Comprehensive Justice Technology Implementation
URL Integration Services Proposal
For Lake County, Illinois – FY 2008-2009

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Executive Summary

URL Integration, a Colorado-based firm, is pleased to provide a proposal to Lake County, Illinois, in response for its need for technical consulting services to support the implementation of integrated justice identified by the Lake County Integrated Justice Task Force. Specifically, this proposal will address how URL Integration plans to provide comprehensive technical support and programming to Lake County in four specific areas:

- implementation of key Jail/Court exchanges;
- implementation of key law enforcement exchanges between the Sheriff and the State's Attorney and the Court;
- schema development and technical requirements documentation for Public Defender exchanges; and
- implementation of key court exchanges with all other agencies in the criminal justice enterprise.

There are several reasons why we believe URL Integration is uniquely qualified for this engagement. URL Integration has, since its inception in 2002, been a leader in providing state and local agencies nationwide information technology (IT) planning and implementation services. URL Integration was hired as the integrated justice vendor for Lake County in 2002 after an extensive search that included an RFP. URL Integration has worked extensively with all agencies in the Lake County criminal justice enterprise and has extensive knowledge about the Lake County justice business process as well as extensive knowledge of agency technical environments and systems. On the business side, the firm facilitated integrated justice information exchange sessions for Lake County including the documenting all criminal justice exchanges. Furthermore, URL assisted in the development of requirements and the procurement of the Sheriff Jail Management and Records Management Systems (JMS and RMS) as well as the Public Defender case management system (CMS). URL's technical work with the County includes the implementation of an electronic traffic citation system for the Circuit Clerk's Office and has been actively involved in the implementation of the Prosecutor System. The firm assisted in the development of requirements and the procurement of the Lake County Integrated Justice Task Force's Middle Tier software solution, the BEA Aqualogic Service Bus (ALSB) that facilitates the information exchanges addressed with this program. URL Integration is currently implementing exchanges to allow queries of the data in the CRIMS system and to allow information be exchanged to and from the Sheriff's new RMS.

URL Integration's tenure with Lake County is what sets it apart from any other firm. URL is the only vendor that knows Lake County specific business processes, information exchanges, and events, based on their long working relationship with the County. They are the only contractor who has a thorough understanding of the Prosecutor, the Sheriff, and the Circuit Clerk's Office workflows as well the systems that support these workflows, as well as a strong understanding of which is necessary for the success of the project. In short, URL Integration is the only contractor that can come in and immediately begin doing work without an orientation/ramp-up time.

In sum, we believe URL Integration's experience and expertise would be an asset to this engagement and to the Lake County Integrated Justice effort. We have made a name for ourselves in the criminal justice arena for successfully delivering engagements very similar to that which is being requested. We welcome the opportunity to discuss our proposed approach with you at your convenience.

Approach

As part of its overall integration effort, Lake County issued an RFP in early 2006 to acquire a license(s) from a qualified vendor to provide products that would enable the integration of justice applications in an implementation-independent fashion, at a service level (leveraging the principles of service-oriented architecture) via an event-driven and XML-based messaging engine. Lake County chose the AquaLogic Service Bus (ALSB) software from BEA, and since that time has established appropriate test and production environments to support information exchange. Currently, Lake County is in the process of implementing important information exchanges using the ALSB, including traffic citation information between law enforcement and the courts.

The vision for Fiscal Year (FY) 2008-2009, as stated above, is to provide comprehensive technical support and programming to all Lake County justice agencies in four specific areas:

- implementation of key enhanced Sheriff filing (jail and law enforcement) exchanges between the Sheriff, the State's Attorney and the Court;
- implementation of key court document exchanges with other agencies in the criminal justice enterprise;
- schema development and technical requirements documentation for Public Defender exchanges.

Each project goal will be addressed in turn.

Implementation of Key Enhanced Sheriff Filing (Jail) Exchanges

The vision for FY 2008-2009 is to expand the number of law enforcement information that is available electronically, using the ALSB and important standards such as web services and the National Information Exchange Model (NIEM) as the vehicle to exchange that information. Lake County has sought federal support to implement the following exchanges between the Lake County Sheriff Jail Management System (JMS), the Clerk of Court's Court Records and Information Management System (CRIMS), and/or the Lake County State's Attorney's Case Management System (CMS):

- Remand Order
- Release Order
- Offender Release (bonded out)
- Work Release Violation

The County will conduct the following activities for the Sheriff/Court/States' Attorney project area defined above.

As large documents, the design document development and web services creation, deployment and testing for the remand and release exchanges will be extensive. Activities in this area include:

- URL Integration and Lake County have already conducted joint application design (JAD) session to facilitate feedback from Lake County practitioners on the existing requirements documents it has developed for these exchanges. It has created schemas to support these exchanges using NIEM, based on the business requirements articulated at this session.

- URL will develop web applications for the Court's CRIMS system, which will allow the Court to capture real time the vital release and remand information on defendants required by the Sheriff.

- As Lake County wishes to use web services as the means to automate these exchanges, URL will develop specific web services to support the exchanges of these documents from one system to another, under the business conditions that are appropriate.

- URL will develop the ALSB web services and interfaces for the remand and release exchanges. Lake County will lead the architecture, schema, WSDL development and the testing process.

- URL will also test and deploy these automated exchanges on the ALSB.

All XML artifacts will be compliant with NIEM and web services will be compatible with the ALSB.

A more specific project plan detailing these tasks is included as an addendum to this proposal.

Implementation of Key Enhanced Sheriff Filing (Law Enforcement) Exchanges

The vision for FY 2008-2009 in this area is to expand the number of law enforcement information that is available electronically, using the ALSB and important standards such as web services and the National Information Exchange Model (NIEM) as the vehicle to exchange that information. Specifically, Lake County has sought federal support through this application for to implement the following exchanges between the Lake County Sheriff Records Management System (RMS), the County Court's Court Records and Information Management System (CRIMS), and/or the Lake County State's Attorney's Case Management System (CMS):

- Emergency Order of Protection
- Bench Warrant
- Warrant Quash
- Officer Notice of Court Date
- Felony Review Report
- Search Warrant Request
- Search Warrant Order Return-Inventory
- Summons
- Subpoena
- Subpoena/Summons Return

The process for the schema and web services development will mirror those steps articulated above for the Jail/Court exchanges, though no web applications will need to be built for CRIMS for these exchanges. These steps are: creating schema from previous JAD sessions ; developing web services; developing the ALSB web services and interfaces; and testing and deploying these artifacts for the four exchanges described above on the ALSB.

The County will support this work through the solicitation of an implementation vendor to support these services. All XML artifacts will be compliant with NIEM.

A more specific project plan detailing these tasks is included as an addendum to this proposal.

Implementation of Key Court Document Exchanges

Similarly, the vision for the court exchanges is to implement those key court documents for which IEPDs, models, diagrams, and XML schema have been developed. The process for this aspect of the project will mirror those described above, including developing web services; developing the ALSB web services and interfaces; and testing and deploying these artifacts for the four exchanges described above on the ALSB.

All project tasks included below will be completed by June 30, 2009.

- Adult Sentencing Order
    - o Court Supervision
    - o Felony
    - o Misdemeanor
    - o Mittimus
    - o Probation
- GED Order
- Impact Incarceration Consent and Order
- Order for Restitution
- Sex Offender Motion and Order
- Blood Specimen Motion and Order
- Medical Exam-HIV Testing Motion and Order
- Order For Street Value Fine
- Order For Crime Lab Fee
- Nolle Pros Order

A more specific project plan detailing these tasks is included as an addendum to this proposal.

IEPD (Schema Development & Technical Requirements) for Public Defender

The Lake County Public Defender has recently entered into contract negotiations with a vendor to purchase a new CMS to support its caseload. The vision for FY 2008-2009 in this area is create information exchange package documents (IEPDs) for key Public Defender exchanges, enabling that office to exchange information with both CRIMS and the State's Attorney, dependent on business rules. IEPDs are a collection of artifacts that describe the structure and content of an information exchange (data, XML schema). For the Public Defender component of the project, these exchanges include:

- Petition for Revocation w/Notice
- Petition for Rule to Show Cause w/Notice
- Work Release Violation

- Subpoena
- Subpoena Return
- Sentence Order
- Offender Release
- Restitution Order
- Initial Case Information
- Notification of Modifications to Charges
- Notification of Change of Attorney Appearance
- Notification of Court Appearance
- Notification when PD Withdraws
- Generic Motion/Order
- Generic Notice
- Speedy Trial Demand
- Writ

The steps included in this process are as follows:

- Artifact Creation. The URL Integration staff assigned to this project will create draft technical requirements documents, such as a domain model, use cases, and business process model diagrams, based on their knowledge of the Lake County Public Defender business process and copies of the document themselves.
- Validation Meeting. URL staff will vet these draft artifacts with Lake County practitioners to ensure that the diagrams and models reflect the business process and the efficiencies that automation will provide the agency, so that in turn is reflected in the programming and automation itself.
- Schema Development & Mapping. Based on finalized and vetted artifacts, URL staff will map the document information to NIEM and create schema and related artifacts that will be ready to hand to developers for implementation.

As with the others, these exchanges will use the ALSB and important standards such as web services and NIEM as the vehicle to exchange that information.

A more specific project plan detailing these tasks is included as an addendum to this proposal.

Assumptions

The work outlined in this proposal will represent significant progress in Lake County's already rigorous efforts to implement criminal justice information sharing across its justice enterprise.   Many components of the projects will be conducted concurrently with augmented staff that URL Integration has brought on in anticipation of this project. URL Integration will work closely with the Lake County Project Manager to develop a detailed project plan for all four projects and highlight dependencies and resource issues so that if something changes during the course of this work, we will easily be able to anticipate how those changes will affect future work and resources.

However, all aspects of this project rely on the availability of staff and vendor resources (where applicable) for planning, implementation, and testing.   A significant and important assumption inherent

in this proposal is that URL Integration staff will have access to these staff and vendor resources during the timeframes it and the County Project Manager identify in the detailed project plan. Ultimately, URL Integration can only be accountable for the work products that it has identified above; we cannot control or be held accountable for any agency delay in implementation due to their lack of resources or readiness.

Much of our ability to structure our approach as we have is reliant on the presence of the strong Project Manager for the County. We assume that the Project Manager will assist URL in convening the meetings and coordinating County and vendor resources for testing and implementation. Significant delays in project timelines due to incompletion of critical paths URL cannot control or significant changes in the design of exchanges and applications from the original signed off specification will fall into change control procedures.

URL Integration also assumes this is an 18-month project cycle.

Costs

The following table highlights the planned costs for this 18-month effort.

Please note that the activities described in the "Enhanced Sheriff Implementation" section of this table describes the Jail/Court Exchanges and Law Enforcement Exchanges in the narrative above. In the agency "to/from" category above, the Jail/Court Exchanges correspond to the "Sheriff" while the Law Enforcement Exchanges correspond to "LEA".