

Electronic Crash Reporting

CJIN Board Update

Mike Thomas

Judicial Center, Raleigh NC

September 27, 2012

Background

- The North Carolina Division of Motor Vehicles (DMV) collects and maintains crash data submitted by law enforcement agencies (LEAs) as required by G.S.20-166.1.
- North Carolina DMV Traffic Records processes over 270,000 crash reports annually
- In 2004, the DMV implemented the Traffic Records Communication Service (TRCS) as a no-cost method of entering and submitting crash reports electronically using the TraCS software.
- For calendar year 2009, over 66% of crash reports were still submitted to the DMV via paper.

ECRS

- Some LEAs choose to purchase software to facilitate the preparation of their paper crash reports
- Historically, these reports were mailed to DMV for processing
- The Electronic Crash Reporting System (ECRS) enables LEAs using vendor solutions to submit reports electronically to the State's crash report database

ECRS Rollout

The solution has been implemented with the following agencies since March 29, 2012:

- Greensboro
- Greenville
- Thomasville
- Burlington

The following agencies are in the process of implementing the ECRS solution:

- Wilmington
- Boone

ECRS Results

LEA	Go Live	Crash IDs
Garner PD	04/2011	1,083
Raleigh PD	06/2011	26,901
CMPD	11/2011	22,141
Charlotte Douglas Airport	11/2011	102
Davidson PD	11/2011	16
New Bern PD	03/2012	435
Greensboro PD	04/2012	2896
Thomasville PD	05/2012	242
Greenville PD	07/2012	865
Burlington PD	07/2012	75
Total		54,756

Paper v. Electronic

	Paper Process	Electronic Process
Post to database from crash date	10.5 days	4.5 days
% of reports aging > 30days from crash date	4.5%	< 1%

	Goal	Current
DMV Electronic submission	85%	68%

Benefits

- Crash data is entered into the system faster – both electronic and paper reports.
- Data is available to the DOT Traffic Safety section, safety research organizations, and Federal agencies faster than in the past.
- Improved data quality by moving edits to the front-end applications and eliminating the need to rekey data.

Rollout Challenges

- Working with smaller LEAs with limited IT resources
- Dependency on vendor staff for assistance with testing and rollout.
- Decision of some vendors to charge for the ECRS service.
- DOT-IT resources dedicated to the ECRS rollout.



Questions?

