided for local RMS integration.

If a third-party electronic reporting solution is used, a process for accepting the electronic data will be provided, but will have standards that must be met.

Paper Based Submission Form 1m

♦ Two page report will be provided
♦ Agency can either submit paper reports to CRD or enter data into office based client

Online Sales of Reports

♦ MSP will provide online sales of reports
♦ MSP will seek to return a portion of online sales to local agencies where applicable.
♦ Negotiations with agencies that currently sell reports will be coordinated in the first quarter.
♦ MSP will also provide direct sales of paper reports for existing costs at the MSP Central Records Division.

Crash Analysis and Data Dissemination through
Maryland Safety and Crash Analysis Network (MSCAN)

A project slated for development by the Maryland Highway Safety Office (MHSO) that provides data validation, analysis, and distribution in a user-friendly web-based application. Users throughout the State will log in to receive crash data relative to their roles and responsibilities in the traffic safety community. Limited access will also be granted to the public to meet their needs for awareness and accessibility to data relevant to public safety concerns. An integrated hub for traffic safety professionals and partners statewide to review and analyze traffic and crash data to support local and state traffic safety programs.