DELTA PLUS:
MARYLAND’S
LAW ENFORCEMENT DATA
It All Started When...

Two troopers set out to build an electronic citation system for the State Police to capture not only citations but also warning and SERO data.

Who would have though it would have come this far?!?!
March 19, 2008
Maryland State Police were certified to issue electronic citations through Delta Plus.

First allied agency issued citation was:
HOWARD COUNTY (May 2009)
### By the Numbers 2013

<table>
<thead>
<tr>
<th>Number of Stops</th>
<th>Number of Citations</th>
<th>Number of Warnings</th>
<th>Number of SEROS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,401,217</td>
<td>960,700</td>
<td>1,125,745</td>
<td>170,599</td>
</tr>
</tbody>
</table>

**eReferral was Deployed October 1, 2013**

### 2014

<table>
<thead>
<tr>
<th>Number of Stops</th>
<th>Number of Citations</th>
<th>Number of Warnings</th>
<th>Number of SEROS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,481,920</td>
<td>1,020,804</td>
<td>1,215,853</td>
<td>193,056</td>
</tr>
</tbody>
</table>
By the Numbers
Since Inception

<table>
<thead>
<tr>
<th>Number of Stops</th>
<th>Number of Citations</th>
<th>Number of Warnings</th>
<th>Number of SEROS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 Million +</td>
<td>4,771,081</td>
<td>5,539,863</td>
<td>495,031</td>
</tr>
</tbody>
</table>

Number of User Accounts
14,563

Total Fines Charged
$444,480,299
Development over the years

We have been busy developing other modules within Delta Plus

- Field Interview Report Re-Design
- Electronic Driver Re-Examination Form
- Criminal Citation Data Collection
- Vehicle Search Reports
- Automated Crash Reporting System (ACRS)
FIELD INTERVIEW REPORT

Existing Field Interview Report had limitations
• Did not support photos well
• Did not have descriptors for the person
• Did not include GPS Coordinates for mapping

We wanted to increase the situational awareness on the scene when an individual or vehicle was queried through Delta Plus.

We do a poor job sharing information between agencies who work in the same area or around the State. With a functional FIR component, we could bridge those gaps.
Opening an FIR

NEW FIELD INTERVIEW

OPEN SAVED FIR

Users need to be able to save and return to the FIR to complete it at a later point in time.
## Field Interview Report

### People

### Person Information

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td></td>
</tr>
<tr>
<td>Zip</td>
<td></td>
</tr>
<tr>
<td>County</td>
<td></td>
</tr>
<tr>
<td>Date Issued</td>
<td></td>
</tr>
<tr>
<td>Sex</td>
<td></td>
</tr>
<tr>
<td>Race</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td></td>
</tr>
<tr>
<td>DOB</td>
<td></td>
</tr>
<tr>
<td>SSN</td>
<td></td>
</tr>
</tbody>
</table>

### Phone Numbers

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home</td>
<td></td>
</tr>
<tr>
<td>Cell</td>
<td></td>
</tr>
<tr>
<td>Work</td>
<td></td>
</tr>
</tbody>
</table>

### Hair

<table>
<thead>
<tr>
<th>Color</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Hair Color</td>
<td></td>
</tr>
</tbody>
</table>

### Eye

<table>
<thead>
<tr>
<th>Color</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Eye Color</td>
<td></td>
</tr>
</tbody>
</table>

### Skin Tone

<table>
<thead>
<tr>
<th>Color</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Select Skin Tone</td>
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</tbody>
</table>

### Facial Hair

<table>
<thead>
<tr>
<th>Color</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Facial Hair Color</td>
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</tr>
</tbody>
</table>

### Eyewear

<table>
<thead>
<tr>
<th>Color</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Eyewear</td>
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</tr>
</tbody>
</table>

### Build

<table>
<thead>
<tr>
<th>Type</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Build</td>
<td></td>
</tr>
</tbody>
</table>

### Identifiers

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Clothing

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### School/Work Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Vehicles

**Vehicle Information**

- **Tag #**
- **State**
- **VIN**
- **Year**
- **Make**
- **Model**
- **Color**

**Owner Information**

- **Name**
- **First**
- **Middle**
- **Last**
- **Address**
- **City**
- **State**
- **Zip**
- **County**
- **Phone Numbers**
  - **Home**
  - **Cell**
  - **Work**

**Remove this Vehicle**
Who has completed a Request for Re-examination?

Motor Vehicle Administration began a campaign to increase awareness of older drivers and impaired drivers. One way to assist is an electronic driver re-examination form for Law Enforcement.

- Decrease the time it takes to fill out a re-examination
- Increase the number of referrals per year
- Eliminate the commander signature
- Checkboxes for the indicators
- Pre-populate from E-TIX traffic stop data

As a State we only do about 500-600 Driver reexaminations each year.

Motor Vehicle Administration funded an electronic process for referrals.
eReferrals Submitted per Quarter

eReferrals have increased by almost 300%
MVA eReferral Entry

**Driver Details**
- **Soundex:** T123123123123
- **State:** MD
- **Name:** TEST
- **Address:** TEST
- **City:** TEST
- **DOB:** 1/1/1960
- **Sex:** M
- **Race:** WHITE

**Traffic Stop Details**
- **Date:** 10/22/2014
- **Time:** 10:51
- **Crash Type:** NA
- **County:** HARFORD - 12
- **Location:** TEST LOCATION

**Charges Issued**
- **CHARGECODE:** 13-411.6
  - **CHARGEDDESCRIPTION:** FAILURE TO ATTACH VEHICLE... DIKDA1
  - **VIOLATIONTYPE:** Citation
- **CHARGECODE:** 22-412.3(b)
  - **CHARGEDDESCRIPTION:** OPERATOR NOT RESTRAINED... MSP05116000137W
  - **VIOLATIONTYPE:** Warning

**Summary - What action/observation of the driver led you to request a re-examination/medical evaluation?**

**Indicators**
- Confused/Disoriented
- Lost or Confused while Driving Near Home
- Drowsy
- Blackout
- Seizure
- Fainting Spell
- Alcohol/Illlicit Drug Use
- Prescription Medication
- Weakness/Poor Coordination
- Walking/Balance Problem
- Vision Problem
- Not Reacting to Vehicles/Pedestrians
- Not Adequately Controlling Vehicle
- Driving Too Slow or Inappropriately Stopping
- Driving on Wrong Side of Road/Wrong Lane
- Other Observation Described in Summary

**Options:**
- Submit eReferral
- Print eReferral
- Search eReferral
- Cancel Request
Print out of eReferral is clean and easy to read.
Data is electronically sent to MVA nightly.
Process is began almost immediately.

Searchable eReferrals assist in situational awareness.
Criminal Citation Data Collection

Legislative statute requires Maryland Law Enforcement agencies to collect data on every criminal citation issued and report the data to the Maryland Analysis center every year.

Maryland Analysis center requested a process to assist in the collection of this data.

Delta Plus already collects the race data for traffic stops

District Court has the majority of the required fields

Enter only fields required to match up with the court data on the back end

Court data will have information needed for this. Nightly, receive court data that will assist in audits and completion of the data.
Vehicle Search Report

- MSP needs a vehicle search report with the CAD/RMS transition
- Traffic data is already in Delta Plus
- Be able to reduce the number of forms an officer needs to fill out for a traffic stop
- Race Data can be included with the report on reportable traffic stops to minimize the duplicate work
- Populate what can be populated via E-TIX
- Reports can be submitted from the vehicle
- Approval can be performed through Delta Plus

MSP transitioning to a new CAD/RMS with no search report. Custom report in RMS.

If all the traffic related data and work is in Delta Plus, let's put the vehicle search report in. Other agencies can use this report also. Approval will be built into the report manager.
Automated Crash Reporting System

The crash report in Maryland is out of date and needs to be updated to conform with new MMUCC standards being used throughout the country. MMUCC is continuing to change and the paper form is not going to work. Electronic reporting is the way to move for the crash report.

FMCSA funding has assisted with development of ACRS.

MHSO has continued to support the ACRS effort with additional funding.
ELECTRONIC REPORTING WENT INTO EFFECT
JANUARY 1, 2015

Train the Trainer and end user classes started in November 2013

Transition has been smooth. No paper is being accepted at Central Records.

Sgt. Jones is the point of contact for ACRS training
DataBak is Coming

- The crash report schema is very complex and has a large amount of data
- Data is relational and XML files will be used
- XML will include the PDF of the crash report
- XSD files and Documentation is being developed for agencies to implement the data structure

Schemas will change:
- Definitions are updated
- Elements are added or removed
- Fields are added or removed

DataBak for the agencies to receive their crash data
Paper Traffic Stop Entry

The Maryland Transportation Authority Police funded this project.

Development has been completed and deployed to two agencies.
### Paper Traffic Stop Entry

**Violator**
- Driver's License / Soundex Number
- Address
- Height
- Weight
- Race
- Sex
- Birth Date
- State
- Defendant's (First) Name
- Middle
- Last/Suffix
- City
- County
- State
- Zip Code

**Vehicle**
- Vehicle Reg.
- State
- Year
- Make
- Model
- Type
- Coor
- VIN
- Title

**Location and Misc.**
- Violation Date
- Violation Time
- PI
- P.D
- Safety Belts
- HAZMAT
- CDL (LICENSE)
- FATAL ACC
- A/R SUSP. REV.
- County
- GPS at Location of Offense
- Area
- Arrest Type
- Vehicle Use
- DOT Number

**Adjudication**
- District
- Loc.
- I.D. No.
- Officer
- Agency
- Sub-Agency
- ID No.
- Agency
- Sub-Agency

**Charges**
- Violation Type
- Control #
- Charge
- Description

**Violation Type**
- Control Number
- Article
- Charge

### Data Entry

**Submit**  **Add Vehicle Owner (0)**  **Add Witness (0)**  **Clear**  **Close**
Natural Resources Police requests that they be able to enter Natural Resource violation data through Delta Plus.

- NRP have funding for the project
- Violations will be warnings and citations in the following categories:
  1. Boating
  2. Fishing
  3. Hunting
  4. State Lands
  5. All other violations
NR SPECIFIC CHARGES

<table>
<thead>
<tr>
<th>Location Code</th>
<th>Other License Type</th>
<th>License Number</th>
<th>Commercial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DONE

NR CHARGE CATEGORIES

- BOATING
- FISHING
- HUNTING
- STATE LANDS
- OTHER

ADDITIONAL CHARGES

Additional charges are added via the All Sections or Charges Search below

COMMON CHARGES

NR CHARGE SEARCH

| | | | | | | | | | | ADD CHARGE | CHARGE SEARCH |
License Plate Reader Data Collection

- The old process to collect information was via a google form.
- Data may be missing if the user does not fill out the google form when an arrest is made involving an LPR as the reason for the stop.
- LPR data collection made easier by tying it into the traffic stop.

- Funded by the Maryland Transportation Authority.
SUSPICIOUS ACTIVITY REPORTING

- Current process is to call MCAC and report a suspicious activity
- Extend the FIR entry and add the information to promote it to a SAR
- Development is complete but not rolled out statewide

- We will be prepared to allow the officer to enter the information and have the information ready to send to a Fusion Center
- Vehicle, Aircraft, Vessel inclusion for all types of activities

NATIONWIDE SAR INITIATIVE (NSI)
http://nsi.ncirc.gov
NON-REPORTABLE CRASH??
WHAT IS THAT??
DATA LOSS!!!

REPORT FOR EVERY CRASH, BUT SHORTER FOR PROPERTY DAMAGE CRASHES

SHORT FORM

FASTER REPORTS FOR PD, MORE CRASHES REPORTED FOR ANALYSIS...
AGENCIES WILL HAVE THE ABILITY TO WRITE A FULL REPORT WITH APPROVAL PROCESS.

FASTER PROCESSING TIMES, BETTER DATA, BETTER REPORTS
MORE CONVICTIONS, SAFER ROADS