Memorandum

To: Authority Members

From: Steve Prisoc
            Associate Director, Information Systems Unit

Date: February 20, 2003

Re: Information Systems Unit Report – March 7, 2002, Authority Meeting

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This memorandum highlights work performed by the Information Systems Unit.

Illinois Integrated Justice Information Systems (IIJIS) Project

Since the last Authority meeting, the following progress has been made on the IIJIS Project:

- To gain a more in-depth understanding of criminal justice agencies' information management and information sharing practices, IIJIS project staff developed a set of surveys targeted toward police departments, sheriffs' departments, state's attorneys' offices, circuit court clerks' offices, and probation departments. Each of these survey documents was pilot tested and modified based on feedback from the pilot group. These surveys have been sent to a statewide, geographically stratified sample of agencies. Results will be provided in a summary report in April of 2003.

- The Cook County Exchange Points Workgroup completed its work in documenting justice information exchange points. IIJIS Project staff members then conducted clean-up work to refine the data-set-to-data-element relationships, and apply XML tags developed by federally-sponsored workgroups to data elements identified by the Cook County work group. Staff members also consulted with integration experts in other states to determine whether to wait until national XML tags are developed for the remaining data elements, to develop corresponding XML tags now, or to wait and see what XML tags are available for the development of proof-of-concept justice electronic information exchanges in Illinois.

- Final selection decisions have been made on consultant services for assisting in the implementation phase of the IIJIS project. The Illinois Criminal Justice Information Authority (ICJIA), on behalf of the IIJIS project, previously issued a Request for

Proposals (RFP) for professional services to assist in the planning, analysis, development and implementation of justice information systems integration projects. IIJIS project staff are seeking a vendor that can provide experienced personnel to assist in producing planning documents, analyzing existing systems, planning for new systems, and bridging crucial inter-agency justice information exchange points electronically. In response to the RFP, twelve proposals were received and scored by IIJIS project staff. The selection decisions have been submitted to Illinois Department of Central Management Services.

- IIJIS project staff met with officials from the Administrative Office of the Illinois Courts and the Clerk of the Circuit Court of Cook County to discuss possible proof-of-concept projects for justice integration. The AOIC project would entail creating an XML-based statute charge table that could be downloaded into various local justice agency systems. Partner agencies within a given jurisdiction could then work from the same complete and updated set of charges, thereby increasing their efficiency and coordination. The Court Clerk project would involve a standards-based electronic real-time exchange of data between the clerk and another partner agency such as the sheriff, the state's attorney, or a large police department.

The Authority's Web Page

The Authority Website: During the last quarter, the Authority's Website was adapted to conform to the State of Illinois' Website template. This was accomplished without compromising the excellent navigation features of the Authority's site, though the site now has a slightly different look and feel.

The IIJIS Website: The IIJIS section of the Website was also updated, improved and provided with navigation features similar to that of the Authority's main Website.

The Authority Intranet: The Authority's internal Intranet continues to expand: fresh agency news items are posted weekly and agency announcements are posted as needed. The Intranet provides a central location for electronic forms, agency news and policy documents that can be accessed from each staff person's desktop computer.

The Authority's Information Systems for Law Enforcement

ALERTS: Motorola's DataTac 2.0 technology is now operational on the ALERTS network. Staff members have been working with Illinois Department of Central Management Services and Motorola and have converted eight ALERTS agencies to this technology, which will allow future implementations of enhanced features including transmission of graphical images and in-car use of bar code readers.

ALERTS Advisory and Policy Board: During the last quarter, the officers of the ALERTS Advisory and Policy Board (ALERTS APB) met via teleconference. The Board

continues to examine ways of making the ALERTS network more responsive to the needs of its users.

Illinois Wireless Data User Group – Discussions at ALERTS APB meetings and IIJIS Board and Committee meetings led to the establishment of the Illinois Wireless Data User Group. The first meeting of this group was held on January 8, 2003, and included representatives of many of Illinois' 19 mobile data systems, Illinois Department of Central Management Services, the Chicago Police Department, the Illinois State Police and the ALERTS APB. This group was brought together to discuss ways to advance mobile data interoperability between the many public safety mobile data networks in Illinois. Authority staff members, along with members of the ALERTS Advisory Policy Board, will continue working with this group to attain this goal.

PIMSNet: In November 2002 staff members installed two new PIMSNet servers in the Authority's computer room; these servers will house the new PIMSNet system. This system will ultimately replace PIMS, the Authority's longstanding police records management system. Authority staff members participated in training on maintaining the new system in December of 2002. The projected date for the first agency to move to PIMSNet is March 30, 2003.

Staff members and consultants are now migrating existing PIMS data to the new PIMSNet system. The current PIMS Query Manager is being used to move all the existing PIMS agencies' data to the new PIMSNet servers.

The InfoNet System

Fifty domestic violence programs and 29 sexual assault programs continue to access the InfoNet from more than 120 sites throughout the state. During the past quarter, the InfoNet team continued to maintain the InfoNet for current users while modifying pages to accommodate the changing needs of new and existing users. Specific accomplishments during the past quarter include the following:

- Released coalition administrative report utility, which was developed using Microsoft's ".net" technology.
- Redesigned the InfoNet database to accommodate Illinois Child Advocacy Center (CAC) needs.
- Consolidated the InfoNet's application code; the new code performs the same functions but is substantially reduced in volume, which improves maintainability.
- Developed a method to import data from the Community Crisis Center's Sexual Assault and Domestic Violence programs.
- Provided training to the Illinois Department of Human Services' domestic violence staff members.
- Held one InfoNet User Group meeting.

Customer Service Activities in support of ALERTS, PIMS, ALECS and InfoNet

ISU Customer Service staff members performed seventeen support-related site visits to law enforcement and emergency service agencies between November 15, 2002 and February 14, 2003. A breakdown of these visits by application follows:

- **ALECS** - 3 site visits
- **ALERTS -** 5 site visits
- **PIMS** - 6 site visits
- **InfoNet** - 3 site visits

A total of 902 calls for information systems support were handled between November 15, 2002 and February 14, 2003.

Improvements to the Authority's Networking Infrastructure

On Saturday, January 25, 2003, the Internet experienced its most significant denial-of-service attack to date in the form of the "SQL Slammer" worm virus. The Authority was forced to disconnect from the Internet for a few hours during the peak of the attack, but no harm was caused to the mission-critical systems of ALECS, ALERTS, and PIMS. A complaint was received from one local law enforcement agency that the Authority transmitted the virus to that agency; however, since this agency is attached to other state and local networks, and since the virus was ubiquitous worldwide on all networks attached to the Internet, it is impossible to know if the Authority passed the virus to the agency. Staff members are researching ways of preventing similar undocumented virus attacks in the future.

The Authority's telecommunications infrastructure, which serves all internal staff as well as many local law enforcement agencies, is now being analyzed with the intention of providing a plan the will reduce the complexity of the network. This infrastructure has gradually grown over the years into a network of 228 dedicated data circuits, which is difficult and unwieldy to maintain. Once analysis is completed, the network will be overhauled to reduce complexity and increase efficiency.