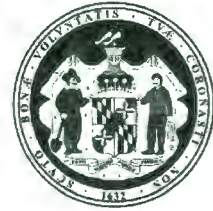


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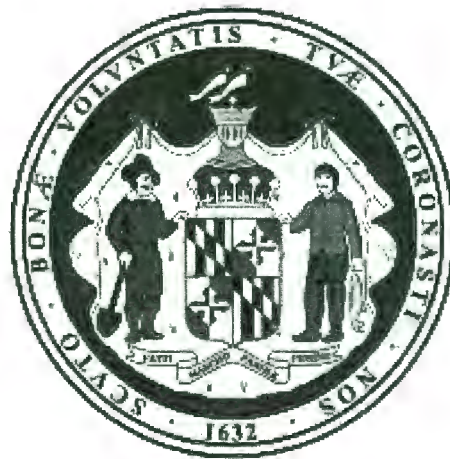


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**2009 Annual Report**  
**On Interoperability**

**Submitted by**

**CRIMINAL JUSTICE INFORMATION**  
**ADVISORY BOARD**

## **Criminal Justice Information Advisory Board 2009 Annual Report on Interoperability**

### **Background**

The Criminal Justice Information Advisory Board (CJIAB) was created by statute in 1976. The Board's primary duty is to advise the Secretary of Public Safety and Correctional Services and the Chief Judge of the Maryland Court of Appeals on the development, operation, and maintenance of the State's criminal justice information systems.

The CJIAB includes representatives from a broad section of the criminal justice community including public safety, the courts, law enforcement, and homeland security. The Board includes members from the legislative branch, county and municipal government, and the public.

As a statutory entity, the CJIAB has the responsibility for criminal justice integration and interoperability. It works to establish policies, relationships and infrastructure to enable sharing of local justice information across the entire justice system. The Board also provides advice concerning standards, procedures, and protocols that ensure the compatibility and interoperability of communications and information management systems maintained by the Judiciary and public safety entities in the State.

Under Maryland law, the Board has the additional responsibility for submitting an annual report to the Governor and General Assembly that describes the compatibility and interoperability of communication and information management systems maintained by the State's judiciary, public safety and criminal justice entities.<sup>1</sup>

### **The Current State of Interoperability in Maryland**

Criminal Justice Information System (CJIS) interoperability initiatives have improved public safety in Maryland by bringing together dissimilar information systems, data, and processes. This increase in coordination and communication has resulted in more effective and efficient identification, management and tracking of criminal justice information. These initiatives support and carry out the Governor's Security Integration approach for Maryland, which incorporates law enforcement information needs with those of homeland security requirements.

The sections that follow describe the public safety impact and significant interoperability accomplishments of the Departments of Public Safety and Correctional Services, Maryland State Police and Maryland Judiciary.

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<sup>1</sup> *Maryland Code, Criminal Procedure article, §§ 10-207(a)*. This Annual Report on Interoperability is submitted to the Governor and to the General Assembly pursuant to statutory reporting requirements codified in Criminal Procedure article § 10-210(6) and State Government article, §2-1246, respectively.

## PUBLIC SAFETY AND CORRECTIONAL SERVICES

### Network Livescan (NLS)

The Network Livescan (NLS) project consists of three subprojects: Hazmat Commercial Driver's License (CDL), Criminal Rollout, and Electronic Applicant. The Hazmat CDL project aids in performing the required background checks on applicants for commercial driver's licenses to transport hazardous materials. Criminal Rollout places electronic fingerprinting machines in criminal justice facilities to assist in rapid identification and comparison to national criminal databases during intake processing. Electronic Applicant allows the State to electronically process the applicant fingerprints for various licensures and compare them to electronic criminal databases. The common thread of these projects is the NLS equipment, which provides the ability to collect and transmit electronic fingerprint images from remote locations to the Maryland Automated Fingerprint Identification System (MAFIS) at the Department of Public Safety and Correctional Services (DPSCS). NLS supports the goal of helping to keep Maryland communities safe by providing for rapid identification of offenders and non-offender subjects and achieve the objective of the CJIS Central Repository to have records that demonstrate a 90% rate of accuracy, timeliness and completeness in annual audits.

The Public Safety Impact and significant accomplishment of the NLS Projects:

- a. *Hazmat CDL*  
Implements the federal requirements established under the US PATRIOT Act to perform background investigations for applicants of new or renewal commercial driver's licenses. Improves safety of Maryland roadways and promotes public confidence in security of transportation of hazardous materials. This portion of the project was completed in December 2005. Since that time the Department has maintained the operation of the five Hazmat Sites.

- b. *Criminal Rollout*  
Places electronic equipment in criminal justice facilities to allow law enforcement to make rapid criminal identifications from national databases.

Enables 20-minute response time for processing of fingerprints resulting in rapid positive identification of criminal suspects.

- Currently 83 Livescans are used for criminal electronic processing of fingerprints.
- 15 Livescans have been installed for processing fingerprints at Division of Parole and Probation (DPP) sites, providing a better mechanism for closing the identification gaps.
- Livescan implementation at DPP sites is progressing towards a goal to install a total of 29 NLS machines, with a minimum of one in each jurisdiction, and additional machines in high volume locations. A grant was awarded in 2009 and the rollout of these additional machines should be completed during 2010.

c. *Electronic Applicant*

Enables electronic processing of fingerprints for applicants of various licenses such as childcare.

Expedites timeframe for processing distinct images of non-criminal applicants' fingerprints from 6-8 weeks to 2-3 workdays if images are captured by Livescan technology.

- Maryland overall applicant response time has dramatically declined from an average of 15.7 days reported in 2006 to an average of 4.97 days in 2009.
- Federal Bureau of Investigation (FBI) Overall Response Time has significantly decreased from an average of 64 days reported in 2006 to an average of 8.63 in August 2009.
- 14 Private Providers have been approved to serve as front door electronic collections of applicant submissions. This allows the data to be collected and sent to the repository in an electronic data package resulting in increased customer satisfaction and response time.
- Operation of five Hazmat sites have been expanded to also offer electronic applicant collections in an effort to offer more State-wide customer access.
- A State-wide education seminar was provided to all Applicant agencies in the State. Over 300 agencies participated July 14-16 2009.
- Maryland State Police Licensing Division is submits electronically for background checks for licensing purposes.
- On average, three Livescans per month are installed for applicant processing.
- Baltimore County, Carroll County, Charles County and Queen Anne's County Boards of Education are submitting electronically for applicant background processing.
- The Department of Labor, Licensing and Regulation and the Police and Correctional Training Commissions are submitting applicant requests electronically.

## **MAFIS**

MAFIS provides automated fingerprint identification for criminal processing. The identification system can be also used in the process of performing civil background checks. The system is utilized by local agencies for the purpose of criminal investigation. The MAFIS Replacement Program has upgraded all components of an antiquated system that has reached its capacity limits for reliable service and is not compatible with new advances in fingerprint technology. The upgrade occurred in 2008 and since that time DPSCS has reorganized some of its processes and procedures to make best use of this new technology.

The Public Safety Impact and Significant Accomplishments of the MAFIS Program:

Enables searching of records against MAFIS and the electronic submission of records to FBI's Integrated Automated Fingerprint Integration System (IAFIS) to receive responses from the FBI within 2 hours for criminal queries and 24 hours for applicant queries;

Facilitates the ability to positively identify a criminal suspect while still in custody;

Improves accuracy and reliability of results with data consistency via one-time entry;

Moves Maryland toward achieving a 100% rate of transmitting electronic criminal and applicant fingerprints to IAFIS. A new Transaction Controller was jointly developed by DPSCS and the MAFIS Vendor to provide the State with more timeliness and flexibility as legislation changes;

The Maryland Image Repository System (MIRS) is completing the data conversion and rollout. MIRS will be used to store all photos that are taken at arrest, Division of Correction (DOC) intake, DPP intake, or Sex Offender Registration. The conversion effort has taken all of the images from the independent systems and creating a centralized repository. This system will be available to remote users for searches, virtual lineups, and facial recognition; and

Final stages of data cleanup need to be completed before FastID can be implemented. Currently FASTID has been tested and is ready for rollout.

## **Local Law Enforcement Dashboard**

In 2009, the Governor's Office of Crime Prevention and Control (GOCCP) and DPSCS created the Local Law Enforcement Dashboard (Dashboard) that allows law enforcement personnel and agencies to view information on a subject's criminal background history, without the need to access individual system databases containing that history.

The Public Safety Impact and Significant Accomplishments of the Dashboard:

- Centralized location of information used by law enforcement personnel when managing an offender;

- Averages 10,000 hits a day; and
- Currently contains data from the Motor Vehicle Administration (MVA), the Division of Pretrial Detention and Services (DPDS), DOC and DPP; the Departments of Juvenile Services, Labor, Licensing and Regulation, and Natural Resources; the Sex Offender Registry, State Police, Judiciary and arrest data from the District of Columbia.

### **Offender Case Management System (OCMS)**

Development of the Offender Case Management System (OCMS) Project began in 2009. The goal is to consolidate numerous stand-alone offender based systems into one centralized offender system. It is based on the key business processes and integrated data elements required for the full-lifecycle management of an offender. The system development and deployment will take place over a three period. The current plan is to start implementation with the Arrest Booking Module, followed by Pre-trial, Corrections, and Parole and Probation. All Business Units are participating in the development and review of each phase. This joint effort is providing a consistency of processes, as well as assuring collection of data at the appropriate time in the process.

There are many benefits of this program to the State, including:

- Creation of a centralized data repository for all offender data;
- Improve timely access to integrated offender information;
- Reduce data redundancy and improve data integrity;
- Standardize business processes across the Department for effective and efficient offender management; and
- Provide data recovery in the event of a disaster.

### **PUBLIC SAFETY AND MARYLAND STATE POLICE**

#### **National Crime Information Center (NCIC)**

This program gives law enforcement personnel access to online databases that will assist them in their duties, including the FBI's NCIC database, Maryland's Hot Files, the Motor Vehicle Administration (MVA) database, and the National Law Enforcement Telecommunications Service (NLETS). This project will achieve the federally established goal of rolling out the NCIC system to all State-wide law enforcement agencies. The NCIC system investment supports the entire core/priority mission functions performed by the Maryland State Police and other law enforcement agencies.

Public Safety Impact and Significant Accomplishments of the NCIC:

Implements a web-based system that provides police officers in the field throughout the State with access to the FBI's NCIC, a computerized database of criminal justice information available nationwide, 24/7/365;

Allows Maryland law enforcement personnel to access Maryland's Hot Files, the MVA database, NLETS, Sex Offender, Convicted Person on Supervised Release, and SENTRY (an index of persons incarcerated in federal prisons) on their mobile data terminals and;

Gives law enforcement the ability to transmit and view images which includes mug shots, fingerprints, signatures, and identifying photographs to confirm a subject's identity and enables the capability of attaching photos to missing person and stolen property files.

- Agencies in seventeen Counties and Baltimore City have been successfully upgraded to METERS (Maryland Electronic Telecommunications Enforcement Resource System) which upgrades their systems to allow all of the accesses and abilities outlined above.
- Six agencies have converted to the Remote Mobile Data Terminal System (RMDTS) and several agencies continue to test for implementation. MVA Photos have been successfully transmitted to the MDTs.
- Plans for the next stage of METERS rollout is planned for Western Maryland Agencies beginning January 2010.
- The Domestic Violence Central Repository METERS Interface (DVCR) has been implemented.
- Execution of a Technical Memorandum of Understanding (TMOU) regarding establishing a disaster recovery site has begun between the State of Maryland and the Federal Bureau of Investigation Criminal Justice Information Services Division.

### **DNA Collections at Charging**

This program provides a means during the booking process that will communicate when a DNA sample is required for an offender. Through the data captured during the fingerprint process, the MAFIS Transaction Controller determines if a DNA sample is required. The fingerprint identification will enable a determination if the offender's sample is on file. This program provides for improved communications among law enforcement, booking agencies, local labs, prosecutors, and public defenders.

The benefits of this program to the State are:

- Earlier identification of possible links between criminal incident and perpetrators;

- Save investigation, prosecution, and incarceration resources;
- Solve and prevent crimes; and
- Exonerate wrongly accused.

## **MARYLAND STATE POLICE**

### **Electronic Traffic Information Exchange (E-TIX)**

E-TIX is a program that was developed by the Maryland State Police. The success of E-TIX is the result of the cooperation between the MSP and numerous partners such as the District Court, State Highway Administration, Motor Vehicle Administration and dozens of law enforcement agencies. E-TIX allows law enforcement officers to issue traffic citations and warnings (enforcement documents) electronically. When a car is stopped, the officer can scan the bar code on the driver's license and vehicle registration to populate the enforcement documents. That information is automatically checked against the E-TIX database of prior traffic stops and it is sent to CapWIN where it is checked via MILES / NCIC. The documents are then printed on a thermal printer that is installed in the patrol vehicle. Due to legislative changes that were developed in conjunction with the District Court, the violator is no longer required to sign a traffic citation. In addition, all legally-mandated traffic stop data and officer performance data is automatically collected. This system reduces the average time it takes to issue a traffic citation from over 8 minutes to less than 3 minutes, significantly improving officer safety.

#### Public Safety Impact and Significant Accomplishments of E-TIX:

- E-TIX is one of only two electronic citations systems that have been certified by the District Court. Certification was granted in March 2008.
- MSP has worked to secure 50 partner law enforcement agencies, all of which use E-TIX. These agencies range in size from the Maryland Transportation Authority Police, the Charles County Sheriff's Office and the Howard County Police Department (each with hundreds of officers) to Trappe Police Department (with one officer). We expect the number of partner agencies to grow in 2010.
- Since October 2009, two members of the MSP Office of Technology Management have conducted over 30 training sessions at sites across the State for troopers as well as officers in the partner agencies. Over 2000 officers have been trained with over 850 vehicles enabled across the State.
- There have been over 500,000 stops processed through the E-TIX system.



## CrimeReports.com

CrimeReports.com facilitates the aggregation of crime information from a multitude of various CAD and RMS systems across the State of Maryland and delivers all of that data through an easy-to-use map interface and automated, location-based alerts in near-real-time. The State also gains the ability to see municipal, regional and State crime patterns in the aggregate in near real time.

In May, 2009, The Governor's Office of Crime Control and Prevention awarded the Maryland State Police a Crime Mapping Grant to provide funding reimbursement to law enforcement agencies to cover participation in CrimeReports.com.

### Public Safety Impact and Significant Accomplishments of CrimeReports.com:

- Publicly accessible crime mapping that can be used by law enforcement, particularly agencies without CompStat capabilities, and by the general public.
- Supports the management and accountability process (CompStat) with data provided in near real or real time.
- Agencies are able to not only view maps of their local crime; they are able to view crime occurring in neighboring jurisdictions.
- Provides the capability to see crime regionally, by reviewing maps of District of Columbia and Maryland borders.
- In addition to sharing this crime information with the public, law enforcement agencies in the State are able to gain additional perspective and a high level view of the crime occurrences in neighboring jurisdictions that has previously been unattainable due to technical issues.
- Local law enforcement agencies are able to present information on mapping, in particular the use of crimereports.com in their jurisdiction, during local community meetings in order to raise awareness of the service and to express to locals how important crime mapping/analysis is in combating and preventing crime.
- To date, approximately 72 agencies in the State have signed on and begun sharing their crime data through CrimeReports.com. These agencies cover a service population of over 4 million citizens. Efforts to engage the remaining law enforcement agencies in the State are continuing. Since July 1, 2009, over 50,000 site visits via 203 cities have accessed the CrimeReports.com web site.

## JUDICIARY

### Maryland Judiciary Case Search

Provides public Internet access to information from case records maintained by the Maryland Judiciary. Allows users to search for Circuit and District Court cases and to see party and event information about those cases. This information includes defendant name, city and state, case number, date of birth, plaintiff name (civil cases only), trial date, charge, and case disposition.

Public Safety Impact and Significant Accomplishments of Case Search:

- Includes detailed case information for all Maryland District Court traffic, criminal, and civil cases and Maryland Circuit Court criminal and civil cases.
- A new Internet portal page (<https://jportal.mdcourts.gov>) introduced in 2008 allowed secure access to Domestic Violence Protective and Peace Orders. This search provides court and law enforcement personnel comprehensive search capabilities and access to these orders. Public access to Register of Wills was made available in 2009.
- Work has begun to provide secure access to warrants through this portal to replace the access currently provided through a mainframe interface.
- Case Search currently has over 12 million cases and averages 250,000 hits per day.

Future enhancements to the Maryland Judiciary Case Search being considered include:

- Providing access to warrant data in real-time through the mdcourts portal.

### Case Management System

The goal of this project is to replace the disparate legacy case management systems with an integrated statewide Case Management System (CMS) that will serve all courts and facilitate efficiencies in operations and data exchange with criminal justice partners.

Public Safety Impact and Significant Accomplishments of the CMS:

- The technical architecture for the integrated environment has been established and all legacy case related data is being replicated to an Oracle-based data warehouse environment on a real-time basis. These major accomplishments built the foundation upon which the Judiciary Case Search portal has delivered case data to law enforcement personnel.

- Work was completed in 2009 to interface protective order data to the METERS systems at Public Safety at the time an order is granted to speed the delivery of this data to the hot files and NCIC.
- Work is currently underway to interface warrant data in a real-time mode through a METERS interface.

Future development of the Maryland Judiciary Case Management System will include:

- Providing data exchange with criminal justice partners using accepted GJXML / NIEM standards.

## **2010 Goals**

The goals listed build upon the progress made during 2009. Significant success has been achieved with the cooperation of the CJIB Boards members and State criminal justice agencies.

The Board and its working groups will continue to identify priorities and work to establish partnerships and resources that may be utilized as the Board moves toward its goals and objectives in 2010, which are highlighted below:

- In partnership with State CIO and State Enterprise Architect support public safety integration of existing systems and development of distributed applications and public safety data standardization methods such as Global Justice XML (GJXML) and NIEM - now required to be used in new information sharing projects that are funded through State and federal grants.
- Review and establish the need for and how the Board can act as an advisor to interoperability projects.
- Continue to support the replacement of outdated Criminal History Data bases. This will continue to ensure efficient criminal identification for all law enforcement in the State of Maryland. The CJIB agrees that automated fingerprint identification systems are critical assets to the success of Maryland's public safety strategies.
- The Board will continue to support enhancement of interoperability with the FBI databases. For example, compliance with the new National Instant Check System (NICS) bill that encourages the states to share gun-purchasing disqualifiers to them so guns don't get sold to individual not deemed appropriate.
- The Board will continue to support new Brady Handgun requirements in an effort to feed the national Sex Offender Registry (SOR) databases with Maryland State information.

- The Board will continue to support and assist with the installation of additional Livescan devices across the State toward achieving a 100% rate of transmitting electronic criminal and applicant fingerprints to IAFIS.
- The Criminal Justice Records Improvement Master Plan will be reviewed and updated to insure the most accurate, complete and timely information to Maryland's Criminal Justice agencies.
- The CJIS State Repository plans to move in the direction of eliminating paper card submissions for applicant business in an effort to fully utilize livescan quality assurance technology and containment of increased customer delivery times.

### **Conclusion**

The CJIAB will continue to take a leadership role to support solutions that effectively leverage critical information across criminal justice agencies. Building on the accomplishments of 2009, the Board will continue to focus on its legislatively mandated responsibilities especially regarding the development, operation, and maintenance of the Criminal Justice Information System to enhance interoperability in Maryland.