

***The Use of Electronic Citations:
A Nationwide Assessment***

A JOINT REPORT BY

**THE OFFICE OF JUSTICE PROGRAMS,
BUREAU OF JUSTICE ASSISTANCE**

AND

THE DEPARTMENT OF TRANSPORTATION

JUNE 2003

ACKNOWLEDGEMENT

This report would not be possible without the research and statistical analysis provided by Mr. David Smith, transportation specialist, at the Federal Highway Administration's Office of Safety. The Bureau of Justice Assistance, Office of Information Technology would like to acknowledge the research support provided by the U.S. Department of Transportation staff in this collaborative effort.

The Use of Electronic Citations: A Nationwide Assessment

Motorists stopped for traffic violations in Cumberland County, North Carolina, in the year 2000 were the first in the nation to have their citations issued on a system that lets officers print out a ticket on-site while simultaneously sending a copy to the court via wireless technology. As a result, what started out as a pilot project in North Carolina is now gaining interest across the nation.

For years, law enforcement agencies have been frustrated by the challenge of collecting timely and accurate data from accident reports, traffic citations, and vehicle inspections. Manually collected data have historically contained errors of content and omission. Sometimes the data could not be collected at all due to smudges or poor handwriting on the paperwork. This problem is compounded by the need for multiple layers of data entry from different parties within the agencies. New technology, like that being used in North Carolina, now offers some relief for these problems. Law enforcement agencies throughout the country are looking at new technologies such as driver's license bar code scanners, electronic signature capture equipment, and information transmission equipment.

Technologies that are currently being piloted and implemented across the United States promise to benefit professionals at all levels of the law enforcement community. Driver's license bar code scanners, for instance, can save the officer on the street a great deal of time by alleviating the need to manually enter data on a paper ticket. It is estimated that using bar code scanning devices to populate electronic reports can eliminate up to 750 keystrokes in a crash report or up to 200 keystrokes per traffic citation.¹ This device also promotes police safety by allowing the police officer to spend more time observing a violator rather than diverting his or her attention to the writing of a ticket.

Information that is sent directly from the patrol car back to police headquarters or the court benefits those on the administrative level by improving data quality and timeliness. For example, the state of Iowa reports that it used to take up to 18 months for a crash report to complete a full cycle, starting with the reporting officer and ending with U.S. Department of Transportation (DOT) analyzers.² With the development and implementation of a system called TraCS (Traffic and Criminal Software), which transmits data directly to all interested parties, this time has been reduced to 18 hours. Likewise, the time required to process commercial vehicle inspection reports has decreased from 100 days to 14 days.

¹ International Association of Chiefs of Police, *IACP Patrol Tech*, Volume 1, Number 2, Fall 2001, *A Model For Law Enforcement and Transportation Cooperation Leaves Its TraCS*.

² <http://www.dot.state.ia.us/natmodel/index.htm>

Scope

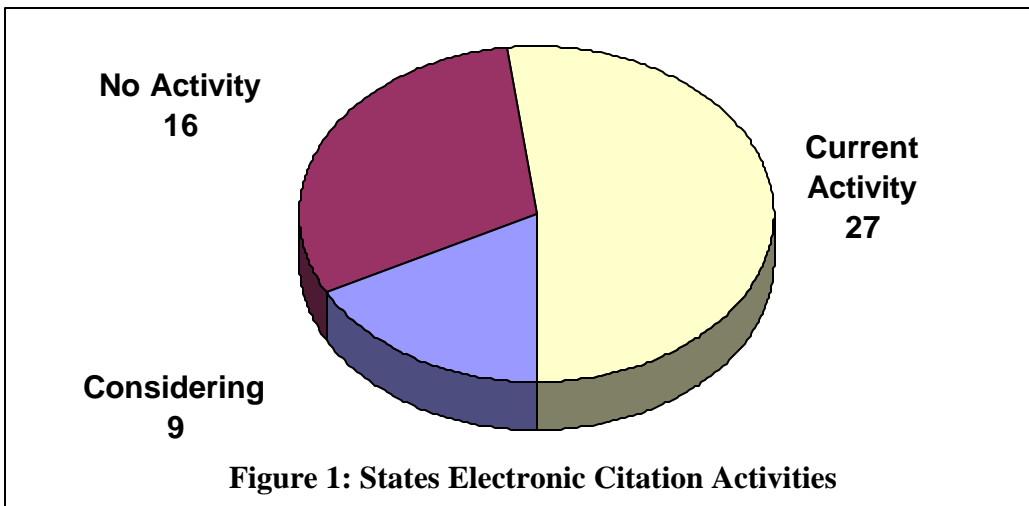
The Bureau of Justice Assistance (BJA) undertook this study of the use of electronic citations in order to provide a comprehensive view of how law enforcement agencies around the country are embracing this technology. BJA contacted leading law enforcement decision-makers from 50 states, the District of Columbia, and one U.S. territory (Puerto Rico) to find out at what, if any, level their agencies have begun to use electronic citations. The results of this query are provided in Appendix A: Environment.

For the purposes of this report, electronic citations are defined as the electronic collection of traffic reports or tickets through the use of a mobile data terminal (MDT), the Internet, or a handheld computer, such as a personal data assistant (PDA). Data may then be transmitted by radio, telephone, or other electronic means to a law enforcement agency server, database, or directly to the court for processing.

Findings

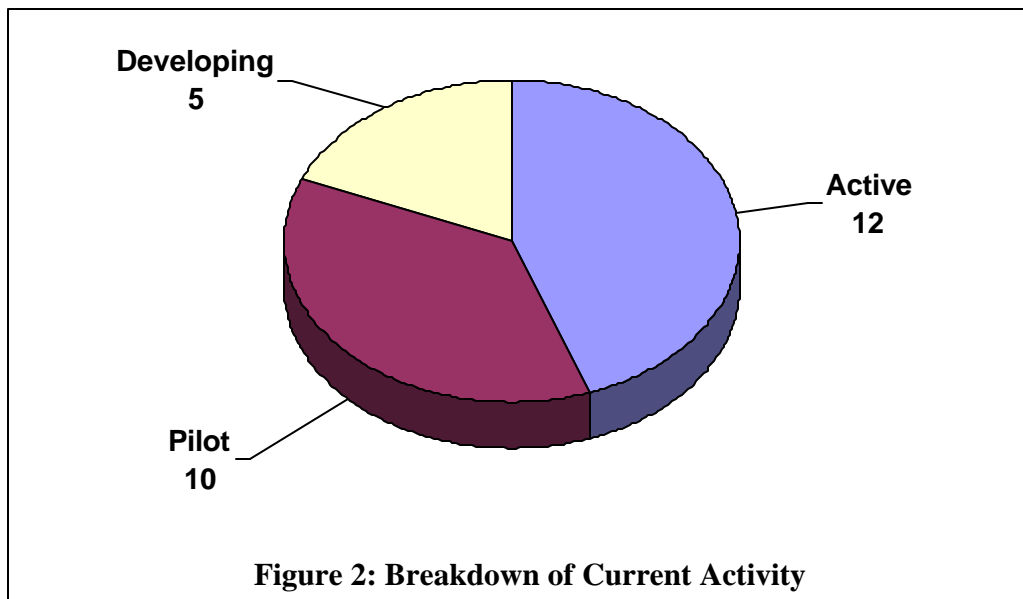
The use of electronic citations among law enforcement agencies across the country varies widely. Some states are still in the planning process, others are beginning or are in the middle of pilot programs, and others have developed and implemented systems that have been up and running for more than one or two years. What is clear from this study is that the majority of states are either currently implementing or testing some form of electronic processing technology, or at least planning to do so. This section describes the types of initiatives that are underway and the types of technology being used within those initiatives.

Twenty-seven states currently use electronic citations, have active pilot projects, or are in the process of building the necessary infrastructure for capturing and disseminating electronic citations to various agencies, including the court. Nine states have agencies that are considering the use of electronic citations but have not yet started a program to implement the electronic citation process. Fourteen states, the District of Columbia, and Puerto Rico currently have no electronic citation activity.



Of the 27 states with current activity, the following activities are underway:

States Currently Using Electronic Citations	States With Active Pilot Projects	States Currently Building Infrastructure
California	Alabama	Arizona
Colorado	Delaware	Georgia
Florida	Illinois	Maine
Iowa	Kentucky	South Carolina
Michigan	Nebraska	Texas
Minnesota	North Carolina	
Nevada	North Dakota	
New York	Tennessee	
Ohio	Washington	
Rhode Island	Wisconsin	
South Dakota		
Utah		



Most states are developing infrastructure in steps, and many are starting by developing electronic versions of traffic incident, vehicle inspection, weigh station, and criminal reports. States are collecting this data through various means, including the use of bar code scanning devices and key entry from laptops, PDAs, and other types of MDTs. Fourteen states have developed or are in the process of developing electronic reports, after which each plans to add electronic ticketing capabilities to the infrastructure.

States are also working on various ways to distribute the data once it is collected. Some jurisdictions are merely collecting data and saving them to an electronic version of a report for paper distribution to the court or administrative office. This method of distribution tends to be the precursor to a more advanced system, one that is able to electronically transmit information directly to headquarters and the court. However, several entities that are using

this method of distribution are doing so because their state law does not yet allow for electronic signatures. Other ways data is being distributed include various methods of sending data directly to the court, police headquarters, or a shared repository. Such methods include sending data through Web links via cellular and conventional telephone transmission methods; through radio, via cellular digital packet data (CDPD); or by direct download, once the officer returns to the station.

States that are using some form of electronic citation technology are using at least one of three different methods to process and transmit data to the appropriate entities. Six states currently have jurisdictions that are transmitting data directly from the patrol car or handheld device to a server at the court. Another six states are transmitting data to a central server that is controlled by local or state authorities, which, in turn, is accessed by both the court and administrative offices for processing. Finally, 10 states have jurisdictions that are sending or planning to send data to a central repository at police headquarters. From these repositories, the data will be distributed to the courts and administrative offices for processing. Houston, Texas, however, appears to provide a view of the future. The city recently purchased a handheld device that an officer can use to collect citation information out in the field. This device then relays the citation information in real time via a wireless network to a designated host system that includes the Houston Municipal Court.

TraCS

One program of particular interest in the development of electronic citation technology is Traffic and Criminal Software (TraCS). Iowa has partnered with the Federal Highway Administration to develop the TraCS crash reporting system. Out of this



Figure 3: TraCS Partner States

partnership was born the National Model for the Statewide Application of Data Collection and Management Technology to Improve Highway Safety. Since development, 16 states and the U.S. Virgin Islands have signed agreements to use TraCS technology.

TraCS offers a mobile version of its software for data collection that is based on the Microsoft® Windows platform and requires minimal hard drive space and memory. This version can be loaded on to a notebook or PDA-type computer equipped with a handheld scanner, and lets officers collect and validate data, receive information, complete reports and citations, and print. Once information has been gathered, data can be transmitted to the an agency repository through any number of transmission methods, including those mentioned earlier in this report.

TraCS Office is the software designed to be the agency repository for the data collected by the mobile platform modules. TraCS Office can use relational databases such as Oracle, Microsoft® Access, or Microsoft® SQL Server.™ Once information is entered into a report, it is sent to the database where it can be easily populated into other areas of the report or other associated documents. Available reports currently include Crash Reporting, Citation Issuance, Incident Reporting, Motor Carrier Inspection Reporting, and Operating While Intoxicated Reporting.

Benefits of Using Electronic Citation Technology

An important attribute of the Internet for those who work in public safety and justice is the idea of a ubiquitous network. The concept of a complete web of electronic communication is significant because instant data access by the various agencies in the law enforcement processes, from arrest or citation to conviction, will eventually make the administration of government significantly less expensive. Electronic citation technology will serve as a major link in this web of communication.

Currently, an estimated 10 percent³ of all citations the courts receive annually contain errors due to misspelling, poor handwriting, smudged copies, and inconsistencies between violation codes and descriptions. Electronic citation technology has the ability to eliminate most, if not all, of these types of errors by using existing information found on driver's license magnetic strips or state databases.

Electronic citation technology promises other benefits as well, from saving time and reducing costs, to increasing officer efficiency. The current paper system used in most jurisdictions takes an average of 12 days⁴ to process a citation and send it to the court. This process can now be done seamlessly within seconds. Finally, once the infrastructure is paid for, an electronic citation system promises to be a cost-effective solution since it will eliminate a great deal of overhead associated with clerical tasks.

³ <http://jurist.law.pitt.edu/courttech6.htm>

⁴ *ibid.*

For Further Information

Jurisdictions that have an interest in updating this report are encouraged to visit the Web site of the U.S. Department of Justice, Office of Justice Programs Information Technology Initiatives (<http://it.ojp.gov>). Please contact the Bureau of Justice Assistance Information Technology Office by sending an e-mail to it@ojp.gov to offer suggestions and other input via the Web site feedback form.

Appendix A—Environment

Fifty states, the District of Columbia, and Puerto Rico were asked to provide information on the use of electronic citations in their respective jurisdictions. The following table provides the responses to this survey.

State	Response
Alabama	<p>Alabama is in the process of piloting an electronic citation project at a truck weigh station. They are using software developed by the Iowa Department of Transportation and will soon add their own wireless component, which will allow for data capture using handheld integrated PDA scanner devices. When complete, data will be transmitted wirelessly to a laptop inside the weigh station. They are also in the initial stages of using voice recognition to collect data. Alabama is still in the process of implementing the interface to the central court servers, but they should have the data transmission piece completed within two to three months.</p> <p><u>Contact:</u> Allen Parrish, University of Alabama, Tuscaloosa, Alabama Phone: 205-348-3749 E-mail: parrish@cs.ua.edu</p>
Alaska	<p>(1) Alaska is in the process of developing an electronic Web-based traffic incidence report. (2) One city court is in the process of upgrading its system to use electronic court documents and will consider the use of electronic citations once the upgrade is completed.</p> <p><u>Contacts:</u></p> <p>(1) Carl Gonder, Alaska Department of Transportation Phone: 907-465-6996, E-mail: carl_gonder@dot.state.ak.us;</p> <p>(2) Yuancie Lee, Alaska Highway Safety Office Phone: 907-465-5298 E-mail: yuancie_lee@dot.state.ak.us</p>
Arizona	<p>The Arizona Criminal Justice Commission has initiated a committee consisting of the courts, the Motor Vehicle Division, and law enforcement agencies to study the statewide integration of data. The committee will consider issues such as funding, legislative changes, and data integrity. Two pilot projects are being initiated in Coconino and Pinal counties where data will be transmitted between the courts, the district attorney's office, the sheriff's office, and police agencies. Once an interface is built, the use of electronic citations will be addressed. The Arizona Department of Public Safety is working with the state Motor Vehicle Division to develop an electronic crash report. When this report is implemented, an electronic citation module will be considered.</p> <p><u>Contacts:</u></p> <p>(1) Jerry Hardt, Arizona Criminal Justice Commission Phone: 602-364-1146 E-mail: jhardt@ajcc.state.az.us</p> <p>(2) Commander Jeff Resler, Chief Information Officer, Arizona Department of Public Safety, Phone: 602-223-2089 E-mail: jresler@dps.state.az.us</p>

State	Response
<p>Arkansas</p>	<p>The Arkansas State Police Department is developing an electronic crash report. Once the crash report is completed, they will begin work on an electronic citation system. The state police and State Court Administrators are working toward the eventual implementation of an electronic citation system; this implementation is at least one year away.</p> <p><u>Contact:</u> Lieutenant Tommy Wicker, Arkansas State Police Phone: 870-633-1454 E-mail: twicker@asp.state.ar.us</p>
<p>California</p>	<p>The California Highway Patrol has a pilot project comprised of four commands in the Los Angeles and Ventura areas. The goal of the project is to test the collection of electronic data using various hardware devices. An interface is also being developed between the system and the Los Angeles and Ventura Superior Courts. By 2003, officers in these four commands should be issuing electronic citations. Numerous agencies in California now use electronic parking ticket citations, and some agencies, including Torrance and Stockton, use handheld computers for the electronic capture of parking and traffic citations, field investigation reports, and criminal reports. Data from these handheld units are then disseminated electronically to the courts and records systems.</p> <p><u>Contacts:</u></p> <p>(1) Marilyn Erskin, California Highway Patrol Phone: 916-657-9090 ext. 4051 E-mail: merskin@chp.ca.gov</p> <p>(2) Gary Ward, Autocite Phone: 949-707-3832 E-mail: gward@autocite.com</p>
<p>Colorado</p>	<p>The Colorado State Patrol is currently implementing the use of electronic citations in all patrol vehicles. The citation information will be sent wirelessly using cellular digital packet data (CDPD) or by telephone to a central processor at headquarters in Denver. Citations are packaged nightly, then sent through a data transfer system to the courts. The Colorado Department of Revenue and Department of Transportation are heading a statewide effort to develop an electronic citation program for all state agencies.</p> <p><u>Contact:</u> Doug Landin, Colorado State Patrol Phone: 303-239-4563 E-mail: landin@central.com</p>
<p>Connecticut</p>	<p>Connecticut is in the process of contracting with a consultant to review business practices in Connecticut. Once this is completed, they will implement the use of electronic citations. Most law enforcement agencies in Connecticut are now using Captain, an electronic data capture system developed in-house for crash reports. It is possible that Captain and modules from a second software system will be combined to create an electronic citation component.</p> <p><u>Contact:</u> Robert Whitney, Connecticut Department of Transportation Phone: 860-594-2365 E-mail: robert.whitney@po.state.ct.us</p>

State	Response
<p>Delaware</p>	<p>Delaware initiated a pilot project in August 2002 in four Delaware counties, which uses an electronic data capture program developed by another state. Citation information will be sent to both a central server and the courts. Violators will be able to submit payment electronically. Upon completion of the pilot project, the system will be offered to other Delaware law enforcement agencies.</p> <p>Contact: Michael McDonald, Director of Information Technology Delaware State Police, Phone: 302-659-2302 E-mail: michael.mcdonald@state.de.us</p>
<p>District of Columbia</p>	<p>1) The District of Columbia Metropolitan Police Department (MPD) does not transmit citation information electronically, and there are no current plans to incorporate such a system. (2) Once an officer in the District of Columbia issues a citation, a paper copy is sent to the U.S. District Attorney's Office. The U.S. District Attorney's Office then sends notification of intent to prosecute to the MPD Court Liaison Office. The Court Liaison Office then sends an electronic notification to appear in court to the officer who issued the citation. (3) The U.S. Park Police, a federal agency, expects to upgrade its computer-aided dispatch system, field reporting system, and records management system over the next year. Once completed, the Park Police will incorporate into their system the use of sending electronic citation information to the courts and crash information to those repositories responsible for collecting crash data.</p> <p>Contacts:</p> <p>(1) Officer Jane Dryden, Washington Metropolitan Police Department (MPD) Phone: 202-724-4363 (2) Officer Charmaine Mitchell, MPD Court Liaison Office Phone: 202-727-4466 (3) Lieutenant David Mulholland, U.S. Park Police Information Technology Division, Phone: 202-359-4392 E-mail: david_mulholland@nps.gov</p>
<p>Florida</p>	<p>The Florida Highway Patrol recently awarded a contract to implement electronic citations in the Jacksonville area. The Traffic Citation Accounting and Transmission System (TCATS) project provides a proof of concept for using electronic citations and for submitting them to a central site for fee/disbursement accounting. Citations under the TCATS project are sent to a central server. The courts then access records from the central server. Approximately 67 counties or cities in Florida use electronic citations or are considering the use of electronic citations.</p> <p>Contact: Paul Coates, Unisys Phone: 413-298-5308 E-mail: paul.coates@unisys.com</p>

State	Response
Georgia	<p>Georgia has designed an electronic citation system that uses software developed by a neighboring state's department of transportation. Three counties are currently in the process of developing systems for electronic citations, crash reports, and incident reports. All three counties are still involved in development efforts to create an electronic interface with the court to transmit citation data.</p> <p><u>Contact:</u> William Youngblood, consultant to the Georgia Governor's Office of Highway Safety, Phone: 770-528-7832</p>
Hawaii	<p>No activity.</p> <p><u>Contact:</u> Lieutenant Scott Yagihara, Kauai, Hawaii, Police Department Phone: 808-241-6760</p>
Idaho	<p>No activity.</p> <p><u>Contact:</u> John Peay, Idaho Supreme Court Phone: 208-334-3868</p>
Illinois	<p>The Illinois State Police Department has developed an electronic crash report system. Once this system is piloted, they will incorporate the use of electronic citations. The electronic citation component will be available within the next 18 to 24 months. One county is in the process of piloting a project that will allow for the transmission of parking citations to the court.</p> <p><u>Contact:</u> Sherry Akers, Illinois State Police Information Technology Division Phone: 217-785-2313</p>
Indiana	<p>Indiana's Marion County is currently considering the use of electronic citations, and tentative plans have been made to schedule a pilot project by next year.</p> <p><u>Contact:</u> Major John Hill, Indiana State Police Phone: 317-615-7373 E-mail: jhill@isp.state.in.us</p>
Iowa	<p>The Iowa Department of Transportation (IDOT) has developed a software package that includes modules for electronic citations, crash reports, vehicle safety reports, incident reports, and driving while intoxicated (DWI) reports. Citations are currently being transmitted directly to the courts, who in turn, send convictions directly to the Motor Vehicle Division of IDOT.</p> <p><u>Contact:</u> Mary Jensen, Iowa Department of Transportation, Motor Vehicle Division, Phone: 515-237-3153 E-mail: mjensen@max.state.ia.us</p>

State	Response
Kansas	<p>No activity.</p> <p><u>Contacts:</u> (1) Lieutenant Mark Bruce, Kansas Highway Patrol, Phone: 785-296-6800 (2) Officer Robert Baumli, Kansas City Police Department Phone: 913-573-6115</p>
Kentucky	<p>Kentucky has initiated a pilot project in Louisville and Jefferson counties to equip police vehicles with computers and software that will have the capability of generating electronic citations. Officials are now working with the court to develop the infrastructure for the transmission of electronic citations. Additional agencies will be provided with electronic citation capabilities, once the initial pilot project is underway.</p> <p><u>Contact:</u> Louis Smith, Chief Information Officer, Kentucky Justice Cabinet Phone: 502-564-7554 E-mail: louis.smith@mail.state.ky.us</p>
Louisiana	<p>No activity.</p> <p><u>Contact:</u> Charles Miller, Louisiana Highway Safety Commission Phone: 225-925-6045</p>
Maine	<p>Maine is in the process of developing the infrastructure and interfaces needed to convert their uniform summons and complaint form (used for traffic violations) to an electronic version. The Office of the Secretary of State, the Administrator of the Courts, the Prosecutor's Office, the State Police, and local law enforcement agencies are all working together to consider the legal requirements, business rules, and technical requirements that will be needed before this electronic form can be implemented.</p> <p><u>Contact:</u> Lieutenant Colonel Jeffrey D. Harmon, Deputy Chief, Maine State Police, Phone: 207-624-7067 E-mail: jeffrey.d.harmon@state.me.us</p>
Maryland	<p>The Maryland State Police Department plans to implement an electronic crash report followed with electronic citation capabilities sometime in the late 2003 time frame.</p> <p><u>Contact:</u> Thomas Steele, Chief Technology Officer, Maryland State Police Phone: 410-653-8367 E-mail: tsteele@mdsp.org</p>
Minnesota	<p>Washington and Dakota counties are currently using electronic citations. Washington County officers capture citation and parking ticket information electronically and transmit this information from the agency to the court.</p> <p><u>Contact:</u> Washington County, Minnesota, Court Administration Phone: 651-430-6279 E-mail: courts.state@mn.us</p>

State	Response
Mississippi	<p>No activity.</p> <p><u>Contact:</u> Gwen Ferguson, Mississippi Department of Public Safety Phone: 601-359-7425</p>
Missouri	<p>The Missouri State Highway Patrol is currently implementing a DWI tracking system and has plans to incorporate electronic citations into the system. The electronic citations component will not be incorporated for at least a year. The Missouri State Highway Patrol is presently building a central repository for all data.</p> <p><u>Contact:</u> Ron Beck, Missouri State Highway Patrol Information Systems Division, Phone: 573-751-9000 E-mail: rbeck02@mail.state.mo.us</p>
Montana	<p>No activity.</p> <p><u>Contact:</u> Sergeant Mitch Tutell Phone: 406-444-3825 E-mail: mtuttle@state.mt.us</p>
Nebraska	<p>The Nebraska State Highway Patrol is currently piloting an electronic citations program for their Motor Carrier Enforcement Division. The State Crime Commission is the lead agency in this pilot. A steering committee has been initiated, and Nebraska has contracted to develop the requirements for an automated system that will fulfill the following requirements: (1) the system must be able to integrate with the other state and federal systems, (2) the automated citation system will be made available to all state and local law enforcement agencies, and (3) standard formats for data exchange must be developed.</p> <p><u>Contact:</u> Doug Doncheski, Nebraska State Patrol MCSAP Division Phone: 402-471-0107 E-mail: ddonsche@nsp.state.ne.us</p>
Nevada	<p>Washoe County has completed a pilot project involving eight officers and is now in the process of providing electronic citation capabilities to an additional 34 officers. The interface between the agency and the Sparks city justice court is near completion. The Las Vegas Metro Police will soon be implementing electronic citations, and several other law enforcement agencies in Nevada are also interested in implementing this technology.</p> <p><u>Contact:</u> Denise Dunning, Nevada Department of Public Safety Phone: 775-687-5723 E-mail: ddunning@govmail.state.nv.us</p>

State	Response
<p>New Hampshire</p>	<p>The New Hampshire State Police Department is considering the use of electronic citations and is working with the University of New Hampshire on a project entitled Project 54. There are no agencies currently using electronic citations, and no pilot projects are underway in New Hampshire at this time.</p> <p><u>Contact:</u> Major Fred Booth, New Hampshire State Police Phone: 717-221-4517</p>
<p>New Jersey</p>	<p>No activity.</p> <p><u>Contacts:</u></p> <p>(1) Sergeant Frank McVey, New Jersey State Police Phone: 609-882-2000</p> <p>(2) Sergeant Paul Blanda, New Jersey Office of Highway Safety Phone: 609-633-9198</p>
<p>New Mexico</p>	<p>No activity.</p> <p><u>Contact:</u> Maureen Rene, New Mexico Supreme Court Phone: 505-476-6914</p>
<p>New York</p>	<p>New York has successfully piloted an electronic ticketing system developed by the Iowa Department of Transportation. The pilot was introduced in one county consisting of four police agencies, with 96 officers writing 4,000 tickets. The feedback on the pilot has been positive, and plans have been drafted for an expansion of the program to other areas of the state as soon as funding is released. The next step will be to create the infrastructure necessary for the electronic transfer of ticketing information from police agencies to the courts. Necessary infrastructure includes hiring and training support staff to coordinate and support the expansion of the system beyond the pilot area.</p> <p><u>Contact:</u> Lieutenant Leonard Casper, New York State Police Phone: 518-457-3258 E-mail: lcasper@troopers.state.ny.us</p>
<p>North Carolina</p>	<p>(1) The city of Fayetteville is currently piloting an electronic citation program. Thirty-six patrol cars are equipped with mobile data terminals that have the capability of issuing traffic tickets printed in the vehicle. Citation information is then sent via radio to the court. Once the pilot program has been fine-tuned, the state plans to expand the network to other counties. The electronic citation project in Fayetteville is a joint project between the North Carolina Criminal Justice Information Network, the Cumberland County Sheriff's Department, the Fayetteville Police Department, the Governor's Highway Safety Program, the North Carolina Highway Patrol, and the Administrative Office of the Courts. (2) According to Lieutenant Woody Sandy of the North Carolina State Highway Patrol, "electronic citations should free up time for officers." Two counties, Wake and Mecklenburg, are currently planning similar pilots.</p>

State	Response
<p>North Carolina Continued</p>	<p><u>Reference and Contact:</u> (1) <i>Alamance County Times-News</i>, Friday, July 19, 2002 (2) Lieutenant Woody Sandy, North Carolina State Highway Patrol Phone: 919-662-4444 E-mail: wsandy@ncshp.org</p>
<p>North Dakota</p>	<p>The North Dakota Highway Patrol has an electronic citation pilot project encompassing two of its eight districts. Troopers participating in the project are able to capture citations electronically for internal processing. By late 2002, the system will be capable of transferring electronic data to the court. Eventually all districts will have this capability. Several local agencies are also using electronic citations. The North Dakota Attorney General's Office is working with the courts through the Uniform Courts Information System (UCIS) to create a system that will allow criminal reports to be captured and disseminated electronically.</p> <p><u>Contact:</u> Captain David Kleppe, North Dakota Highway Patrol Phone: 701-328-2455 E-mail: dkleppe@state.nd.us</p>
<p>Ohio</p>	<p>The city of Akron is currently capturing citation data electronically, but they are unable to electronically send these data to the court. Instead, the system is used to print the citations on paper for submission to the court. In 2002, the Ohio Legislature passed legislation permitting the use of electronic citations; however, courts in Ohio presently require a paper copy of the citation with the original signature.</p> <p><u>Contact:</u> Captain James Harris, Akron, Ohio, Police Department Phone: 330-375-2216 E-mail: jharris@ci.akron.oh.us</p>
<p>Oklahoma</p>	<p>The Oklahoma Department of Public Safety has entered into a licensing agreement to use a software program with the ability to capture and transmit crash reports. Once this system is in place, the use of electronic citations will be considered. This program is expected to take between one and three years to implement.</p> <p><u>Contact:</u> J. D. Roberts, Oklahoma Department of Public Safety Phone: 405-425-2200 E-mail: jroberts@dps.state.ok.us</p>
<p>Oregon</p>	<p>Oregon is interested in developing a process of using electronic citations for the Oregon State Police. Other agencies have also expressed interest; however, lack of funding has held back implementation of such programs.</p> <p><u>Contact:</u> Lieutenant Gary Miller, Oregon State Police Phone: 503-378-3720 E-mail: gary.miller@state.or.us</p>

State	Response
Pennsylvania	<p>No activity.</p> <p><u>Contacts:</u></p> <p>(1) Sergeant Charles Ringer, Pennsylvania State Police Phone: 717-783-5517</p> <p>(2) Officer Frank Green, Philadelphia Police Department Office of Administration and Training, Phone: 215-686-3360</p>
Puerto Rico	<p>No activity.</p> <p><u>Contact:</u> Shirley Ramirez, Puerto Rico Traffic Safety Commission Phone: 787-721-4142</p>
Rhode Island	<p>(1) A majority of law enforcement agencies in Rhode Island capture citation information electronically with a common software package. Currently, the citation information is transmitted back to an agency server where it is reviewed at the agency level. (2) Many agencies then transmit this information to the courts electronically. Additional agencies are currently working on the interface to transmit information electronically to the court.</p> <p><u>Contacts:</u></p> <p>(1) Mary Gelardi, Rhode Island Department of Transportation Phone: 401-222-6935 E-mail: mgelardi@dot.state.ri.us</p> <p>(2) Bernie Noe, Information Management Corporation Phone: 508-839-6445 E-mail: bernienoe@imcus.com</p>
South Carolina	<p>An electronic citations program entitled South Carolina Collision and Ticket Tracking System (SCCATTS) is in the development phase and will be ready in 2003. The South Carolina Department of Public Safety plans to conduct a pilot test of the system before implementing it throughout the state.</p> <p><u>Contact:</u> Tammy Upchurch, South Carolina Department of Public Safety Phone: 803-896-9941 E-mail: tamara.upchurch@scdps.net</p>
South Dakota	<p>South Dakota has a committee that focuses on data integration between law enforcement, the courts, and the motor vehicle division. Plans are underway to implement an electronic crash report, then follow with electronic citations. The South Dakota Highway Patrol Commercial Vehicle Division currently captures inspection information electronically; however, this information is not electronically transmitted to other records systems.</p> <p><u>Contact:</u> Sergeant Noel Gabriel, South Dakota Highway Patrol Phone: 605-773-4578 E-mail: noel.gabriel@state.sd.us</p>

State	Response
<p>Tennessee</p>	<p>Tennessee is currently testing electronic citation and electronic crash reports software developed by another state agency. The plan is to incorporate electronic information into local and state agency data collection and dissemination systems. A steering committee has been formed and the Tennessee Attorney General's Office and the state Supreme Court are working with the committee to determine a way to transmit electronic information to the courts.</p> <p><u>Contact:</u> Charles McConnell, Senior Research Associate, University of Memphis, Phone: 901-678-3512 E-mail: charles-mcconnell@mail.psync.memphis.edu</p>
<p>Texas</p>	<p>(1) Houston has agreed to purchase a handheld electronic citation device that will enable police officers to retrieve and relay data and prepare traffic citations via a wireless network. The system will permit the downloading of electronic ticket information to the designated host system, to include the Houston Municipal Court. The wireless citation system features open-system architecture on a portable platform that, in the future, will make it possible for the city to add applications or to develop specific applications that will reach across various city departments. (2) Harris County is presently installing software and improved mobile data computers with the capability of electronically transmitting citation information to the court. However, this feature will not be available for approximately six to twelve months. (3) In addition, the cities of Austin, Denton, Plano, Richland Hills, and Carrollton are working to incorporate the collection and submission of electronic citation data to the courts.</p> <p><u>Reference/Contacts:</u> (1) Houston, press release dated May 9, 2002, "Houston Will Be First To Use Handheld Wireless Citation Application" (2) Harris County: Captain Jule Brownfield, Harris County, Texas Sheriff's Office, Phone: 713-755-7347 (3) Thomas Josey, Denton Court Administrator Phone: 940-349-8515 E-mail: tdjosey@cityofdenton.com</p>
<p>Utah</p>	<p>The Utah Highway Patrol has provided approximately two-thirds of its field vehicles with electronic citation capabilities. Other Utah agencies are in the process of enhancing their systems to handle electronic records. The courts in Utah require an electronic signature.</p> <p><u>Contact:</u> Jim Mathies, Program Director, Utah Highway Patrol Phone: 801-284-2960 E-mail: jmatthie@state.ut.us</p>
<p>Vermont</p>	<p>No activity.</p> <p><u>Contact:</u> Francis Aumand, Director, Vermont Department of Public Safety Phone: 802-241-5488</p>

State	Response
Virginia	<p>No activity.</p> <p><u>Contact:</u> R. R. Rasmussen II, Virginia Department of Transportation</p>
Washington	<p>Washington State is initiating a pilot project in Thurston County. The project is funded by a grant to the Office of the Administrator of the Courts. The goal of the project is to assess the feasibility of enabling law enforcement officers to create electronic citations and transmit them electronically to the Judicial Information System (JIS). In addition, the study will test methods of transmitting citation data from JIS to Department of Licensing (DOL) systems in compliance with the Driver History Initiative Project (DHIP). Finally, the project will establish a technical architecture and cost estimate for statewide implementation.</p> <p>Other project objectives include the following:</p> <ul style="list-style-type: none"> ▪ Improve the criminal history data quality, completeness, accuracy, and reliability by eliminating manual re-entry errors by the courts. ▪ Improve data timeliness by filing citations to the court within one day of creation and by transferring data to the DOL within one day of disposition. ▪ Improve data cost by significantly eliminating manual processing. <p><u>Contact:</u> Captain Fred Fakkema, Washington State Patrol Phone: 360-753-4632 E-mail: ffakkem@wsp.wa.gov</p>
West Virginia	<p>There are no agencies in West Virginia currently using electronic citations; however, the West Virginia State Police hope to begin a pilot project within a year.</p> <p><u>Contact:</u> Mark Holmes, West Virginia Division of Motor Vehicles Phone: 304-558-6080 E-mail: mholmes@dot.state.wv.us</p>
Wisconsin	<p>The Wisconsin State Patrol is currently piloting electronic citation software with five troopers in two counties. Once the pilot project is complete, approximately February 2003, Wisconsin State Patrol will begin rolling the program out to the entire state, district by district. This project is a partnership between the Wisconsin State Patrol Division of Motor Vehicles and the Circuit Court Automation Program.</p> <p><u>Contact:</u> Patricia McCallum, Wisconsin Department of Transportation, Department of Motor Vehicles (DMV) Division, Phone: 608-266-1077 E-mail: patricia.mccallum@dot.state.wi.us</p>
Wyoming	<p>No activity.</p> <p><u>Contact:</u> Colonel Gary Marsden, Wyoming Highway Patrol Phone: 307-777-4302</p>

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