



TechBytes

LAW ENFORCEMENT TECHNOLOGY INFORMATION

What is TechBytes?

These technology briefs have been developed by the IACP Technology Technical Assistance Program (TTAP) with the law enforcement executive in mind. **TechBytes** provides law enforcement executives and other police agency personnel with a review of the latest studies, innovations and news of the day concerning law enforcement technology.

TechBytes is unique in the law enforcement technology field, presenting small pieces of very important technological information. Readers can obtain more information on current and emerging technologies by accessing the IACP Technology Clearinghouse at www.IACPtechnology.org.



HOT TOPICS

Follow the links below for more information on these topics.

- Fusion Centers
- GIS Technology Integration
- IT Security
- Cell Phone Forensics

Many information sharing initiatives are currently underway at the local, state, and federal level. Read about some of them in this third TTAP news bulletin that focuses on **INFORMATION SHARING**. While successful local initiatives contribute to the safety of communities, a key challenge is to integrate these efforts into a nationally coordinated program that will allow federal, state, local, and tribal partners to exchange information in a timely, accurate, relevant, and secure manner.

Ohio Local Law Enforcement Information Sharing Network



Information is power, but real power comes from information sharing. Being able to share RMS and CAD information across agencies statewide saves time and money, and increases officer and citizen safety. The state of Ohio, under the leadership of the Ohio Association of Chiefs of Police (OACP), in cooperation with local law enforcement partners, has accomplished what few states have - a state wide justice information system, the Ohio Local Law Enforcement Information Sharing Network (OLLEISN).

ABBREVIATIONS

OLLEISN	Ohio Local Law Enforcement Information Sharing Network
OHLEG	Ohio Law Enforcement Gateway
OACP	Ohio Association of Chiefs of Police
XML	Extensible Markup Language
GJXDM	Global Justice XML Data Model
NIEM	National Information Exchange Model
NISLab	National Information Sharing Laboratory
DHS	Department of Homeland Security
IJIS Institute	Integrated Justice Information System Institute
RMS/CAD	Record Management Systems/Computer Aided Dispatch

Through OLLEISN, 700 police departments, sheriff's offices, and highway patrol agencies, representing 85% of Ohio's total law enforcement population, voluntarily upload information and share it with one other on a secure system. OLLEISN upholds a "give to receive" policy, meaning that users must upload recent data on a weekly basis to access the information on the system. And with more than 25,000 inquiries made each day, OLLEISN provides an efficient electronic means of sharing and retrieving multi-jurisdictional local records such as wants and warrants, incident data, and alerts, with additional types of data being added over time to meet user needs.

OLLEISN is a no cost system available 24/7. Along with providing software, hardware, Internet access, training, and technical assistance to agencies with limited resources, it

can also help vendors become certified. OLLEISN, as well as several other state and national databases, can be accessed by authorized users through the Ohio Law Enforcement Gateway (OHLEG), located at the Ohio Attorney General's Office, or certified RMS/CAD vendors.

The use of OLLEISN has helped law enforcement agencies positively identify suspects and solve cases involving Internet sexual predators, drug charges including possession and trafficking, thefts, robberies, and assaults. It has also aided in the identification of vehicles suspected in criminal acts and resulted in the execution of search and arrest warrants. Data is also made available to the Ohio Strategic Information and Analysis Center to support DHS anti-terrorism efforts.

OLLEISN is currently in the process of migrating from the Global Justice XML Data Model (GJXDM) to the new National Information Exchange Model (NIEM), and cooperating with the IJIS Institute on changes in NIEM necessary for overall usability and adoption by OLLEISN and others. Also, the National Information Sharing Laboratory (NISLab) is scheduled to formally open by the year's end at OACP. The purpose of the NISLab will be to help in the adoption of the XML data models, GJXDM and NIEM as well as other technical and governance issues in information sharing.

For more information on OLLEISN, how it works, how it benefits the local agencies, and success stories, visit <http://olleisn.org/index.php>.

For more information on TTAP visit www.IACPtechnology.org/TTAP.htm

US DOJ Law Enforcement Sharing Information Strategy

Law Enforcement Information Sharing Program (LEISP) is the single, coordinated law enforcement data and information sharing initiative for the entire DOJ. Its goal is to enable DOJ to share law enforcement information with its federal, state, local, and tribal law enforcement partners and to facilitate multi-jurisdictional information sharing across the law enforcement and homeland security communities.

Recognizing the necessity to move from a culture of “need to know” toward a culture of “need to share,” the U.S. Department of Justice (DOJ) released its information sharing strategy at the end of 2005. The strategy addresses longstanding and new challenges to information sharing, such as lack of consistent policies and practices, interagency mistrust, categorization of otherwise shareable information into non-shareable categories, the highly fragmented and autonomous nature of law enforcement, and the increasing sophistication and complexity of terrorist and criminal organizations.

The **LEISP Implementation Plan** recognizes that success will depend on the DOJ’s ability to overcome its own barriers to share and address the needs and requirements of federal, state, local, and tribal law enforcement partners. DOJ will implement LEISP along three tracks:

- **Track I** is the DOJ’s internal reform initiative known as OneDOJ. It will allow DOJ to present a single face to its information sharing partners.
- **Track II** will first leverage existing sharing technology capabilities and then center on building out the technology platforms and services to enable seamless information sharing.
- In **Track III**, DOJ will work cooperatively with its federal, state, local, and tribal LE partners to build the interconnectivity that will allow standard, routine information sharing across all jurisdictions on a national basis.

TRACK

- Achieve information sharing in DOJ (OneDOJ)
- Enable partner access to DOJ (one-way)
- Enable multi-directional sharing (two-way)



N-DEX: Law Enforcement National Data Exchange

DOJ is also working on the construction of the **National Data Exchange (N-DEX)** that will collect and correlate criminal incident reports from federal, state, local, and tribal law enforcement agencies across the United States. N-DEX will be accessible via Law Enforcement Online (LEO) and will contain only the structured data and summary level details. The N-DEX program has drawn widespread support from state and local law enforcement, including formal endorsement by the IACP and other major law enforcement associations.

N-DEX is a central repository where law enforcement agencies can search, link, analyze and share criminal justice information on a national basis. Participating agencies will be able to detect relationships between people, places, things and crime characteristics; to link information across jurisdictions; and to connect apparently unrelated data.

N-DEX has been in pilot testing with:

- The Uniform Crime Reporting (UCR) State Repository, West Virginia State Police.
- The Cabell County, West Virginia, Sheriff’s Office.
- And police departments in Marietta, Georgia, and Alexandria, Virginia.

To participate in the N-DEX, participants must sign a Full Operational Capacity Memorandum of Understanding, and meet connectivity standards.

Raytheon Company was recently awarded the contract to develop the N-DEX system. The initial deployment is scheduled for early 2008 with an expected 50,000 users and an anticipated growth to 250,000 users by 2010. The system was built based on the law enforcement needs, having as a model foundation the local records management systems. Read more about N-DEX at www.fbi.gov/hq/cjisd/ndex/ndex_home.htm.

R-DEX: Regional Data Exchange

Important progress in implementing LEISP has been made by the rollout of regional information sharing initiatives such as R-DEX:

- Information sharing pilot program with the Northwest Law Enforcement Information Exchange (LInX) in Seattle, Washington. Federal law enforcement investigative reports, witness interviews, criminal event data, and criminal histories were made available to LInX participants to include local police agencies from Seattle and other Washington cities and counties, the Washington State Patrol, and the Naval Criminal Investigative Service (NCIS).
- Partnership with Automated Regional Justice Information Sharing (ARJIS), San Diego, California, and the Southeast LInX, which includes the NCIS and law enforcement agencies across Northeast Florida and Southeast Georgia.
- Information sharing with Jacksonville, Florida, and St. Louis, Missouri.
- Future expansion to other communities across the U.S.

R-DEX is the first OneDOJ storefront that gives state, local, and tribal law enforcement access to federal investigative and intelligence information.

Did you know?

N-DEX complements the R-DEX system and will serve communities that may not have immediate access to R-DEX. Much of the data is the same, but the use of the systems and the method of accessing the systems are different. Those jurisdictions with access to both systems can use N-DEX to find a connection or link, and then use R-DEX to dive down into details (unstructured data). For those agencies with only N-DEX, they will at least be able to connect with another officer to compare notes and connect dots. The primary benefit of the N-DEX system is the reduction in cost and time due to its connection to existing regional systems.

TTAP's Technology Desk Reference Just Became Mobile

The educational reference binder is now available in a convenient, take-anywhere CD ROM. It features critical information, sample policies, and purchasing guidelines on five current technologies:

- In Car Cameras
- Mobile Computing
- Network Infrastructure
- Records Management System
- Voice Communications System

For more information or to order your free copy visit www.iacptechnology.org/TTAP.htm.



Information Sharing Standards



Photo: Sergeant Jim Craig, Alexandria, VA Police Department

Many of these information sharing systems rely on the National Information Exchange Model (NIEM), an information exchange technical standard that leverages the work done by DOJ's Office of Justice Programs and by law enforcement and justice agencies from all levels of government in developing the Global Justice XML Data Model (GJXDM). The Department of Justice and the Department of Homeland Security used GJXDM as the basis for developing NIEM, with the goal of creating a data standard that would allow them to share information with each other and their communities of interest without having to change their separate data terminology or develop separate interfaces. The vision for NIEM is to be the standard, by choice, for intergovernmental information exchange. NIEM is working on identifying additional pilot states, implementing training and technical assistance, and developing policies and procedures relating to information exchange standards. Read all about NIEM at www.niem.gov.

Hot off the Press:

TECH DOCS: Technology Resources for Law Enforcement CD-ROM

Published by the U.S. Department of Justice, Office of Community Oriented Policing Services (COPS) this user-friendly CD-ROM is a complete resource on crime fighting technology available to law enforcement. It provides law enforcement with information on:

- IT guides and reports
- Crime mapping/crime analysis
- Interoperable communications/information sharing
- Surveillance video/in-car cameras

For more information or to order your free copy visit www.cops.usdoj.gov/ric/ResourceMain.aspx?RID=399.



How Can Police Chiefs Get Involved

Read the following articles in the April 2007 issue of the Police Chief Magazine (www.policechiefmagazine.org) to find out what chiefs can do NOW:

"OneDOJ: The Storefront for Federal Law Enforcement Information"
by Vance Hitch, Chief Information Officer,
U.S. Department of Justice, Washington, D.C.

"Interagency Information Sharing: the National Information Exchange Model (NIEM)" by Michael Haslip,
Chief of Police, Blaine, Washington, and Paul Wormeli, Chairman,
Communications and Outreach Committee, National Information Exchange Model, Ashburn, Virginia



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Resources

Justice Law Enforcement Information Strategy (LEISP)
www.usdoj.gov/jmd/ocio/onedoj_strategy.pdf.

Law Enforcement Information Sharing Policy Statement and Directives - Deputy Attorney General's Paul McNulty memorandum i.a.cnn.net/cnn/2006/images/12/26/dag.onedoj.pdf.

To learn more about other states' information sharing systems, visit the IACP Technology Clearinghouse at www.iacptechnology.org/InformationSharing.html.

Find a list of state and local, regional, and national information sharing systems at www.jrsa.org/pubs/reports/improving-crime-data/Info_Sharing_Systems.pdf.

Information Sharing Environment (ISE) Implementation Plan -emphasizes the vital role that state, local, and tribal law enforcement must play in the development and dissemination of critical intelligence
www.dni.gov/press_releases/ISE-impplan-200611.pdf.

TechBytes Issue 2 provided an overview of the ISE and the IACP's support of the initiative. President Carter's letter at www.theiacp.org/documents/pdfs/CapitolReport/Newsletter121406.pdf.

Information Sharing Capability Assessment Toolkit:

- The Interactive version: <http://catoolkit.ojp.gov>
- The paper version: www.ctg.albany.edu/publications/guides/sharing_justice_info

Regional Information Sharing Systems (RISS) offer resources, analysis of data, equipment loans, confidential funds, training, and technical assistance to member agencies. To find the regional center in your area visit their website at www.rissinfo.com.



IACP

515 North Washington St.

Alexandria, VA 22314

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This project was supported by Cooperative Agreement #2004-CK-WX-0024 by the U.S. Department of Justice Office of Community Oriented Policing Services. Points of view or opinions contained in this document are those of the author and do not necessarily represent the official position or policies of the U.S. Department of Justice.



Best Practices for Information Sharing at the IACP's 114th Annual Conference

Come to the Smaller Agency Track to learn what steps your agency can take to set up and use a successful statewide information sharing network.

What is TTAP?

The combination of critical changes in police responsibilities (homeland security, anti-terrorism, implementing a community policing strategy) and continued advances in technology requires an innovative approach to supporting the technological needs of state, county, local and tribal law enforcement.

To respond to these critical law enforcement technology needs, the International Association of Chiefs of Police (IACP), in collaboration with the Department of Justice Office of Community Oriented Policing Services (COPS), created a nationwide Technology Technical Assistance Program (TTAP) that will help local agencies make comprehensive assessments of their technology needs. TTAP's goal is to improve agencies' abilities to harness technology to protect and serve their communities and officers. TTAP will achieve this goal by providing tools for effective technology management that will help agencies identify departmental needs and effectively select, implement and evaluate technology. The objectives designed for TTAP to achieve this goal are: 1) to offer law enforcement agencies current, practical educational information on managing technology, and 2) to widely disseminate existing and newly created technology educational resources to agencies nationwide.



TTAP is a multiphase program beginning with the development of a Technology Desk Reference (TDR). This TDR covers five technologies: In-Car Cameras, Mobile Computing Technologies (MCT), Network Infrastructure, Records Management Systems (RMS) and Voice Communications. The TechBytes publication series is the second deliverable created under TTAP.

Future deliverables for TTAP include:

- **Technology Leadership Academies** – five technology leadership academies will be delivered across the country to help law enforcement more effectively plan for, acquire and manage technology.
- **Regional Technology Mentor List** – will be developed in conjunction with the Technology Leadership Academies. This list of contacts will be made available to law enforcement executives to use when they have technology related questions or issues.

For more information call 1-800-THE-IACP ext. 834, email ttap@theiacp.org or visit www.iacptechnology.org/TTAP.htm.

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