

Alabama Traffic Records Coordinating Committee

Minutes of April 29, 2010

The Alabama Traffic Records Coordinating Committee (TRCC) held its Spring 2010 executive meeting on April 29, 2010 in Montgomery, Alabama.

In attendance were:

Terry Henderson	Governor's Highway Safety Representative	Chairman
Andrew Stancell	National Highway Traffic Safety Administration (NHSTA)	
Dustin Jones	Alabama Criminal Justice Information Center (ACJIC)	
Brenda Coone	Alabama Department of Revenue – Motor Vehicle Division (ADOR)	
Jay Starling	Alabama Department of Revenue – Motor Vehicle Division (ADOR)	
Dana Steil	University of Alabama – Center for Advanced Public Safety (UA-CAPS)	
Beau Elliott	University of Alabama – Center for Advanced Public Safety (UA-CAPS)	
David Brown	University of Alabama – Center for Advanced Public Safety (UA-CAPS)	
Rhonda Stricklin	University of Alabama – Center for Advanced Public Safety (UA-CAPS)	
Allen Parrish	University of Alabama – Center for Advanced Public Safety (UA-CAPS)	
Linda Guin	Federal Highway Administration (FHWA)	
Dennis Blair	Alabama Department of Public Health – Emergency Medical Services (APDH)	

Regular members NOT attending:

Alabama Department of Transportation (ALDOT)
Alabama Administrative Office of Courts (AOC)
Federal Motor Carrier Safety Administration (FMCSA)
Alabama Department of Public Safety (DPS)

The Chairman called the meeting to order and introduced the members. The Chairman announced that Alabama was scheduled for its five year Traffic Records Assessment in January of 2011.

Linda Guin of FHWA provided an update on the upcoming Alabama Safety Summit (Safe Home Alabama) to be held later in 2010.

Dave Brown of UA-CAPS briefed the members with an overview of 408 goals and objectives, accomplishments of the prior year and upcoming plans (PowerPoint attached). Alabama's operational foundation for projects has been based on the Traffic Records Assessment completed in 2005.

Accomplishments

eCrash Deployment

Alabama's eCrash application was released for general use in late 2009. To date, eCrash has been deployed to some 97% of reporting law enforcement agencies with some 70,000+ crash reports submitted to date. 100% compliance is anticipated to be reached by June of 2010.

Alabama's eCrash application provides field level data validation, electronic submission to supervisors for review and electronic submission to Alabama's Crash Records Repository when approved. Additional, the crash report format was revised concurrently with the eCrash rollout to provide MMUCC compliance.

Beau Elliot (UA-CAPS) provided a demonstration of the application, its validations abilities and the submission process. It is already apparent that crash submission will reach a timeliness level never achieved before.

eCrash/pCrash Integration

As both paper and electronic crash reports were (and will be) accepted in 2009 and 2010, a process to merge the two data files is necessary. This process has been developed and is currently being beta tested before being placed into use.

eCite and MOVE

Alabama's original field level electronic traffic data collection system – eCite- is presently in wide scale use in the state's law enforcement community. Deployed in 2003, the application is currently in use by over 300 agencies comprising some 2000 users. These users have issued over 2 million citations accounting for 90% of all issued citations. A secondary effect of eCite has been an overall increase in citation volume and a greatly reduced time from issuance to entry into the court system

Under the Mobile Officer's Virtual Environment (MOVE), a number of officer productivity and safety "tools" are integrated into a single desktop. These tools include:

- eCrash
- eCite
- LETS
- Logbook
- GPS locator and Map Point
- "Swipe" scanners
- Incident/Offense reporting (ULTRA)
- Motor Vehicle Inspections (ASPEN)

Beau Elliot (UA-CAPS) provided a demonstration of MOVE and the eCite application.

Dana Steil provided a demonstration of the analysis tools available for use with eCrash and eCite. The beta tool that has been developed (ADVANCE) provides authorized users with the ability to examine data in terms of frequency of a number of variables, mapping and other analytical measures.

DOR: Vehicle Registrations

Another area identified as needing improvement in the 2005 Assessment is the timeliness of vehicle registration data for traffic safety and enforcement purposes. A process has been planned and will be tested shortly that will improve this data transfer from local systems to the state repository on a daily basis as opposed to the current monthly submission process.

DPH: ePCR and NEMSIS

Alabama's EMS data overseer (ADPH) has completely overhauled the EMS "Run" data collection system and is now 100% NEMSIS compliant. In 2010, some 500,000+ "run" reports are expected to be received and used in conjunction with crash data.

Proposed Effort for the Coming Year

In building on the success of the previous year, the following projects were proposed for concentration in 2010 – 2011

- Continued improvements in filed level traffic safety enforcement Assistance to law enforcement
 - Deploying additional "forms" for completion in MOVE
 - Deploying an MOVE integrated NLETS/NCIC
- Continued data analysis improvements via CARE
- Establishing a "safety" website to be known as *Safe Home Alabama*
- Continued support of the collection of emergency "run" data
- Continue support for improving MVR records

After discussion by the TRCC, the projects were endorsed as the committee's goals for 2010- 2011.



Alabama Traffic Safety Information Systems Coordinating Committee Meeting

April 29, 2010

TSISC/TRC Committee Goals

- To save lives and reduce injury, suffering, and loss due to traffic crashes by allocating traffic safety resources to achieve their maximum effectiveness through the use of information technology.
- To develop, maintain and operate the most effective traffic safety information system in the Nation, recognizing that effectiveness comes through use.

Operational Foundation

- **Alabama Traffic Records Assessment (TRA)**
 - National assessment sponsored by NHTSA
 - Makes recommendations on all traffic records aspects
 - Last Alabama TRA: August 21-25, 2006
 - Next TRA: January 30- February 4, 2011
- **Section 408 Funding is Contingent on TSIS Plan for**
 - Crash
 - Roadway
 - Vehicle
 - Driver
 - Enforcement and Adjudication
 - EMS Run
 - Injury Surveillance

Data and Systems

Presentation Overview

- **Progress of the Past Year**
 - eCrash deployment
 - eCrash/pCrash integration
 - eCite and MOVE environment deployment
 - DoR: vehicle registrations
 - DPH: ePCR and NEMSIS
- **Proposed Effort for the Coming Year**
 - Assistance to law enforcement
 - DPS paperless operation
 - Nlets/NCIC
 - CARE ETL maintenance
 - Safe Home Alabama web site
 - ePCR and NEMSIS

TRA Crash Information: eCrash

Quality: "Assure through e-crash that all reports are 100 percent complete, 100 percent internally consistent, and that they are received within 48 hours."

Efficiency: "Generate considerable [increased] enforcement capability by reducing the time to complete the crash report form by 50 percent."

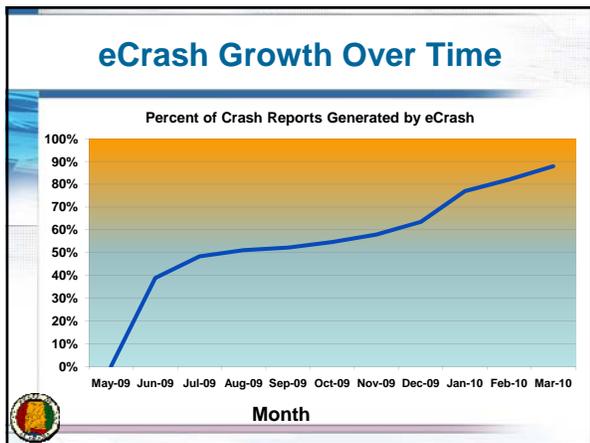
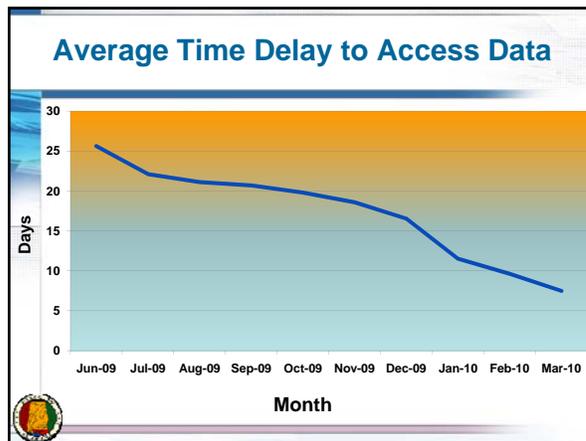
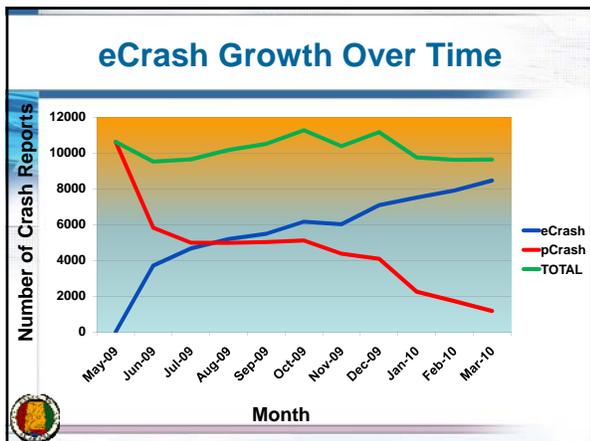
Cooperation: "... marshal the required funding, resources, and collaboration to implement e-crash in a timely manner."

Comprehensive: "... should contain some basic information about every reportable motor vehicle crash on any public roadway in the state."

eCrash Data Collection Progress

- **Goal: Completely Electronic Data Collection**
 - No paper form
- **MOVE-Supported Peripheral Integration Features:**
 - License scanning
 - Locations:
 - GPS receiver
 - Selection from a map
- **Rollout Completed to Date**
 - 97% of reporting agencies (only 10-15 to go)
 - Over 99% of reports
- **Target: All Agencies eCrash by June 1, 2010**





CARE ETL Progress

ETL: Extract-Translate-Load

- **Recent ETL Development Goal:**
 - Deal with problem of old and new data integration
 - Two partial years: 2009 and 2010
- **Updated ETL is in Beta Testing**
 - Complete revision of all variables completed
 - Revisions anticipated for special requests
- **Additional Benefits**
 - Multi-year analyses
 - More effective location processing

TRA: Citation Records System

“... the E-Citation Store will be a **centralized repository** that **tracks the complete “life cycle”** of a traffic citation (distribution to an officer, to its issuance to an offender, to its disposition by the court, and its placement on the driver history file). This will serve as a portal ... [enabling] law enforcement, prosecutors, and court personnel ... complete **information** about defendants regarding any prior actions or cases ... pending in any other court. Additionally, stakeholders ... have the information necessary to **evaluate** the effectiveness of enforcement activities and can be assured that there are procedures in place to account for citations from ... printing, through ... adjudication in the courts, to ... the driver record.”

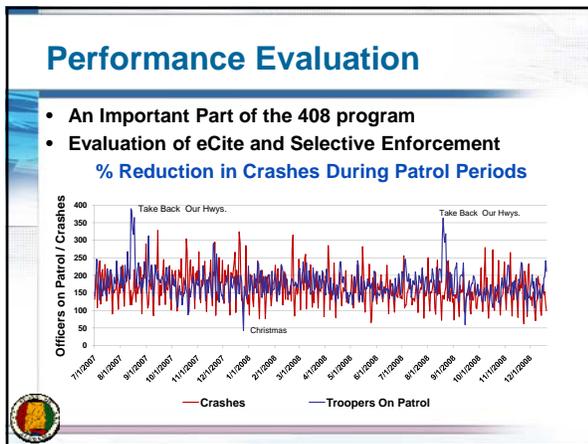
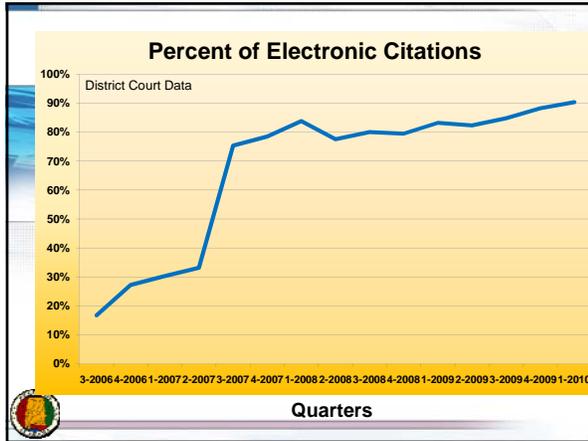
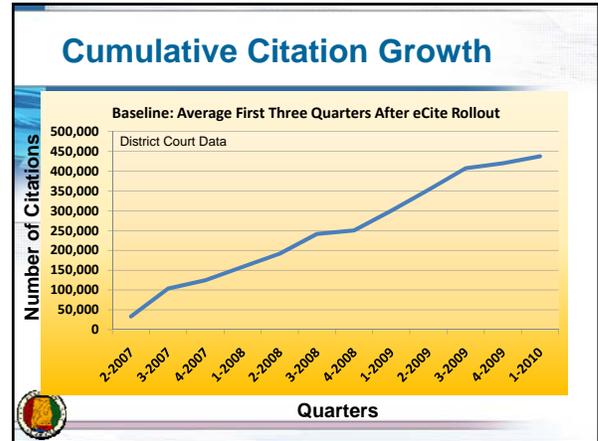
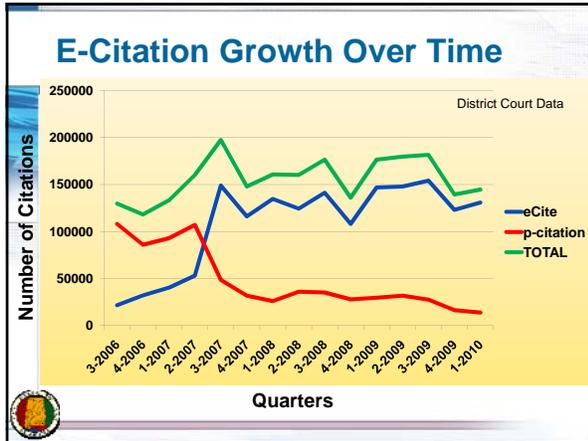
eCite Progress

April 2010

- **Initial Pilot:**
 - Heflin, AL weigh station
 - Initiated January 2003
- **Current Deployment:**
 - All state troopers (600 officers)
 - 1400 officers; 300 local agencies
 - 2000 total users
 - 0 agencies on waiting list
 - 75% agencies; 90% citations
- **Over 2 Million eCite Tickets Issued to Date**

APRIL 2009
All State Troopers (600 Officers)
700 Officers at 135 Local Agencies currently in place
100 Agencies On Waiting List

Administrative Office of Courts



- ### Findings
- 10% Fewer Crashes on Saturation Patrol Days
 - Statistically significant finding
 - Crash severity is also reduced
 - Major Reason: Speed Reduction
 - 10 MPH speed reduction = 50% reduction in fatalities
 - eCrash/eCite multiply law enforcement presence
 - A Trooper on the Road Writing Tickets Every Day:
 - Directly saves one life per year
 - Directly reduces 100 crashes per year
 - Indirect impacts are substantially higher than this, e.g.,
 - First aid and other injury mitigation
 - More accurate crash and citation data
 - Additional research needed in this area

TRA: Enforcement/Adjudication

"Information should be available which identifies **arrest and conviction** activity of the state, including information which tracks a citation from the time of its distribution to an enforcement jurisdiction, through its issuance to an offender, and its disposition by a court. Information should be available to identify the type of violation, location, date and time, the enforcement agency, court of jurisdiction, and final disposition. Similar information for warnings and other motor vehicle incidents that would **reflect enforcement activity** are also useful for highway safety purposes. This information is useful in determining level of enforcement activity in the state, accounting and control of citation forms, and monitoring of court activity regarding the disposition of traffic cases."



Mobile Officer Virtual Environment MOVE

- **All Tools in One Integrated Environment**
- **Several Types of Stakeholders:**
 - Public safety and law enforcement
 - Traffic safety community using operational data
 - Researchers using archival data
- **Concept Is to Maintain:**
 - A single visual environment
 - Maintain user familiarity
 - Add buttons to same interface
 - Data sharing among tools
 - Sharing of a common set of peripherals



MOVE Tools Jargon

- **LETS – Law Enforcement Tactical System**
 - AL Criminal Justice Information Portal
- **eCite – Electronic Citation**
- **Log Book – Contacts, Incidents etc.**
- **eCrash – Electronic Crash Report**
- **ULTRA – UCRReport – Incidents/Offenses**
- **ASPEN – CMV Inspection Reporting**
- **MapPoint – Mapping/GIS access**
- **Bar Code Scanning and GPS**



MOVE Environment



MOVE Peripherals



TRA: Motor Vehicle Registration Data

"Support the establishment of a Statewide Data Network for vehicle registrations."



Real-Time Vehicle Registrations

- **The Problem:**
 - Recent tag renewals show “expired”
 - Major problem when tags are transferred
- **Causes of the Problem:**
 - Tag data has been only uploaded monthly
 - To three separate central copies of the data
 - These have been synchronized monthly
 - Tag data has been up to 90 days out of date
- **The Solution: DRIVE Portal**
 - Daily transfers to a single central repository



Example

Tag History Details

TAC NUMBER	ISSUE DATE	VEHICLE	VIN#
REGISTRANT EMAILME BROWN DAVID B	EXPIRATION DATE 02-07-2008 02-28-2009 EXPIRED	2000 FORD EXPLORER	1FMZU63P6YZ881826



DRIVE Portal

- Department of Revenue Information on Vehicles
- **Provides Access to Registration Data**
 - Record retrieval
 - Statistical analyses
 - **Access Provided to Stakeholders**
 - Motor carrier operations personnel
 - License commissioners
 - General DOR personnel



DRIVE Portal Progress to Date

- Department of Revenue Information on Vehicles
- **Washington County Pilot**
 - To be completed by June 1, 2010
 - Will generate 20 counties (Gemini)
 - Next pilots: Limestone, Elmore, Lauderdale
 - **Vendors: \$2000/County – One Time**
 - To get data into standardized format
 - To assure it gets into database monthly
 - **Expected: 62/67 Counties by Sept. 2010**



TRA: Injury Surveillance System

ePCR – Electronic Patient Care Report
NEMSIS – National EMS Information System (Standard)

NEMSIS: “Insure that the EMS providers have input into the new EMS data collection system and the new NEMSIS data set.”

ePCR: “Provide data back to the EMS providers and hospitals that will assist them in evaluation of their agencies’ performance and quality improvement activities. This will assist in increasing participation.”



ePCR Progress

ePCR– Electronic Patient Care Report
OEMST – (Alabama) Office of EMS and Trauma

- **EMS Incident Data Under CARE**
 - Full CARE capabilities
 - Several users in the field
 - Installed at OEMST
 - “ ... vital to progress” of several applications
- **Quality Assurance Committee Established**
 - CARE enables evaluation of data quality
 - Completeness, consistency, reporting



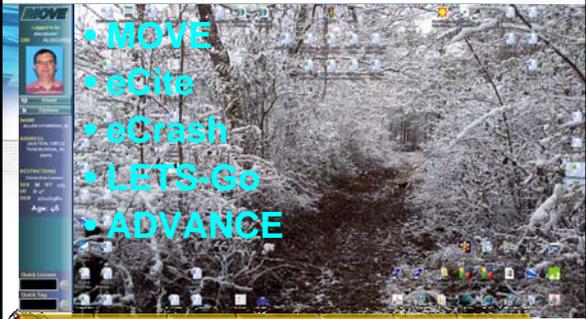
NEMSIS Progress

NEMSIS – National EMS Information System (Standard)
 OEMST – (Alabama) Office of EMS and Trauma

- **OEMST is 100% NEMSIS Compliant**
 - Pilots: 11 agencies, completed January 2008
 - 100% Compliance attained in January 2009
 - Expected in 2010: over 500,000 reports
- **Two Staff, 1 Research Analyst; 307 Providers ...**
 - 44 using free client software (decreased by 31)
 - 153 using free web version (increased by 19)
 - 110 using NEMSIS compliant 3rd party software (+11)



Demonstrations



- MOVE
- eCite
- eCrash
- LETS-Go
- ADVANCE

LETS eCite LogBook eCrash ULTRA ASPEN GPS-MapPoint

Proposed Effort for the Coming Year

- **Extending MOVE: DPS Paperless Operation**
- **Mobile Nlets/NCIC Project Completion**
- **Maintenance of CARE ETL eCrash/pCrash**
- **Safe Home Alabama Web Site**
- **ePCR and NEMSIS**
 - Continued maintenance of ePCR/NEMSIS
 - Recommendations from the 2006 TRA
- **Complete the Registration Records Project**
 - 2006 TRA, 2-C: "Support the establishment of a Statewide Data Network for vehicle registrations"
 - Analysis as needed



Proposed: DPS Paperless Operation

- **To Get Full Utilization of MOVE**
 - Easily accessed; user familiarity
 - Data and peripheral (scanner, GPS, etc.) sharing
- **Start with Highest Priority Form**
 - AST-60 DUI arrest form
- **Other Forms to Follow ...**
 - More motorist assist, field interview, SR13, I/O, arrest
 - Hazardous road condition, stored vehicle/inventory
 - Consent to search
- **Dashboards**
 - Display control information and metadata
 - Easily used and manipulated: drill downs



Proposed: Nlets/NCIC Data Integration

Nlets – National Law Enforcement Telecom System
 NCIC – National Crime Information Center

- **Goal: Put Access to Nlets in MOVE**
- **This Would Access NCIC for**
 - Driver histories
 - Driver license information
- **Also, Access ACJIC Hotfiles for**
 - Stolen vehicles
 - Other alerts, Amber, BOLOs or APBs



Proposed: CARE ETL Maintenance

ETL: Extract-Translate-Load

- **Updated ETL is in Beta Testing**
 - Complete revision of all variables completed
 - Revisions anticipated for special requests
- **Additional Effort**
 - Modifications of ETL due to special requests
 - Updates due to errors
 - Completing any further requirements



Proposed: Safe Home Alabama Web Site

- **Goals:**
 - To make SHA totally current and comprehensive
 - To involve all of the traffic safety community
- **Implement Newer Technology**
 - Need to be able to make quick daily updates
 - Requires an upgrade to the entire web site
- **Plans**
 - Approximately 20 volunteer associates
 - Each in a different functional area
 - Weekly inputs if at all possible



Proposed: ePCR and NEMSIS

- **Continued Data Enhancement and Use**
 - QA/QI Committee Recommendations
 - Cleaning data for Office of EMS and Trauma
 - Dashboard for CARE users
- **NEMSIS Software Licensing**
 - Maintenance
 - Upgrades
 - Enhancements

