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?!?!

Delta was supposed to be just for MSP

Delta is the de facto standard now for Law Enforcement in Maryland

E-TIX

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)

Data Sharing Became a Priority for MSP

More than 130 agencies use Delta Plus now

E-TIX

By the Numbers
2013

Number of Stops	Number of Citations	Number of Warnings	Number of SEROS
1,401,217	960,700	1,125,745	170,599

eReferral was Deployed
October 1, 2013

2014

Number of Stops	Number of Citations	Number of Warnings	Number of SEROS
1,481,920	1,020,804	1,215,853	193,056

An average of 2 stops are entered per minute

MEMO BOOK

By the Numbers Since Inception

Number of Stops	Number of Citations	Number of Warnings	Number of SEROS
7 Million +	4,771,081	5,539,863	495,031

Number of User Accounts
14,563

Total Fines Charged
$444,480,299

An average 2 stops are entered per minute

MEMO BOOK

Development over the years

We have been busy developing other modules within Delta Plus

Delta has been growing

- *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.

Montgomery County funded Field Interview Report work this past year.

Additional work for FIR:

DataBak

Opening an FIR

Users need to be able to save and return to the FIR to complete it at a later point in time

NEW FIELD INTERVIEW

OPEN SAVED FIR

SUMMARY

| Special Type | N/A ▼ | Case Number | | Promote to SAR |

FIR Information

| County | [County] ▼ | Date/Time | 11/11/2014 ▼ | 16:34 ⬍ | GPS X |
| | | | | | GPS Y |

Business Name

Address/Location

City | Zip | Patrol

CAPTURE

MAP

Narrative

ADD IMAGE

Images

People

FIRST	LAST	DOB	Soundex	Race	Sex

ADD PERSON

Vehicles

Registration	State	Make	Model
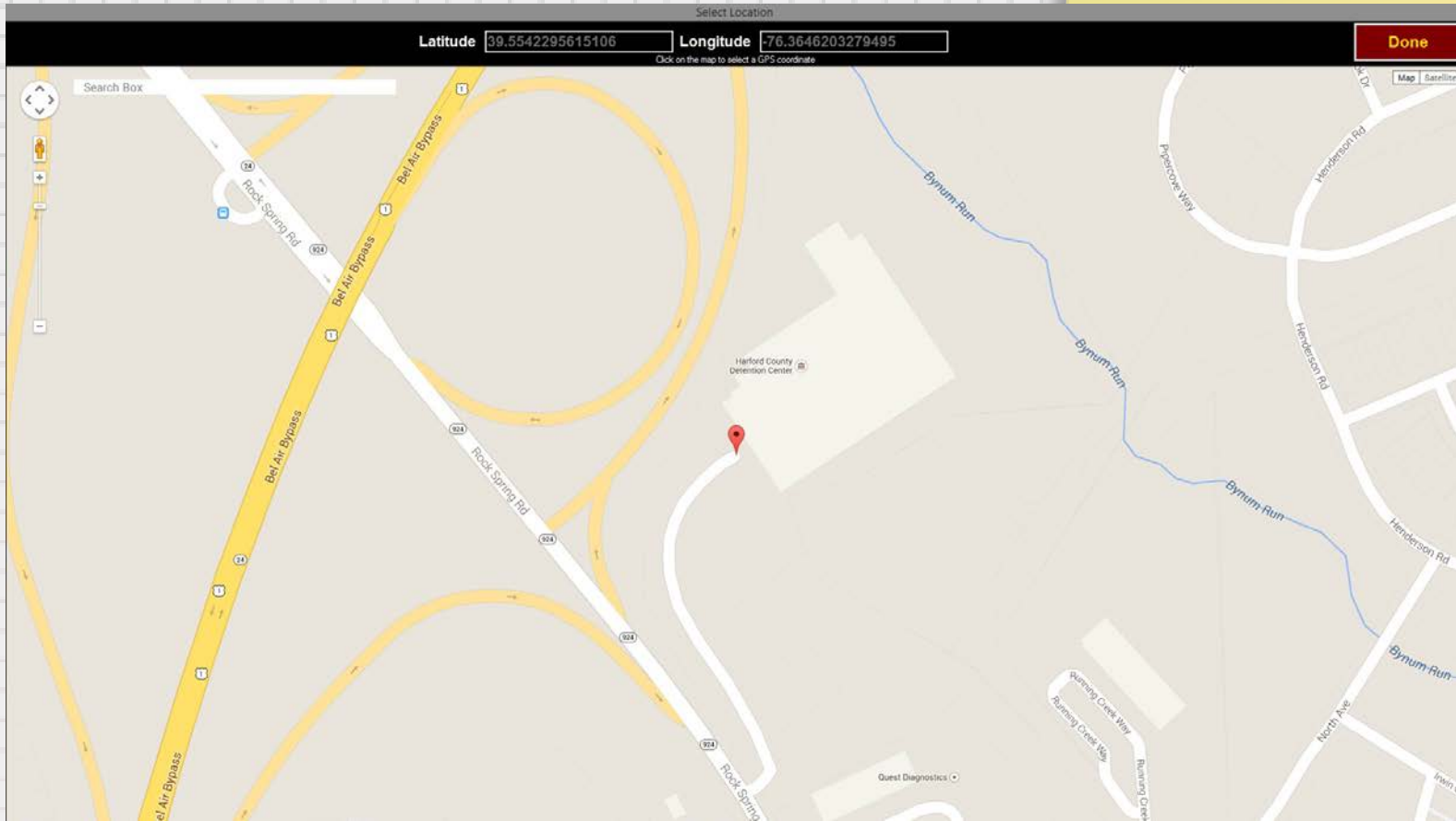
ADD VEHICLE

SUBMIT | SAVE | CLOSE

Summary · People · Vehicles · Photos

GPS MAPPING

VEHICLES

Vehicle 1 | Add Vehicle +

Vehicle Information

S C A N

Tag # [   ]   State [▼]   VIN [   ]

Year [   ]   Make [   ]   Model [   ]   Color [▼]

☑

REMOVE THIS VEHICLE

Owner Information

S C A N

Name [   ]   [   ]   [   ]
        First   Middle   Last

Address [   ]

City [   ]   State [▼]   Zip [   ]   County [SELECT COUNTY ▼]

☑

Phone Numbers

Home [   ]   Cell [   ]   Work [   ]

PICTURES

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 Adminsitration funded an electronic process for referrals

eReferral

MVA eReferral Entry

Driver Details

SCAN

Soundex	T123123123123
State	MD

	First	Middle	Last
Name	TEST		TEST

Address	TEST
City	TEST
State	MD
Zip	89898
County	HARFORD - 12
DOB	1/1/1980
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

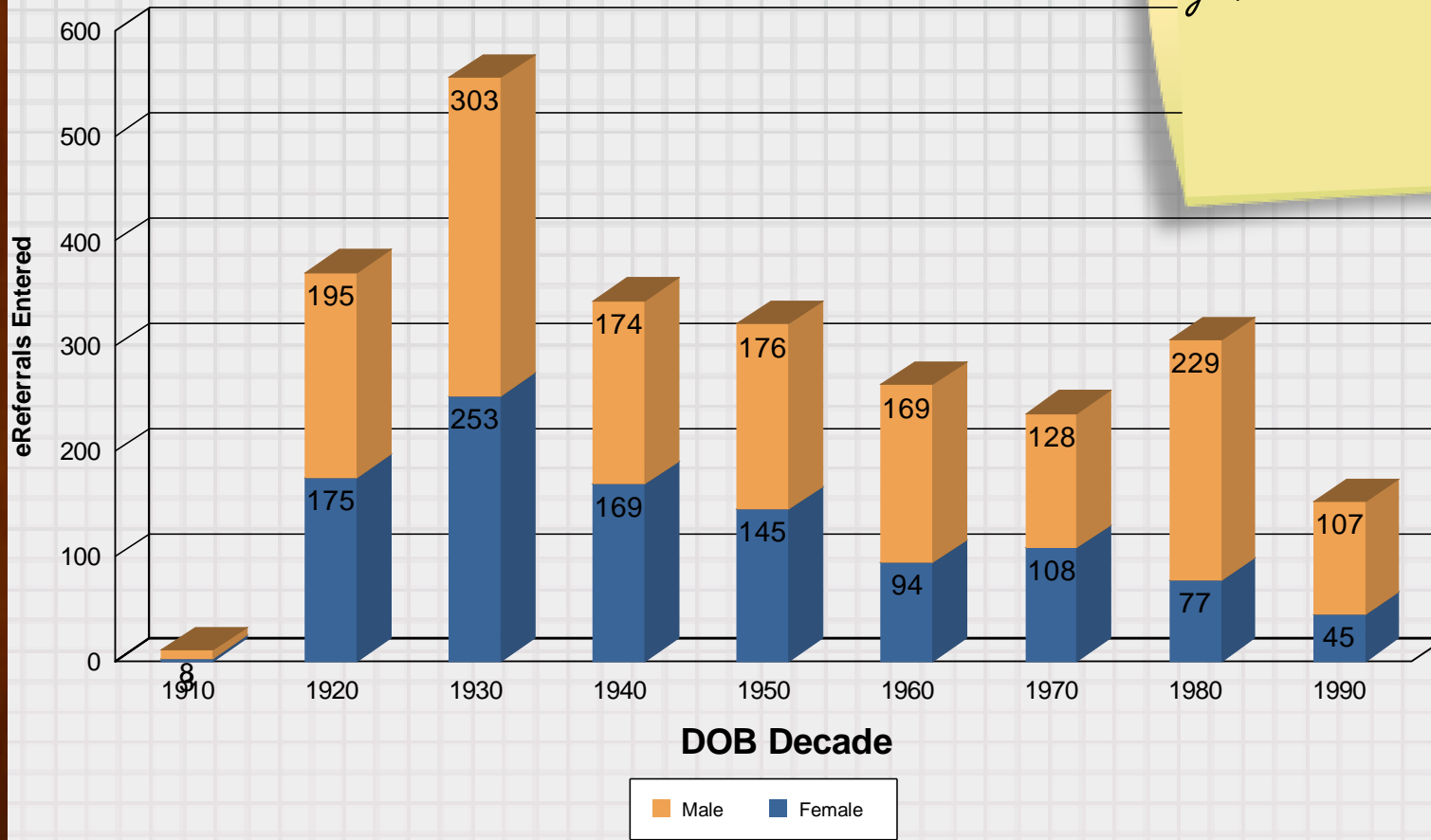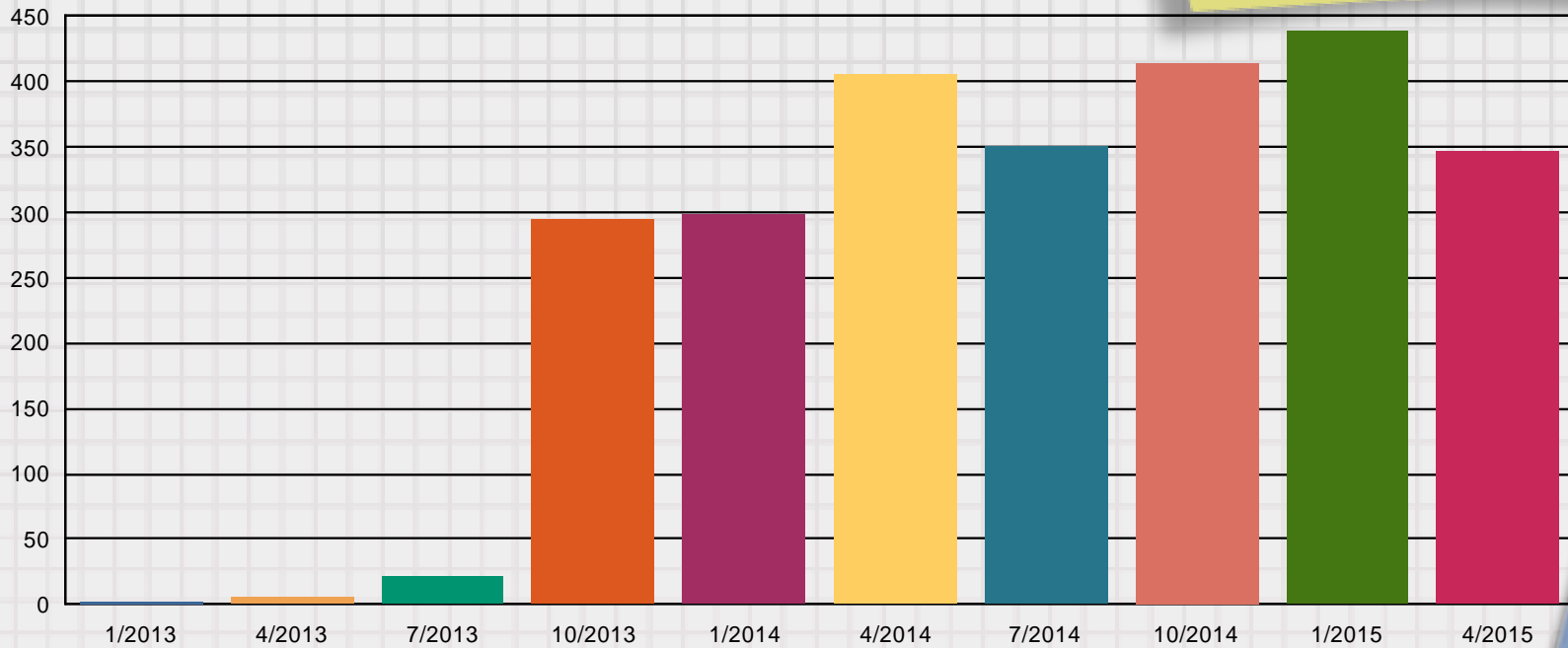| CHARGECODE	CHARGEDESCRIPTION	CONTROLNUMBER	VIOLATIONTYPE
13-411(a)	FAILURE TO ATTACH VEHICLE ...	01K0A01	ECitation
22-412.3(b)	OPERATOR NOT RESTRAINED ...	MSP0511000137W	Warning

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

Indicators

Check all appropriate boxes for observed driving behavior and/or physical or mental conditions. At Least 1 required

- ☑ Confused/Disoriented
- ☐ Lost or Confused while Driving Near Home
- ☐ Drowsy
- ☐ Blackout
- ☐ Seizure
- ☐ Fainting Spell
- ☐ Alcohol/Illicit 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

Submit eReferral **Print eReferral**

Search eReferral **Cancel Request**

eReferral

STATE OF MARYLAND
MOTOR VEHICLE ADMINISTRATION
REQUEST FOR RE-EXAMINATION OF DRIVER

Incident Location:	E/B 440 E/O HUGHES RD	Accident Involved: PD
Incident Date & Time:	07/12/14 18:22	Incident County: HARFORD - 12

Driver's License Number: M-█████████

Name: WALTER BRUCE MILLER

Date of Birth: 01/11/1931	Race: WHITE	Gender: M

Address: █████ HUGHES RD

City: DARLINGTON	State: MD	County: HARFORD - 12	Zip: 21034

Charges
Type: Citation   Control Number: 19N0G0D
21-301(a)- FAILURE TO DRIVE VEHICLE ON RIGHT HALF OF ROADWAY WHEN REQUIRED

Observed Driving Behavior and/or Physical or Mental Conditions
Confused/Disoriented   Lost or Confused while Driving Near Home
Drowsy   Prescription Medication
Not Adequately Controlling Vehicle

Summary
MILLER COULD NOT TELL ME EXACTLY WHAT HAPPENED TO CAUSE THE ACCIDENT. HE DOES NOT KNOW HE NO LONGER LIVES ON ██████ S RD, BUT LIVES ON █████ D. HE DOES NOT KNOW HIS TELEPHONE NUMBER. HE APPEARED TO BE SLUGGISH. HE HAD SLOW, SLURRED SPEECH. ON MULTIPLE MEDICATIONS AND COULD NOT TELL ME WHICH MEDICATION HE TOOK TODAY. OXYCODONE, SERTALINE, LISINOPRIL, SIMVASTATIN, NEXIUM, VERAPAMIL, LEVOTHYROXINE, PLAVIX, AVODART, FLOMAX, ECOTRIN. MILLER'S PUPILS WERE CONSTRICTED. HE COULD NOT FOLLOW THE TIP OF MY PEN (STIMULUS) USING HIS EYES ONLY. I WAS NOT ABLE TO TEST FOR HGN.

Certification of Officer
I certify pursuant to the provision of Section 12-109(b) Maryland Vehicle Law of the Annotated Code of Maryland under penalty of perjury that the statements made herein are true and correct to the best of my knowledge, information and belief.

Officer Signature:	ID Number: 6063

Officer Name:	Tpr Lipsky	
Agency:	Maryland State Police	Assignment: Barrack D Bel Air
Address:	1401 Bel Air Rd.	
City:	Bel Air	State: MD Zip: 21014

DC-039 (07-13)   Page 1 of 1

Print out of eReferral is clean and easy to read.

Data is electronically sent to MVA nightly.

Process is begun 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

Create reports to track the entries of the data from officer and court

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

Criminal Citation Data Entry

Citation Number:

[   ]   [Scan]

Agency:

[MSP   ▼]

Issue Date:
__/__/____

Issue Time:
__:__

Officer ID:
[   ]

Location:

[   ]

Residence County:

[▼]

[Submit]

Race/Ethnicity:

[▼]

[Close]

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 in to the report manager

Vehicle Search Report

Search Report Information

Status: **Open**   ( ) Reportable   ( ) Non-Reportable

CC# [ ]   Date & Time 10-22-2014   10:51   Videotape # [ ]

Location TEST LOCATION   County HARFORD - 12

Vehicle

Year 2000
Make FORD
Model MUSTANG
Tag TEST   State MD

Driver Information

Race WHITE
Gender M

Stop Reason

[ ] No Reason For Stop

[ ] [ ] [ ] [ ]

[ ]

SEARCH

Specific Grounds for Conducting Search

Search Type [ ]

Search Reason [ ]

Specific Grounds For Search:

Additional Information

Duration of Stop (min) [ ]

Driver Information

DOB 01-18-2013
County HARFORD - 12
State [ ]

Outcome: [ ]

Most serious violation (Warning, SERO, Citation, Arrest)

Reason: [ ]

Crime Charged

[ ] [ ] [ ] [ ]

[ ]

SEARCH

Item Seized

Item Type	Description	Amount	Location
*	Click here to add a new row		

Save

Submit

Cancel

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

MEMO BOOK

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	Class	State	Defendant's (First) Name	Middle	Last/Suffix

Address	City	County	State	Zip Code

Height	Weight	Race	Sex	Birth Date
				__/__/____

Vehicle

Vehicle Reg.	State	Year	Make	Model	Type	Color	VIN	Title

Location and Misc.

Violation Date	Violation Time
__/__/____	__:__

☐ PI   ☐ P.D   ☐ Safety Belts   ☐ HAZMAT   ☐ CDL (LICENSE)   ☐ FATAL ACC   ☐ A/R SUSP. REV.

Location of Offense	County	GPS at Location of Offense	Area	Arrest Type	Vehicle Use	DOT Number
					Not Applicable	

Adjudication

District	Loc.	I.D. No.	Officer	Agency	Sub-Agency
				MSP	9000

Radar Operator

I.D. No.	Agency	Sub-Agency
		9000

MD STATE POLICE HEADQUARTERS

Charges

Violation Type	Control #	Charge				

[Add] [Clear]

	Violation Type	Control Number	Article	Charge	Description

[Submit] [Add Vehicle Owner (0)] [Add Witness (0)] [Clear] [Close]

Anyone allowed to issue Natural Resource violations will be able to use this.

- 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

Location Code [   ] Other License Type [   ] License Number [   ]

Corporation [   ] ☐ Commercial

DONE

NR CHARGE CATEGORIES

BOATING   **FISHING**   **HUNTING**   **STATE LANDS**   **OTHER**

COMMON CHARGES

ADDITIONAL CHARGES

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

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

This will assist in collecting statistics for the program

Collecting this information will be related to the traffic stop if the user if using E-TIX. Less entry for an LPR stop.

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

Information entered can be passed to the Fusion Centers for inclusion in their system

NATIONWIDE SAR INITIATIVE (NSI)
http://nsi.ncirc.gov
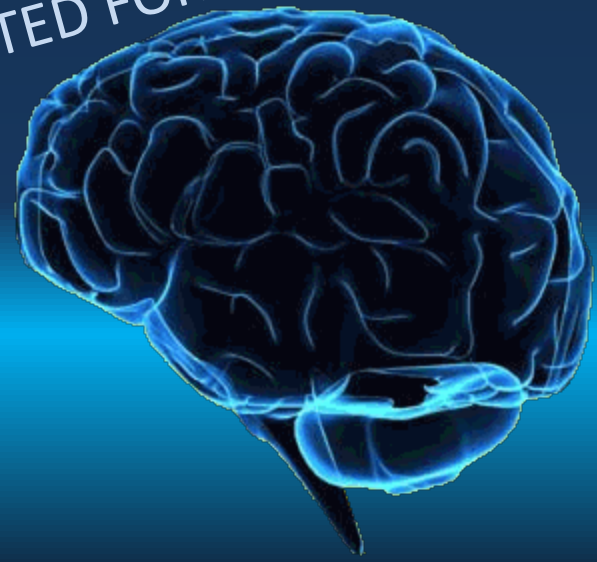
Advise of Rights DR-15

DRIVER ORDER OF
SUSPENSION DR-15A

DUI PROCESS

AGENCIES WILL HAVE THE ABILITY TO WRITE A
FULL REPORT WITH APPROVAL PROCESS.

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

christopher.corea@maryland.gov   dbradshaw@mdta.state.md.us