

North Carolina Criminal Justice Information Network
Governing Board

Local Law Enforcement
RMS Information Sharing Initiative Report

September 2010

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Executive Summary

The Criminal Justice Information Network (CJIN) Governing Board started studying local law enforcement information sharing several years ago. After extensive research coupled with partnerships with both the local law enforcement agencies and their Record Management System (RMS) Vendors, the CJIN Board is in a unique position to recommend the adoption of data exchange standards within the State of North Carolina. Adopting a specific standard between the agency's RMS Vendor and a central repository will not only potentially save law enforcement tens of millions of dollars in the future but more importantly it will provide the criminal justice community with an abundance of actionable information that is not currently available to most agencies today. Furthermore, to our knowledge, North Carolina would be the first state to deploy such a strategy and this practice could be extended to other applications both within and outside of criminal justice.

This study began by inviting numerous police agencies and sheriffs to share with the Board their methods for communicating with other jurisdictions. These law enforcement agencies provided live demonstrations of their systems, power point presentations, handouts, and discussions regarding the enhancing of their existing methods, procedures, and technology; overall, the agencies are doing an outstanding job as evidenced by their postings on the CJIN Website.

Local law enforcement agencies across North Carolina are the custodians for a wealth of crime fighting data. These agencies maintain a repository containing a comprehensive view of every criminal incident that occurs within their jurisdiction. Over the last several decades this data has been in transition in the majority of agencies from a manual to automated process, complete with computers in the vehicles – millions of dollars are spent by local agencies to implement, operate, and maintain these systems. While the functionality of these systems varies significantly, they are each designed to satisfy the business needs of that agency.

In parallel with researching local information sharing, the CJIN Board contacted other states and federal agencies to determine how the industry was addressing these issues. The Board received presentations from the Federal Bureau of Investigation (FBI) and the Naval Criminal Investigative Service (NCIS) both of which have operational data repositories containing local incident information and both are functional on a national level - an effort is currently underway to connect these repositories.

The CJIN staff contacted all the RMS vendors that operate in North Carolina. Members of the Board and law enforcement met with three of these vendors, that collectively serve in excess of 95% of our local agencies and have their corporate headquarters in North Carolina, to determine how receptive they would be to providing a standard interface, and more importantly, maintaining this interface as part of their future core suite of products. The vendors were not only receptive to standardizing, they provided some significant insight into other areas such as single sign-on, two factor authentication, warrants, etc. CJIN facilitated these meetings, however personnel from local law enforcement agencies and other state agencies were in

attendance including the Administrative Office of the Courts (AOC) and the State Bureau of Investigation (SBI). The vendors also agreed to work closely with AOC on investigating an electronic interface to the NCAWARE System.

The SBI is in the process of posting a Request for Proposal to obtain the services of a vendor to assist with the creation of a state repository for local incident data. The project is in its infancy and until completion, local law enforcement agencies will continue to rely on various other systems for information outside their jurisdiction.

Based on over two years of CJIN meetings, various workshops, conversations with agencies both within and outside of North Carolina, the CJIN Board is making the following recommendations:

- Adopt a specific data standard to be used for Record Management System Vendors to exchange information with a designated repository;
- Allow the local law enforcement agencies and the regional systems to begin exchanging information with a federal agency (to be determined – FBI or NCIS);
- Request that each RMS Vendor select one of their North Carolina Law Enforcement Agencies and implement an operational data standard with a federal agency (to be determined – FBI or NCIS) as a proof of concept; and
- Redirect the routing of information from the selected federal agency back to the SBI when the state repository becomes fully operational.

Note: NCIS currently supports the interface to approximately 40 North Carolina local law enforcement agencies.

Background

The CJIN Board started to investigate information sharing at the local level for a variety of reasons; the CJIN Mobile Data Network was approaching obsolescence (the number of users has significantly decreased), the number of wireless applications was continuing to increase (eCITATION, DMV & Correction Photos, etc.), there were a variety of information sharing systems being implemented and used across the state (COPLINK, Police to Police, Rambler, Inform, etc.), there were systems under development or being discussed at the state level that would impact the operations of local law enforcement (NCAWARE, CJLEADS, Electronic Discovery, Crime Statistics, etc.), the Federal Bureau of Investigation was developing a national repository for local law enforcement information that contained advanced analytical tools (National Data Exchange – N-DEx), the Naval Criminal Investigative Services was developing a repository for local law enforcement agencies in proximity to Naval Installations that contained a database with applications (Law Enforcement Information Exchange – LInX), the wireless industry was continuing to enhance their products and broadband was being addressed at the federal level with stimulus funds, traditional 911 voice systems were on a fast track toward data and video that may have a cascading effort on record systems and courts, advance technologies were emerging in the criminal justice community such as digital signature, GIS, and security with two-factor authentication, and other states were implementing and discussing projects that would collect local incident information through the use of third-party vendors deploying a turn-key approach.

The Board was concerned that the impact to the criminal justice community within the state, as a result of all the various systems being developed, may be detrimental to the existing business process of local law enforcement agencies. If properly planned, designed, and implemented all the aforementioned items would significantly enhance the operation of local law enforcement.

The CJIN Board needed to update their original strategic plan and started the process by addressing the place where the majority of criminal cases originate, with the local law enforcement agencies. The Board was also working with the various state agencies on a variety of upgrades, enhancements, and new systems, while staying in contact with other states and federal agencies.

Criminal Justice Technology and Information Updates

To obtain a base line on information sharing and the technology being utilized, both at the local and state level, the CJIN Board reached out to various agencies for assistance. The following agencies provided the Board with presentations, live demonstrations, and handouts:

September 13, 2007

- Governor's Crime Commission – Grants
- NC Fusion Center – ISAAC
- Administrative Office of the Courts – NCAWARE
- State Bureau of Investigation – SAFIS

- State Highway Patrol – VIPER
- State Highway Patrol – DMV Photos
- E911 Wireless Board
- Durham Sheriff's Office – GangNet

November 8, 2007

- Administrative Office of the Courts – NCAWARE
- State Highway Patrol – VIPER
- State Bureau of Investigation – SAFIS
- Department of Juvenile and Delinquency Prevention – NC-JOIN
- North Carolina Local Government Information Systems Association
- Office of Information Technology Services – Second Major Data Center
- Department of Correction – OPUS

January 24, 2008

- Town of Cary IT
- City of Wilson IT
- City of High Point PD
- City of Jacksonville IT/PD
- State Bureau of Investigation – SAFIS
- City of Durham PD
- City of Raleigh PD
- Buncombe County IT/District Attorney

March 12, 2008

- Administrative Office of the Courts – NCAWARE
- State Highway Patrol – VIPER
- State Bureau of Investigation – SAFIS
- 2008 General Assembly Report

September 18, 2009

- Administrative Office of the Courts – NCAWARE
- State Highway Patrol – VIPER
- State Highway Patrol – DMV Photos
- Federal Bureau of Investigation – InfraGard
- Governor's Crime Commission – SAVAN
- Office of State Controller – CJLEADS
- State Highway Patrol – CJIN Mobile Data Network

November 20, 2008

- Town of Coats PD
- Administrative Office of the Courts – NCAWARE
- State Highway Patrol – VIPER
- State Highway Patrol – DMV Photos
- Department of Corrections – DOC Photos
- Buncombe County/City of Asheville IT/District Attorney
- Department of Corrections – Probation System

- State of Pennsylvania – Justice Network

January 27, 2009

- Office of Information Technology Services – Digital Signatures & E-Forms
- Wake County Sheriff's Office
- City of Raleigh PD
- City of Kinston PD
- Johnston County Sheriff's Office
- State of Michigan – Justice Network

March 26, 2009

- Office of Information Technology Services – Digital Signatures & E-Forms
- Wake County Sheriff's Office
- 2009 General Assembly Report
- State of Nebraska – Justice Network

October 29, 2009

- Administrative Office of the Courts – NCAWARE
- State Highway Patrol – VIPER
- Department of Corrections – DOC Photos
- Charlotte Mecklenburg PD – CRISS
- Office of State Controller – CJLEADS
- NC Department of Justice – Local Data Integration & Crime Statistics
- Naval Criminal Investigative Service – LInX
- Federal Bureau of Investigation – N-DEx

January 28, 2010

- Local Criminal Justice Information Sharing
- Town of Coats PD
- City of Dunn PD
- Harnett County Sheriff's Office
- City of Benson PD
- City of Lillington PD
- Town of Angier PD
- HB 1282 – Automated Pawn Systems
- City of Raleigh PD
- Wake County Sheriff's Office
- Charlotte Mecklenburg PD
- Guilford County Sheriff's Office
- City of Fayetteville PD
- Cumberland County Sheriff's Office
- City of Jacksonville IT/PD

Note: The details associated with the majority of the above presentations are posted on the CJIN Board Website with contact information on the agency and links to the presentations.

Local Law Enforcement Agencies/Record Management System Vendors

After numerous discussions with sheriff deputies and police officers from all the aforementioned agencies, it was obvious that one of the key sources of criminal justice and public safety information is the Record Management System (RMS) used by the majority of law enforcement agencies within the state. These record systems contain a wealth of information regarding each incident that occurs within that jurisdiction. These databases contain the official record of an incident; they are the source of information used for tracking crimes (trend analysis), mapping crimes, searching for specific information (color of vehicle, description of property, personnel at the scene, interviews, etc.), advanced crime analysis, etc. It is the repository of crime fighting information.

Based on our research and the assistance of the SBI, we found the following RMS Vendors in the State of North Carolina:

- HTE (OSSI Corporate)
- InterAct
- Keystone
- New World
- SunGard OSSI
- Southern Software
- Spillman
- USA
- VisonAIR

Two agencies have developed their own internal systems for records and close to 90 agencies do not possess an electronic records system.

The vendors generally provide an integrated system comprised of Computer Aided Dispatch, the Records Management System (both Police, Fire & Emergency Medical Services), Jail Management, Mobile Data Systems, etc. The RMS vendors have also built information sharing systems for their agencies and the following are currently available within the state:

- SunGard OSSI's – Police to Police;
- Southern's – Rambler; and
- VisionAIR's – Inform.

The local law enforcement agencies are identified below along with their RMS vendor and if they possess one of the information sharing systems it is denoted. Also provided in this chart is whether an agency participates in one of the two regional systems in the state – COPLINK or NCIS's LInX.

Agency/RMS Vendor/County/Information Sharing Chart

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Aberdeen PD	Southern	Moore			X		
Ahoskie PD	Southern	Hertford			X		
Alamance County SO	OSSI	Alamance				X	
Albemarle PD	OSSI	Stanly	X				
Albert J. Ellis PD		Onslow					
Alexander County SO	OSSI	Alexander				X	
Alleghany County SO	Southern	Alleghany			X		
Andrews PD	Southern	Cherokee					
Angier PD	Southern	Harnett					
Anson County SO	Southern	Anson	X				
Apex PD	New World	Wake				X	
Appalachian State University	Southern	Watauga			X		
Archdale PD	OSSI	Randolph				X	
Ashe County SO	Southern	Ashe			X		
Asheboro PD	Spillman	Randolph					
Asheville ABC Board		Buncombe					
Asheville PD	OSSI	Buncombe				X	
Asheville Regional Airport Authority	OSSI	Buncombe					
Atlantic Beach PD	Southern	Carteret			X		
Aulander PD	Southern	Bertie					
Aurora PD	Southern	Beaufort					
Avery County SO	Southern	Avery			X		
Ayden PD	VisionAIR	Pitt					
Badin PD	OSSI	Stanly					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Bailey PD	Southern	Nash					
Bakersville PD		Mitchell					
Bald Head Island PD	Southern	Brunswick					
Banner Elk PD	Southern	Avery					
Beaufort CC Campus Police		Beaufort					
Beaufort County ABC Board		Beaufort					
Beaufort County SO	Spillman	Beaufort					
Beaufort PD	Southern	Carteret			X		
Beech Mountain PD	Southern	Avery			X		
Belhaven PD	Southern	Beaufort			X		
Bald Head Island PD	Southern	Brunswick					
Belmont Abbey College		Gaston					
Belmont PD	Southern	Gaston	X		X		
Benson PD	Southern	Johnston			X		
Bertie County SO	Southern	Bertie			X		
Bethel PD	Southern	Pitt			X		
Beulaville PD	Southern	Duplin					
Biltmore Forest PD	Southern	Buncombe				X	
Biscoe PD	Southern	Montgomery					
Black Creek PD		Wilson					
Black Mountain PD	Southern	Buncombe				X	
Bladen County SO	OSSI	Bladen				X	
Bladenboro PD	OSSI	Bladen					
Blowing Rock PD	Southern	Watauga			X	X	

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Boiling Spring Lakes PD	Southern	Brunswick					
Boiling Springs PD	Southern	Cleveland					
Boone PD	Southern	Watauga			X		
Boonville PD	Southern	Yadkin					
Brevard PD	Southern	Transylvania			X		
Bridgeton PD		Craven					
Broadway PD		Lee					
Brookford PD		Catawba	X				
Broughton Hospital PD		Burke					
Brunswick CC Campus		Brunswick					
Brunswick County SO	Southern	Brunswick		X	X	X	
Bryson City PD	VisionAIR	Swain					
Buncombe County SO	OSSI	Buncombe				X	
Bunn PD		Franklin					
Burgaw PD	Southern	Pender		X			
Burke County SO	OSSI	Burke				X	
Burlington PD	OSSI	Alamance				X	
Burnsville PD	Southern	Yancey					
Butner Public Safety	Southern	Granville					
Cabarrus County SO	OSSI	Cabarrus	X			X	
Caldwell County SO	OSSI	Caldwell				X	
Camden County SO	OSSI	Camden					
Cameron PD	Southern	Moore					
Candor PD	Southern	Montgomery					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Canton PD	Southern	Haywood			X		
Cape Carteret PD	Southern	Carteret			X		
Carolina Beach PD	VisionAIR	New Hanover					
Carolina Beach State Park	Southern	New Hanover					
Carrboro PD	OSSI	Orange				X	
Carteret County ABC Board		Carteret					
Carteret County SO	Southern	Carteret		X	X		
Carthage PD	Southern	Moore			X		
Cary PD	OSSI	Wake					
Caswell Beach PD	Southern	Brunswick					
Caswell Center Hospital Police		Lenoir					
Caswell County SO	Southern	Caswell			X		
Catawba County ABC Board		Catawba					
Catawba County SO	VisionAIR	Catawba	X				X
Catawba PD	Southern	Catawba					
Chadbourn PD	Southern	Columbus					
Chapel Hill PD	OSSI	Orange				X	
Charlotte/Douglas Airport Police	In-House	Mecklenburg					
Charlotte-Mecklenburg PD	In-House	Mecklenburg	X				
Chatham County SO	Southern	Chatham			X		
Cherokee County SO	Southern	Cherokee					
Cherokee PD	Southern	Swain			X		

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Cherry O'Berry Hospital Police		Wayne		X			
Cherryville PD	Southern	Gaston	X		X		
Chimney Rock State Park	Southern	Rutherford					
China Grove PD	Southern	Rowan					
Chocowinity PD	Southern	Beaufort			X		
Chowan County SO	Southern	Chowan			X		
Chowan University Campus Police		Hertford					
Claremont PD	Southern	Catawba					
Clay County SO	Southern	Clay					
Clayton PD	OSSI	Johnston					
Cleveland County SO	OSSI	Cleveland				X	
Cleveland PD	Southern	Rowan					
Cliffs of the Neuse State Park	Southern	Wayne					
Clinton PD	VisionAIR	Sampson					
Clyde PD	Southern	Haywood					
Coats PD	Southern	Harnett			X		
Columbus County SO	Southern	Columbus			X		
Columbus PD	Southern	Polk					
Concord PD	OSSI	Cabarrus	X			X	
Conover PD	VisionAIR	Catawba	X				
Conway PD		Northampton					
Cooleemee PD	Southern	Davie					
Cornelius PD	OSSI	Mecklenburg	X			X	
Cramerton PD	Southern	Gaston	X				
Craven Cnty SO	HTE	Craven		X			

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Creedmoor PD	Southern	Granville			X		
Crowders Mountain State Park	Southern	Cleveland					
Cumberland County ABC Board		Cumberland					
Cumberland County SO	OSSI	Cumberland		X		X	
Currituck County SO	OSSI	Currituck				X	
Dallas PD		Gaston					
Dare County ABC Board		Dare					
Dare County SO	OSSI	Dare					
Davidson College Public Safety	OSSI	Mecklenburg					
Davidson County SO	OSSI	Davidson				X	
Davidson PD	In-House	Mecklenburg	X				
Davie County SO	VisionAIR	Davie				X	X
Denton PDt		Davidson					
DHHS Police – Black Mountain		Buncombe					
Dismal Swamp State Natural Area	Southern	Camden					
Dobson PD	VisionAIR	Surry					
Dorothea Dix Hospital		Wake					
Drexel PD	Southern	Burke				X	
Duck PD	Southern	Dare					
Duke University PD	OSSI	Durham				X	
Dunn PD	Southern	Harnett			X		
Duplin County SO	Southern	Duplin			X		

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Durham County ABC Board		Durham					
Durham County SO	VisionAIR	Durham		X		X	
Durham PD	OSSI	Durham		X		X	
East Bend PD		Yadkin					
East Carolina University	InterAct	Pitt					
East Spencer PD	Southern	Rowan					
Eden PD	Southern	Rockingham			X		
Edenton PD	Southern	Chowan			X		
Edgecombe County SO	VisionAIR	Edgecombe					
Elizabeth City PD	OSSI	Pasquotank					
Elizabeth City State University	Southern	Pasquotank					
Elizabethtown PD	OSSI	Bladen					
Elk Knob State Natural Area	Southern	Watauga					
Elk Park PD		Avery					
Elkin PD	VisionAIR	Surry					
Elon PD	Southern	Alamance				X	
Elon University Campus Safety and Police	OSSI	Alamance					
Emerald Isle PD	Southern	Carteret			X		
Enfield PD	Southern	Halifax					
Eno River State Park	Southern	Durham					
Erwin PD	Southern	Harnett			X		
Fair Bluff PD	Southern	Columbus					
Fairmont Department of Public Safety	Southern	Robeson			X		

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Falls Lake State Recreation Area	Southern	Wake					
Farmville PD	Southern	Pitt			X		
Fayetteville PD	OSSI	Cumberland		X		X	
Fayetteville State University	Southern	Cumberland					
Fletcher PD	Southern	Henderson			X		
Forest City PD	Shield Technology	Rutherford					
Forsyth County SO	OSSI	Forsyth				X	
Fort Fisher State Recreation Area	Southern	New Hanover					
Fort Macon State Park	Southern	Carteret					
Four Oaks PD	Southern	Johnston					
Foxfire Village PD	Southern	Moore					
Franklin County SO	Southern	Franklin			X		
Franklin PD	Southern	Macon			X		
Franklinton PD	Southern	Franklin					
Fremont PD		Wayne		X			
Fuquay-Varina PD	VisionAIR	Wake					
Gardner-Webb University		Cleveland					
Garner PD	HTE	Wake				X	
Garysburg PD	Southern	Northampton			X		
Gaston County PD	New World	Gaston	X				
Gaston County SO	New World	Gaston	X				
Gaston PD		Northampton					
Gastonia PD	New World	Gaston	X				
Gates County SO	Southern	Gates					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Gibsonville PD	OSSI	Guilford					
Glen Alpine PD		Burke					
Goldsboro PD	OSSI	Wayne		X			
Goose Creek State Park	Southern	Beaufort					
Gorges State Park	Southern	Transylvania					
Graham County SO	Southern	Graham					
Graham PD	VisionAIR	Alamance				X	
Granite Falls PD	Southern	Caldwell			X		
Granite Quarry PD	Southern	Rowan			X		
Granville County SO	Southern	Granville			X		
Greene County SO	Southern	Greene					
Greensboro ABC Board		Guilford					
Greensboro PD	OSSI	Guilford				X	
Greenville PD	HTE	Pitt		X			
Grifton PD	Southern	Pitt			X		
Grover PD		Cleveland					
Guilford County SO	Spillman	Guilford				X	
Halifax County SO	VisionAIR	Halifax					
Hamlet PD	Southern	Richmond					
Hammocks Beach State Park	Southern	Onslow					
Hanging Rock State Park	Southern	Stokes					
Harnett County SO	VisionAIR	Harnett		X			X
Havelock PD	InterAct	Craven		X			
Haw River PD	Southern	Alamance					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LInX	Southern Rambler	OSSI P2P	VisionAIR Inform
Haw River State Park	Southern	Rockingham					
Haywood County SO	Southern	Haywood			X		
Henderson County SO	VisionAIR	Henderson					X
Henderson PD	HTE	Vance					
Hendersonville PD	VisionAIR	Henderson					X
Hertford County SO	Southern	Hertford			X		
Hertford PD	Southern	Perquimans			X		
Hickory PD	OSSI	Catawba	X			X	
High Point PD	OSSI	Guilford				X	
Highlands PD	Southern	Macon					
Hillsborough PD	Southern	Orange			X		
Hobgood PD		Halifax					
Hoke County SO	VisionAIR	Hoke		X			
Holden Beach PD	Southern	Brunswick					
Holly Ridge PD	Southern	Onslow					
Holly Springs Public Safety	HTE	Wake		X			
Hope Mills PD	VisionAIR	Cumberland					
Hot Springs PD		Madison					
Hudson PD	Southern	Caldwell					
Huntersville PD	OSSI	Mecklenburg				X	
Hyde County SO	Southern	Hyde					
Indian Beach PD	Southern	Carteret					
Iredell County SO	VisionAIR	Iredell	X				
Jackson County SO	Southern	Jackson			X		
Jackson PD		Northampton					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Jacksonville PD	HTE	Onslow		X		X	
Jefferson PD	Southern	Ashe					
Jockey's Ridge State Park	Southern	Dare					
Johnson C. Smith University Campus PD	Southern	Mecklenburg					
Johnston County ABC		Johnston					
Johnston County SO	OSSI	Johnston					
Jones County SO	Southern	Jones					
Jones Lake State Park	Southern	Bladen					
Jonesville PD	Southern	Yadkin			X		
Jordan Lake State Recreation Area	Southern	Wake					
Kannapolis PD	OSSI	Cabarrus	X			X	
Kenansville PD	Southern	Duplin				X	
Kenly PD	Southern	Johnston					
Kernersville PD	OSSI	Forsyth					
Kerr Lake State Recreation Area	Southern	Vance					
Kill Devil Hills PD	VisionAIR	Dare					
King PD	Southern	Stokes			X	X	
Kings Mountain PD	OSSI	Cleveland					
Kingstown PD	Southern	Cleveland					
Kinston PD	VisionAIR	Lenoir					X
Kitty Hawk PD	OSSI	Dare					
Knightdale PD	HTE	Wake		X			
Kure Beach PD	Southern	New Hanover					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
La Grange PD	Southern	Lenoir					
Lake James State Park	Southern	McDowell					
Lake Lure PD	Southern	Rutherford					
Lake Norman State Park	Southern	Iredell					
Lake Royale Company Police	Southern	Franklin			X		
Lake Waccamaw PD	Southern	Columbus					
Lake Waccamaw State Park	Southern	Columbus					
Landis PD	Southern	Rowan					
Laurel Park PD	Southern	Henderson			X		
Laurinburg PD	VisionAIR	Scotland					
Lee County SO	Southern	Lee			X		
Lees-McRae College		Avery					
Leland PD	Southern	Brunswick			X		
Lenoir County SO	VisionAIR	Lenoir					
Lenoir PD	OSSI	Caldwell				X	
Lewiston Woodville PD		Bertie					
Lexington PD	OSSI	Davidson				X	
Liberty PD	Spillman	Randolph					
Lilesville PD		Anson					
Lillington PD	Southern	Harnett			X		
Lincoln County SO	OSSI	Lincoln	X			X	
Lincolnton PD	Southern	Lincoln	X				
Littleton PD	Southern	Halifax					
Locust PD	OSSI	Stanly	X				
Longview PD	Southern	Catawba				X	

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Louisburg PD	Southern	Franklin					
Lowell PD		Gaston					
Lumber River State Park	Southern	Robeson					
Lumberton PD	VisionAIR	Robeson					
Macon County SO	Southern	Macon					
Madison County SO	Southern	Madison				X	
Madison PD	OSSI	Rockingham				X	
Maggie Valley PD	Southern	Haywood			X		
Magnolia PD	Southern	Duplin					
Maiden PD	Southern	Catawba	X		X		
Manteo PD	Southern	Dare					
Marion PD	Southern	McDowell			X		
Mars Hill PD	Southern	Madison					
Marshall PD		Madison					
Marshville PD	Southern	Union					
Martin County SO	Southern	Martin			X		
Matthews PD	OSSI	Mecklenburg	X				
Maxton PD	Southern	Robeson					
Mayo River State Park	Southern	Rockingham					
Mayodan PD	OSSI	Rockingham				X	
Maysville PD	Southern	Jones					
McAdenville PD	Southern	Gaston	X				
McDowell County SO	Southern	McDowell			X		
Mebane PD	OSSI	Alamance				X	
Mecklenburg County ABC Board		Mecklenburg					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Mecklenburg County SO	In-House	Mecklenburg	X				
Medoc Mountain State Park	Southern	Halifax					
Merchants Millpond Park	Southern	Gates					
Meredith College Campus Police		Wake					
Methodist University PD	Southern	Cumberland					
Micro PD		Johnston					
Middlesex PD	Southern	Nash					
Mint Hill PD	Southern	Mecklenburg	X		X		
Mitchell County SO	Southern	Mitchell			X		
Mocksville PD	Southern	Davie			X		
Monroe PD	HTE	Union	X				
Montgomery County SO	Southern	Montgomery					
Montreat College Campus Police		Buncombe					
Montreat PD		Buncombe					
Moore County SO	Southern	Moore			X		
Mooresville PD	OSSI	Iredell	X			X	
Morehead City PD	VisionAIR	Carteret		X			
Morganton Public Safety	OSSI	Burke					
Morrisville PD	HTE	Wake					
Morrow Mountain State Park	Southern	Stanly					
Morven PD		Anson					
Mount Airy PD	VisionAIR	Surry					
Mount Gilead PD	Southern	Montgomery					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Mount Holly PD	Southern	Gaston	X		X		
Mount Mitchell State Park	Southern	Yancey					
Mount Olive PD	OSSI	Wayne		X			
Murfreesboro PD	Southern	Hertford			X		
Murphy PD	Southern	Cherokee					
Nags Head PD	OSSI	Dare					
Nash County ABC Board		Nash					
Nash County SO	VisionAIR	Nash					
Nashville PD	Southern	Nash					
Navassa PD		Brunswick					
New Bern PD	New World	Craven		X			
New Hanover County SO	OSSI	New Hanover		X		X	
New River State Park / Mount Jefferson State Natural Area	Southern	Ashe					
Newland PD	Southern	Avery			X		
Newport PD	Southern	Carteret			X		
Newton Grove PD	Southern	Sampson					
Newton PD	HTE	Catawba	X			X	
Norlina PD		Warren					
North Carolina A & T State University	Southern	Guilford				X	
North Carolina Alcohol Law Enforcement		Statewide					
North Carolina Arboretum Campus Police		Buncombe					
North Carolina Central University	Southern	Durham			X		

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
North Carolina Division of Marine Fisheries							
North Carolina Division of Motor Vehicles							
North Carolina Fairgrounds Police		Wake					
North Carolina Division of Forestry		Johnston					
North Carolina State Highway Patrol	Internal	Statewide		X			
North Carolina State University	USA Software	Wake				X	
North Carolina Wildlife Commission		Statewide					
North Topsail Beach PD	Southern	Onslow					
North Wilkesboro PD	Southern	Wilkes				X	
Northampton County SO	VisionAIR	Northampton					
Northwest PD		Brunswick					
Norwood PD	OSSI	Stanly	X				
Oak Island PD	Southern	Brunswick			X		
Oakboro PD	OSSI	Stanly	X				
Ocean Isle Beach PD	Southern	Brunswick			X		
Old Fort PD	Southern	McDowell					
Onslow County SO	OSSI	Onslow		X		X	
Orange County SO	OSSI	Orange				X	
Oriental PD		Pamlico					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Oxford PD	Southern	Granville			X		
Pamlico County SO	InterAct	Pamlico					
Parkton PD		Robeson					
Pasquotank County SO	OSSI	Pasquotank					
Pembroke PD	Southern	Robeson					
Pender County SO	VisionAIR	Pender		X			X
Perquimans County SO	Southern	Perquimans			X		
Person County SO	Southern	Person			X		
Pettigrew State Park	Southern	Washington					
Piedmont Triad International Airport	Southern	Guilford			X		
Pikeville PD		Wayne		X			
Pilot Mountain PD	VisionAIR	Surry					X
Pilot Mountain State Park	Southern	Stokes					
Pine Knoll Shores PD	Southern	Carteret			X		
Pine Level PD	Southern	Johnston			X		
Pinebluff PD	Southern	Moore					
Pinehurst PD	Southern	Moore					
Pinetops PD	Southern	Edgecombe					
Pineville PD	USA Software	Mecklenburg	X				
Pink Hill PD	Southern	Lenoir			X		
Pitt County ABC Board		Pitt					
Pitt County SO	OSSI	Pitt		X			
Pittsboro PD	Southern	Chatham			X		

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Plymouth PD	Southern	Washington			X		
Polk County SO	Southern	Polk					
Princeton PD	Southern	Johnston					
Princeville PD		Edgecombe					
Queens University of Charlotte Campus Police		Mecklenburg					
Raeford PD	Southern	Hoke			X		
Raleigh PD	Keystone	Wake		X		X	
Raleigh-Durham Int'l Airport	OSSI	Wake				X	
Ramseur PD	Spillman	Randolph					
Randleman PD		Randolph				X	
Randolph County SO	Spillman	Randolph					
Ranlo PD		Gaston					
Raven Rock State Park	Southern	Harnett					
Red Springs PD	Southern	Robeson					
Reidsville PD	OSSI	Rockingham				X	
Rhodhiss PD		Caldwell					
Rich Square PD	Southern	Northampton					
Richlands PD	Southern	Onslow		X	X		
Richmond County SO	Southern	Richmond					
River Bend PD	InterAct	Craven					
Roanoke Rapids PD	VisionAIR	Halifax					
Robbins PD	Southern	Moore			X		
Robersonville PD	Southern	Martin			X		
Robeson County SO	OSSI	Robeson				X	

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Rockingham County SO	HTE	Rockingham				X	
Rockingham PD	Southern	Richmond			X		
Rockwell PD	Southern	Rowan			X		
Rocky Mount PD	OSSI	Edgecombe					
Rolesville PD	Southern	Wake					
Roper PD		Washington					
Rose Hill PD	Southern	Duplin					
Rowan County SO	OSSI	Rowan				X	
Rowan-Kannapolis ABC Board		Rowan					
Rowland PD	Southern	Robeson					
Roxboro PD	Southern	Person			X		
Rutherford County SO	VisionAIR	Rutherford					X
Rutherfordton PD	Southern	Rutherford					
Saint Pauls PD	OSSI	Robeson					
Salemburg PD		Sampson					
Salisbury PD	OSSI	Rowan				X	
Saluda PD	Southern	Polk			X		
Sampson County SO	VisionAIR	Sampson					
Sanford PD	OSSI	Lee				X	
Scotland County SO	Southern	Scotland					
Scotland Neck PD	Southern	Halifax					
Seaboard PD		Northampton					
Seagrove PD		Randolph					
Selma PD	Southern	Johnston					
Seven Devils PD	Southern	Watauga					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Severn PD		Northampton					
Shalotte PD	Southern	Brunswick					
Sharpsburg PD	Southern	Nash					
Shaw University PD		Wake					
Shelby PD	OSSI	Cleveland					
Siler City PD	Southern	Chatham			X		
Singleton Lake State Park	Southern	Bladen					
Smithfield PD	OSSI	Johnston					
South Mountains State Park	Southern	Burke					
Southern Pines PD	OSSI	Moore				X	
Southern Shores PD	Southern	Dare					
Southport PD	Southern	Brunswick			X		
Sparta PD	Southern	Alleghany					
Spencer PD	Southern	Rowan					
Spindale PD	Southern	Rutherford					
Spring Hope PD	Southern	Nash					
Spring Lake PD	Southern	Cumberland					
Spruce Pine PD	Southern	Mitchell			X		
St. Augustine's College		Wake					
Stallings PD	Southern	Union	X		X		
Stanfield PD		Stanly					
Stanley PD	Southern	Gaston	X				
Stanly County SO	OSSI	Stanly	X				
Stantonsburg PD		Wilson					
Star PD	Southern	Montgomery					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
State Capitol Police	Southern	Wake					
Statesville ABC Board		Iredell					
Statesville PD	HTE	Iredell	X				
Stedman PD		Cumberland					
Stem PD		Granville					
Stokes County SO	Spillman	Stokes					
Stone Mountain State Park	Southern	Alleghany					
Stoneville PD		Rockingham					
Stovall PD		Granville					
Sugar Mountain PD	Southern	Avery			X		
Sunset Beach PD	Southern	Brunswick			X		
Surf City PD	Southern	Pender					
Surry County SO	VisionAIR	Surry					
Swain County SO	Southern	Swain					
Swansboro PD	Southern	Onslow		X			
Sylva PD	Southern	Jackson			X		
Tabor City PD	Southern	Columbus			X		
Tarboro PD	VisionAIR	Edgecombe					
Taylorsville PD	Southern	Alexander			X		
Taylortown PD	Southern	Moore					
Thomasville PD	OSSI	Davidson				X	
Topsail Beach PD	Southern	Pender					
Transylvania County SO	Southern	Transylvania			X		
Trent Woods PD	Southern	Craven			X		
Triad Municipal ABC Law Enforcement		Forsyth					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Troutman PD	Southern	Iredell	X		X		
Troy PD	Southern	Montgomery			X		
Tryon PD	Southern	Polk					
Tyrrell County SO	Southern	Tyrrell			X		
UNC Hospitals Special Police		Orange					
UNC School of the Arts	Southern	Forsyth				X	
UNC Asheville University Police	Southern	Buncombe					
UNC Chapel Hill University Police	OSSI	Orange				X	
UNC Charlotte University Police	Southern	Mecklenburg	X				
UNC Greensboro University Police	Southern	Guilford				X	
UNC Pembroke University Police	Southern	Robeson					
UNC Wilmington University Police	VisionAIR	New Hanover					
Union County SO	OSSI	Union	X			X	
Valdese PD	OSSI	Burke					
Vance County SO	Southern	Vance					
Vanceboro PD	Southern	Craven					
Vass PD	Southern	Moore					
Village of Misenheimer PD	OSSI	Stanly					
Village of Simpson PD		Pitt					
Wadesboro PD	Southern	Anson	X		X		
Wagram PD	Southern	Scotland					
Wake County ABC Board		Wake					
Wake County SO	HTE	Wake		X		X	

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Wake Forest PD	HTE	Wake				X	
Wake Forest University	OSSI	Forsyth				X	
Wake Medical Campus Police	Southern	Wake					
Wallace PD	Southern	Duplin					
Walnut Cove PD	Southern	Stokes					
Walnut Creek PD		Wayne		X			
Warren County SO	Southern	Warren					
Warrenton PD	Southern	Warren					
Warsaw PD	Southern	Duplin					
Washington County SO	InterAct	Washington					
Washington PD	Southern	Beaufort			X		
Watauga County SO	Southern	Watauga			X	X	
Waxhaw PD	Southern	Union					
Wayne County SO	OSSI	Wayne		X			
Waynesville PD	Southern	Haywood			X		
Weaverville PD	Southern	Buncombe			X		
Weldon PD	Southern	Halifax					
Wendell PD	HTE	Wake		X			
West Jefferson PD	Southern	Ashe					
Western Carolina University Police	Southern	Jackson			X		
Weymouth Woods-Sandhill Nature Preserve	Southern	Moore					
Whispering Pines PD	Southern	Moore			X		
Whitakers PD	Southern	Nash					
White Lake PD	OSSI	Bladen					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LnX	Southern Rambler	OSSI P2P	VisionAIR Inform
Whiteville PD	Southern	Columbus			X		
Wilkes County SO	OSSI	Wilkes				X	
Wilkesboro PD	Southern	Wilkes			X		
William B. Umstead State Park	Southern	Wake					
Williamston PD	Southern	Martin			X		
Wilmington International Airport PD	Southern	New Hanover					
Wilmington PD	OSSI	New Hanover		X		X	
Wilson County SO	OSSI	Wilson				X	
Wilson PD	OSSI	Wilson				X	
Wilson's Mills PD	Southern	Johnston					
Windsor PD	Southern	Bertie					
Winfall PD	Southern	Perquimans					
Wingate PD	Southern	Union					
Winston-Salem PD	OSSI	Forsyth				X	
Winston-Salem State University	Southern	Forsyth				X	
Winterville PD	Southern	Pitt			X		
Winton PD	Southern	Hertford					
Woodfin PD	Southern	Buncombe			X		
Woodland PD	Southern	Northampton			X		
Wrightsville Beach PD	Southern	New Hanover			X		
Yadkin County SO	Southern	Yadkin				X	
Yadkinville PD	Southern	Yadkin					
Yancey County SO	Southern	Yancey					
Youngsville PD	Southern	Franklin					

Agency Name	RMS Vendor	County	I2 COPLINK	NCIS LInX	Southern Rambler	OSSI P2P	VisionAIR Inform
Zebulon PD	Southern	Wake		X			
North Carolina Division of Parks & Recreation Headquarters	Southern	Wake					

The Analysis Section of this report utilizes the information contained in this chart along with the results from the RMS vendor meetings to draw some financial conclusions.

Federal Bureau of Investigation – National Data Exchange (N-DEx)

Note: The following information was derived from a power point presentation given to the CJIN Board along with information downloaded from the FBI's website regarding N-DEx. The complete power point is available at the CJIN Website.

Scattered across the country are more than 18,000 law enforcement agencies—local, state, tribal, and federal—each going about their business of gathering clues, conducting interviews, solving crimes, and generating reports and information.

The Federal Bureau of Investigation began a national information sharing initiative by creating a data repository within their Criminal Justice Information Services facility in West Virginia.

This facility currently is the home to the National Crime Information Center (NCIC), the International Automated Fingerprint Identification System (IAFIS), Law Enforcement Online, etc. The FBI's new initiative, that is in production and has some states connected, is called the National Data Exchange (N-DEx). This repository is designed to store all the local law enforcement incident data contained in every record management system throughout the United States. The system will also be storing case reports, booking and incarceration data, and parole/probation information. N-DEx detects relationships between people, vehicle/property, location, and/or crime characteristics. It “connects the dots” between data that is seemingly unrelated. It also supports multi-jurisdictional task forces – by enhancing national information sharing, identifying links between regional and state systems, and illustrating virtual regional information sharing.

Vision: The vision of N-DEx is to enable the sharing of complete, accurate, timely, and useful information across jurisdictional boundaries and to provide new investigative tools that enhance the nation's ability to fight crime and terrorism.

Mission: N-DEx provides law enforcement agencies with a powerful new investigative tool to search, link, analyze, and share criminal justice information such as incident/case reports, incarceration data, and parole/probation data on a national basis to a degree never before possible.

What is N-DEx and What Are Its Benefits: N-DEx is a criminal justice information sharing system that provides nationwide connectivity to disparate local, state, tribal, and federal systems for the exchange of information. N-DEx provides law enforcement agencies with a powerful new investigative tool to search, link, analyze, and share information (for example, incident and case reports) on a national basis to a degree never before possible. N-DEx benefits local law enforcement in their role as the first line of defense against crime and terrorism.

Through N-DEx's services and capabilities, N-DEx allows participating agencies to detect relationships between people, places, things, and crime characteristics; to link information across jurisdictions; and to "connect the dots" between apparently unrelated data without causing information overload. This capability occurs primarily in the realm of structured data but can also include unstructured data. In addition, N-DEx provides contact information and collaboration tools for law enforcement agencies that are working on cases of mutual interest.

Ownership of data shared through N-DEx remains with the law enforcement agency that provided it. N-DEx supplies controls to allow law enforcement agencies to decide what data to share, who can access it, and under what circumstances. It allows agencies to participate in accordance with applicable laws and policies governing dissemination and privacy.

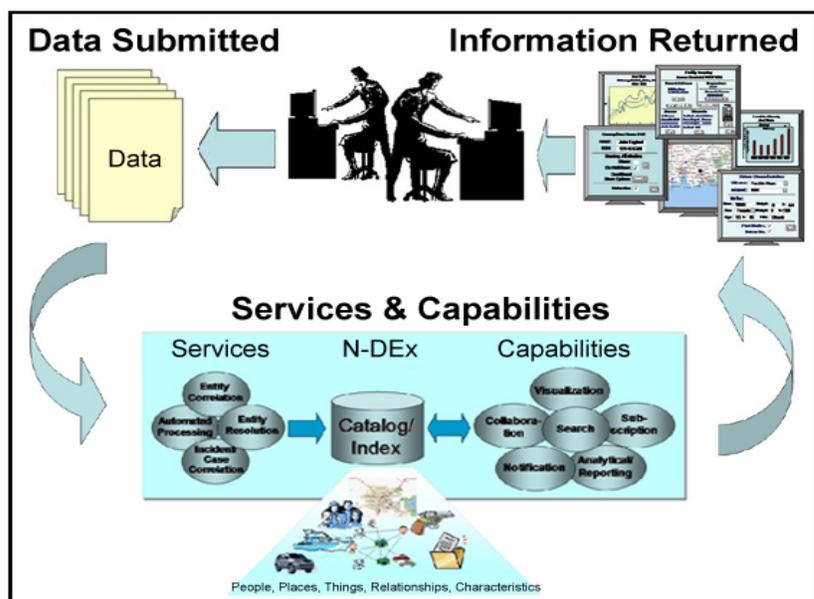
Although law enforcement is the primary focus of N-DEx, future iterations will incorporate the full criminal justice community. The ultimate goal is to transform all criminal justice data into knowledge for the entire justice community.

N-DEx offers a range of options to allow broad participation, ranging the spectrum from law enforcement agencies with automated records management systems to those with paper-based systems.

To mitigate law enforcement agencies' costs and impacts, N-DEx uses nationally-developed standards and existing systems and networks. N-DEx also helps agencies get started by providing implementation support, tools, and training.

The N-DEx concept was developed in close collaboration with the local, state, tribal, and federal law enforcement agencies critical to the success of the project. Ensuring that N-DEx meets the real-world needs of law enforcement has been identified as the key success of the factor from the very beginning and will continue to guide the program throughout implementation and operation.

This is the timeline for the N-DEx development:



Operational March 19, 2008, Increment 1 – Initial Deployment: sharing of incident/case report information, correlation (basic), visualization (basic), search, initial support 50,000, reports.

Operational July 18, 2009, Increment 2 – Second Deployment: Sharing of arrest, booking, and incarceration data, correlation (advanced), visualization (advanced), subscription/notification, analytical reporting 100,000 users, collaboration, One DOJ integration, Increment 1 operation and maintenance.

Winter 2010, Increment 3 – Full Operational Capacity: add data sets (probation/parole data), enhancements and modifications previously deployed, analytical reporting (advanced), rolled out nationally data contributors, 200,000 users, Increment 2 operations and maintenance.

Participation: There are two types of N-DEX participants; N-DEX Data Submission and N-DEX System Users.

Requirements for an N-DEX Data Submission:

- Any Law Enforcement agency can participate
- Agencies must adhere to national standards for efficient sharing of data
- National Information Exchange Model (NIEM)
- Law Enforcement Information Sharing Program (LEISP)
- Logical Entity Exchange Specification (LEXS)



Agencies will be required to:

- Sign an operational Memorandum of Understanding (MOU)
- Identify and map data to the N-DEX Information Exchange Package Documentation (IEPD);
- Obtain Network Connectivity through an existing CJIS Wide-Area Network (WAN) or connect over the Law Enforcement Online (LEO).

Naval Criminal Investigative Services – Law Enforcement Information Exchange (LInX)

Note: The following information was derived from a power point presentation given to the CJIN Board along with information downloaded from the NCIS's website regarding LInX. The complete power point is available at the CJIN Website.

NCIS launched the Law Enforcement Information Exchange (LInX) initiative in 2003. The project was designed to enhance information sharing between local, state, and federal law enforcement in areas of strategic importance to the Department of the Navy. LInX provides participating law enforcement partner agencies with secure access to regional crime and

incident data and the tools needed to process it, enabling investigators to search across jurisdictional boundaries to help solve crimes and resolve suspicious events.

LInX sites are currently operated by NCIS and its partners in nine regions throughout the U.S. There are over 760 NCIS LInX partner agencies with approximately 30,000 trained users.

The nine regions are:

- Northwest, which encompasses 217 agencies within the State of Washington, as well as parts of Oregon and agencies within the State of Alaska;
- Hampton Roads, encompassing 106 agencies in the Norfolk and Richmond areas of Virginia;
- Southeast, with 69 agencies in the northern area of the State of Florida, as well as agencies in the southeastern area of the State of Georgia;
- Gulf Coast, with 32 agencies in the southeastern coastal area of Texas;
- Hawaii, with 6 agencies;
- Rio Grande, with 39 agencies in the central area of New Mexico;
- National Capital Region, with 126 agencies in southern Maryland, northern Virginia and the District of Columbia;
- North Carolina, with 47 agencies' data in the eastern portion of the state; and
- Southern California, comprised of 34 agencies.

A Northeast region is presently in development and includes 20 agencies in the southeastern section of Connecticut.

Types of Data in LInX

- Records Management Data (Incident structured data, incident narratives and supplemental reports)
- Investigative reports
- Field interviews / Suspicious incidents
- Arrests
- Mugshots
- Computer-Aided Dispatch (CAD) data (traffic stops)
- Pawn shop records
- Jail booking records
- Traffic Crash Reports
- Traffic Summons data
- Sex Offender Registry
- Warrants

LInX provides increased efficiencies and cooperation between agencies:

- Local-state-federal sharing of law enforcement (LE) data inadequate, informal, non-automated
- In 2004 LInX was piloted in 2 locations to support NCIS mission in the protection of Naval assets and equities (Puget Sound, Washington State and Norfolk, VA)
- Collaborative approach to electronically capture the cumulative knowledge of federal, state, county and municipal law enforcement agencies

- A single regional database of law enforcement records from multiple disparate police records systems with strong local governance

Charlotte Regional Information Sharing System

The Charlotte Mecklenburg Police Department provided the CJIN Board with an overview of the Charlotte Regional Information Sharing System; the Power Point was presented by Crystal Cody and is available on the CJIN Website.

Goals:

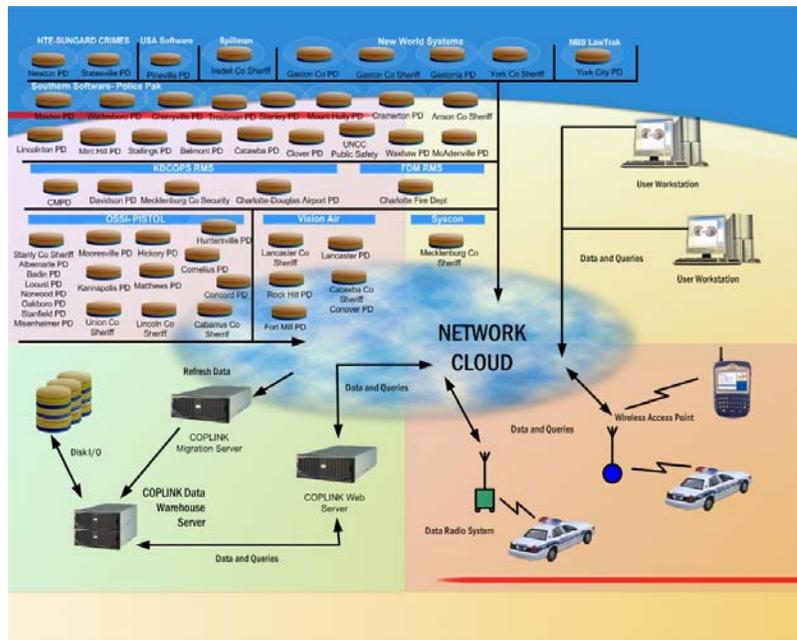
- Prevent or disrupt criminal activity in the Charlotte region
- Facilitate the timely sharing of information between agencies
- Create a common platform to share and analyze data
- Implement a data warehouse of RMS information from all law enforcement agencies in the 11 county Charlotte region
- Provide access for all participants to all the data sources
- Provide advanced analytical tools

2007 COPS Grant:

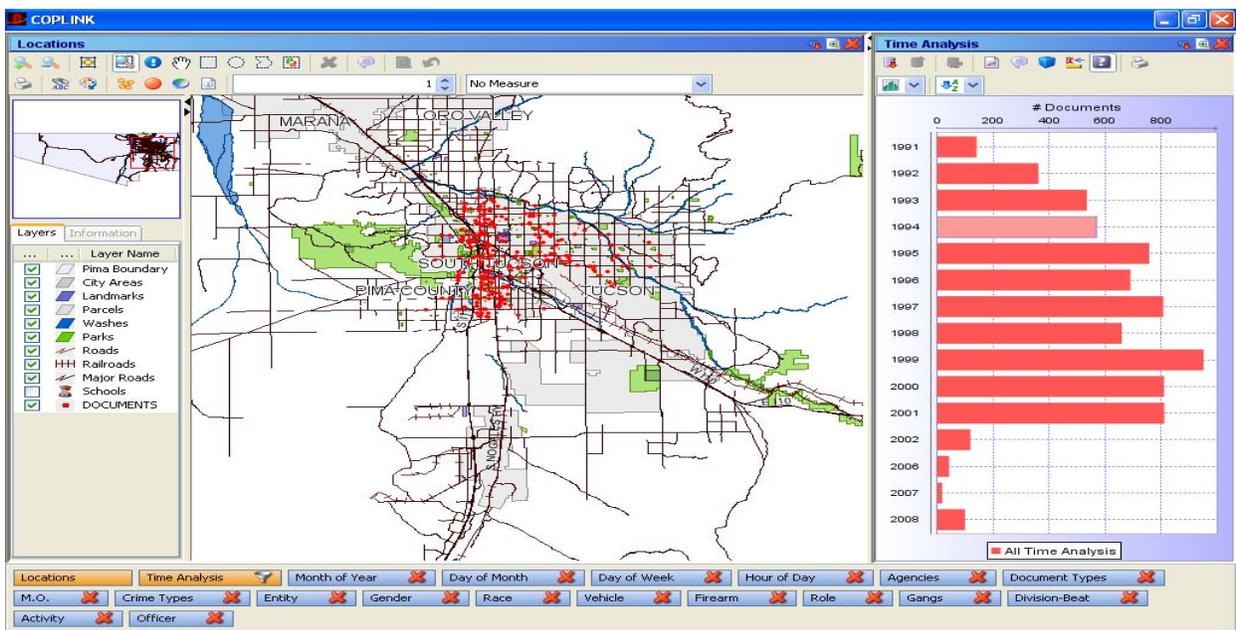
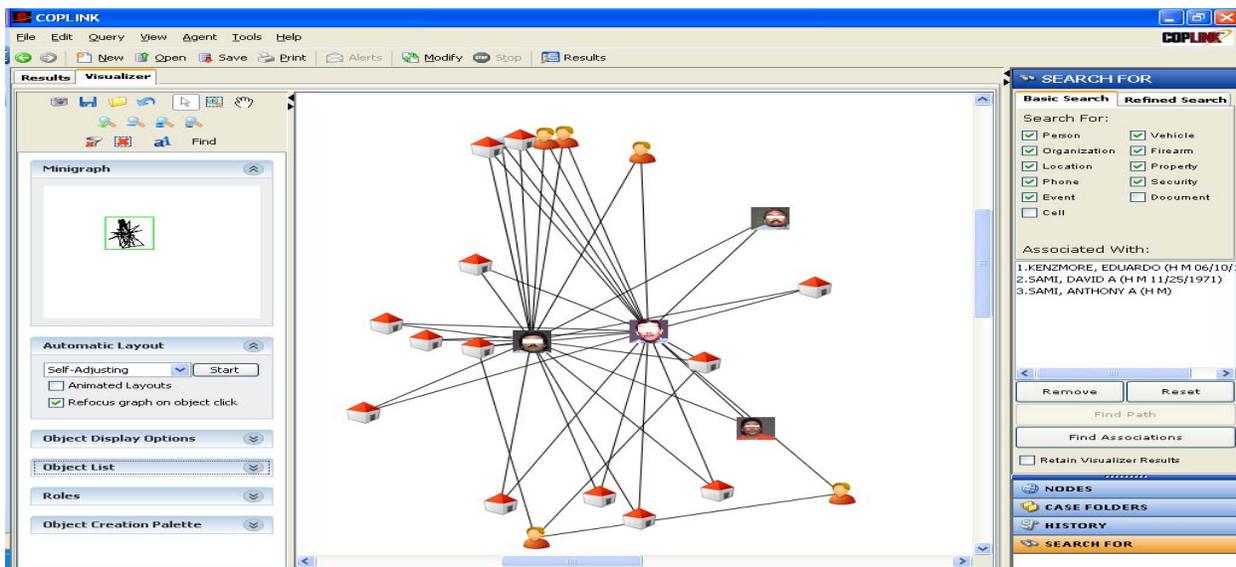
- Purpose - Enhanced data sharing
- Strategy - Capacity to link people, places, and events within and across multiple jurisdictions, criminal activities and networks, detection, response and prevention, data linkages for CRISS agencies (NC/SC), develop actionable intelligence
- Key Features - Consolidated search tool, expanded link analysis capabilities, local, regional, national data sources, regional governance, representation for all participants, cost sharing

CRISS encompasses an 11 County Region

Counties	Agencies
Anson	2
Cabarrus	3
Catawba	6
Gaston	10
Iredell	4
Lancaster	2
Lincoln	2
Mecklenburg	11
Stanley	8
Union	4
York	5
Total	57



COPLINK contains some excellent analytical tools. The following screen shots are an example of the advanced criminal justice applications that are available:



State Bureau of Investigation – CAPTURES Project

The NC Department of Justice (DOJ) has issued a Request for Proposal for creating a statewide sharing solution that will be program managed by both the DOJ and the SBI. The project has the following objectives:

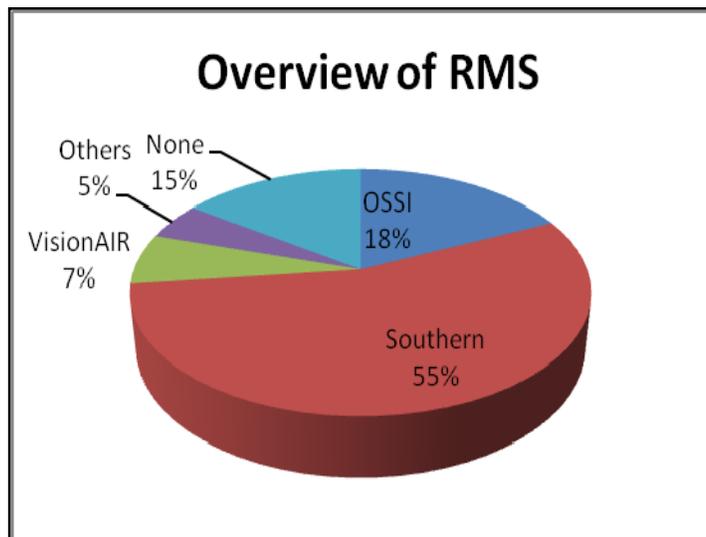
- Coordinate the development and operation of a statewide data sharing solution (CAPTURES) that contains local law enforcement incident-based crime data;
- Increase collaboration among local law enforcement agencies by providing users statewide data sharing capabilities for local crime data in a simple and useful format that is accurate, secure and timely. Increase the amount of local crime data shared between North Carolina jurisdictions;
- Ensure NIBRS (National Incident-Based Reporting System) compliant data is submitted to the FBI's Uniform Crime Reporting (UCR) Program;
- Increase the amount of local crime data shared between North Carolina jurisdictions;
- Ensure data sharing with the FBI's N-DEx program which also provides access to crime analysis tools; and
- Through education and training, increase and improve local crime reporting.

Members of the CJIN Board have held several meetings with the DOJ and SBI personnel to discuss the scope of the project and the timetable.

Analysis

After analyzing the Agency/RMS/County/Information Sharing Chart in the previous section of the report, the following information was discussed:

- The overall number of agencies that possess an electronic Records Management System was 482 – out of a total number of 569 agencies. The study was started using the information from 2008 and was updated with the assistance of the RMS Vendors, the regional system administrators, the SBI, and numerous law enforcement agencies;
- 85% of the law enforcement agencies in the state have electronic record systems;
- The population served by the law enforcement agencies with electronic record systems is in excess of 99%;
- 15% of the law enforcement agencies without electronic record systems serve less than one percent of the population;
- The top three RMS Vendors (Southern, OSSI-SunGard, and VisionAIR are all located in North Carolina and they provide record systems to over 95% of the agencies (that have record systems, not counting the in-house systems); and
- Approximately 53% of the law enforcement agencies that possess an RMS also subscribe to information sharing tools being provided by their RMS vendor or they have joined regional information sharing initiatives, and in a small number of cases they use both.



During the CJIN Board meetings and workshops with local law enforcement agencies it was determined that interfaces (sometimes referred to as adapters or replicators) being provided by third party vendors are not always sustainable. These adapters are generally being installed to send local incident data (all the data or a portion thereof) to another system for a variety of beneficial reasons. The funding for the implementation is generally grants and when the interface becomes operational it becomes incumbent upon the local law enforcement agency to maintain the software. Since record systems are dynamic; changes, upgrades, or new releases to these systems may result in a malfunction to the interface.

Specific Data Exchange Standards

In lieu of pointing to specific examples of these non-sustainable interfaces, it was more productive to search for a potential long-term solution to the issue. The 2010 CJIN Report discussed a potential solution which would require the cooperation, along with entering into a partnership, with not only the RMS vendors but also other state and federal agencies. In our case it would involve the NC Department of Justice, the State Bureau of Investigation, the Federal Bureau of Investigation, and the Naval Criminal Investigative Service.

While all the government agencies that we contacted are receptive to a standard, the next step was to reach out to the RMS vendors and invite them to participate in a workshop. To ensure that these meetings would be beneficial to both parties, a standard agenda was developed that contained the following items:

- Brief overview of the vendor's products;
- Overview of their Records Management System;
- Overview of Integration of various System Components;
- Discussion of their information sharing system (Police to Police, Rambler, Inform, etc.) and the potential expansion of this product;
- Sharing of Technical Roadmap (where possible);
- Plans (if any) to extract a file for the Federal Bureau of Investigation's National Data Exchange System (within NC) and overview of agencies in other states;
- Interim solutions and strategic goals (CJIN);
- Analytical Tools;
- Administrative Office of the Courts, NCAWARE and interfaces to the vendor that would support the agencies;
- Single Sign-On;
- Two factor authentication; and
- General discussion regarding if the vendors would be receptive to developing a standard interface to a specified repository and then maintain this interface as their core suite of products. This was critical to resolving the sustainability issue moving forward.

RMS Vendor Workshops

All the vendors that have record systems in the state were contacted along with key law enforcement agencies that use their products. It was imperative that the local agencies take a lead role in this effort. Therefore, the workshops consisted of personnel from local law enforcement agencies, state agencies, the CJIN Board, and key leaders from the vendor; these workshops are summarized below:

City of High Point – OSSI: A workshop was held with OSSI-SunGard in the City of High Point on May 13, 2010. The meeting consisted of conversations relating to all the aforementioned agenda items in addition to an update on their N-DEx pilot project in Marietta, GA.

The workshop was attended by Bob Brinson, Steve Lingerfelt, Jerry Welch, High Point PD (Linda Hodgson & Major Jim Tate), Madison PD (Chief Perry Webster), Greensboro PD, LaVonda Fowler, and Eugene Vardaman.

OSSI-SunGard had the following personnel in attendance: Alan Biddle, Mike Garner, Mike Martin, Chad Wilson, Neil Campbell, Ryan Kirby, and Eric Smith.

CJIN Board member Steve Lingerfelt facilitated the meeting.

City of Southern Pines – Southern: A workshop was held with Southern Software in Software on June 10, 2010. The meeting consisted of conversations regarding the standard agenda items in addition to an update on their N-DEx pilot project in North Little Rock, AK.

The workshop was attended by Bob Brinson, Sheriff Tommy Allen (Anson County), Chief Deputy Neil Godfrey and Sergeant David Bishop (Moore County Sheriff's Office), Janet Green and Stephanie Taborn (Administrative Office of the Courts), Adam Caviness (Chief Technology Officer – Southern Software), John Roscoe (Chief Financial Officer – Southern Software), LaVonda Fowler, and Eugene Vardaman.

Harnett County – VisionAIR: A workshop was held in the Harnett County Sheriff's Department in the City of Lillington on June 29, 2010. The meeting addressed all the items discussed in the previous meetings along with an extended presentation on VisionAIR's products and technical roadmap.

The workshop was attended by Bob Brinson, Bob Lee, Chief Tim Ledford (City of Mint Hill, President of the NC Association of Chiefs of Police), Major Gary McNeil, Dianne Raynor, Eric McKinney (Harnett County Sheriff's Department), Captain Allen Moseley, Linda Powell, Jeanette Adkins, Sergeant Gene Harrell (Edgecombe County Sheriff's Office), Detective Ron Christie, Detective Tom Mellown, Paula Gullie, Pablo Rodriguez, Rebecca Crawford, Sergeant Brendan Hartigan, Sergeant Kim Lane (Durham County Sheriff's Office), Janet Green and Stephanie Taborn (Administrative Office of the Courts), Special Agent Chris Battista and Tim Parker (State Bureau of Investigation) Trent Lowe, Jeff Beard, Denise Sheffield, Wendy Gilbert, Gary Bunyard, and Shelly Newsome (VisionAIR), LaVonda Fowler, and Eugene Vardaman.

Spillman Technologies is located in Salt Lake City, UT and they specialize in integrated CAD, RMS, Mobile Data & Field Reporting, Mapping & GIS, Crime Analysis & CompStat, JMS, Fire, Data Sharing, etc. Their contact person is Billy Duncan, Senior Account Executive, at 800-748-4610, ext. 7-1757.

InterAct Public Safety is located in Winston Salem, NC and provides public safety solutions to Public Safety Answering Points, Law, Fire, and EMS. They are currently undergoing a change to their Records Management System; therefore, we will contact them again in the first quarter of 2011.

New World Systems – AEGIS Public Safety is located in Troy, MI and provides an integrated solution to public safety. Their contact person is Al Bennett, Vice President, at 248-269-1000.

All the RMS vendors were very receptive to working with their local law enforcement agencies, state agencies and the CJIN Board to resolve many of the issues that were discussed during these workshops. The majority of RMS vendors openly discussed the various issues that occur with assisting third party vendors with interfaces both with implementation and maintenance.

Financial Impact

Developing a financial analysis regarding the impact of adopting a specific data exchange standard requires making some informed assumptions. During the process of researching data for this section, the following items and expenditures were used:

- The size of the agency (generally the number of sworn officers and/or number of users) translates into licenses either for the site in the case of large agencies or the number of concurrent users with small agencies;
- The extent of integration between different components in the system; Computer Aided Dispatch, Records Management, Jail Management, Field Based Reporting, Mobile Data, etc.
- Record Management Systems can range in value from \$50,000 to an excess of \$1,000,000 depending upon the size of the agency and whether or not they are bundled into a purchase with a suite of products;
- Each one of the components in the system also has an option to procure a maintenance agreement – these contracts generally cost between 10 to 15 percent of the purchase price, once again depending upon agency size;
- Third party vendors that provide adapters charge between \$10,000 and \$40,000, once again based on variables – example, do all the interfaces involve only one RMS vendor (the range of costs were based on a specific interface to a single repository for a specific application);

- Once an interface is installed, how long will it continue to function without any changes; modification to the interface are generally the result of changes to the Record Management System, with some exceptions;
- The complexity of the telecommunication network (with security) used by each of the agencies is also challenging, not only during the implementation of the interface but also during the life of the interface; and
- The interface standard being used by the third party vendor is not compliant with either the FBI or NCIS standard.

All of the above items contribute to the ability to perform an exact financial impact on the 482 agencies that possess a records system. Having stated that, we are positive that creating a standard would be financially beneficial and the following assumptions were made to arrive at a realistic mid-point:

- The number of participating agencies would be 362; this is 75% of the total agencies;
- The number of changes for the life of the interface would be 2; and
- The cost of each one of these changes would be \$20,000.

Alternatives	Number of Agencies	Number of Changes	Cost per Change	Savings or Cost Avoidance	Comments
Minimum	241	1	\$10,000	\$2,410,000	50% Participation
Midpoint	362	2	\$20,000	\$14,480,000	75% Participation
Maximum	482	3	\$40,000	\$57,840,000	100% Participation

Conclusion: Therefore, we are confident that a specific standard for data exchange between agencies and the federal repositories, either N-DEx or LInX, would save the local law enforcement community tens of millions of dollars over the life of the interface.

Alternatives, Benefits, & Adverse Consequences

The CJIN Board spent a lot time discussing various alternatives with local law enforcement agencies, state and federal agencies, other states, and the existing RMS Vendors. These discussions resulted in our being able to formulate the following alternatives:

- Connect the local law enforcement agencies directly to the NC Department of Justice and the State Bureau of Investigation; including the regional systems;
- Connect the local law enforcement agencies directly to the NCIS's LInX System; including the regional systems;
- Connect the local law enforcement agencies directly to the FBI's N-DEx System; including the regional systems; and
- There are a variety of combinations to the above alternatives; example, connect the local law enforcement to LInX and then allow LInX through a Memorandum of Understanding to forward the local incident data to N-DEx.

The following chart illustrates some of these alternatives with some benefits and adverse consequences:

Alternative	Benefit	Adverse Consequences
CAPTURES	NIBRS data would be obtained for the SBI's crime statistics	The DOJ/SBI is in the RFP process and does not currently have a functional and operational repository to accept local incident data with the necessary applications to search the data
LInX	It is a fully functional and operating repository that approximately 40 NC agencies are already using - system contains applications LInX is available today This alternative would also provide the SBI with the time required to develop their system Other states have taken this approach	Not sure of the involvement of Northrop Grumman (if any), this should be determined during our upcoming meeting on 10/14
N-DEx	It is a fully functional and operating repository that possesses a variety of advanced applications The FBI has resources available to help the vendors with the interface	No North Carolina agencies are currently connected to N-DEx, although thousands throughout the US are.
LInX/N-DEx	Would receive all the benefits associated with both LInX and N-DEx and would become a phased approach, NC repository would be LInX	Not sure if this is fully operational, have heard that Hampton Roads is in the process
Combinations	To Be Discussed	To Be Discussed

Summary

The local law enforcement agencies have done an excellent job in acquiring automation that has enhanced their business needs. The regional systems in the state are doing an outstanding job of sharing information. It was very obvious after all the research, workshops, phone calls, etc. that the state did lack a standard for information exchange among RMS Vendors and various repositories.

It was also obvious that this would be a tremendous savings to the law enforcement agencies and more importantly, having additional local incident data would increase their ability to fight crime.

The report reflects a lot of detailed information regarding law enforcement agencies and serves to document all the workshops, meetings, and discussions that led up to this report.

Special thanks to all the agencies and their personnel that participated in this report; including the CJIN Board members, Local Law Enforcement Agencies (Sheriff and Police), DOJ, SBI, AOC, DOC, FBI, NCIS, and the RMS Vendors both within and outside the state.

Recommendations

The CJIN Board, while making some specific recommendations regarding a specific standard, is also recommending that other areas of criminal justice be addressed for the possibility of incorporating standards:

- Adopt a specific data standard to be used for Record Management System Vendors to exchange information with a designated repository;
- Allow the local law enforcement agencies and the regional systems to begin exchanging information with a federal agency (to be determined – FBI or NCIS);
- Request that each RMS Vendor select one of their North Carolina Law Enforcement Agencies and implement an operational data standard with a federal agency (to be determined – FBI or NCIS) as a proof of concept; and
- Redirect the routing of information from the selected federal agency back to the SBI when the state repository becomes fully operational.