ITG Request 027 –
SMC – AOC Data Exchange

Presented to the JISC for
Authorization decision

Analysis of IT Governance Request #027 – SMC AOC Data Exchange Solution

Request:
Currently, Seattle Municipal Court (SMC) sends its Criminal Cases and dispositions to the AOC, which allows other State courts the ability to retrieve SMC Case history within the appropriate AOC systems. Since SMC staff utilizes a separate case management system, Municipal Court Information System (MCIS), they must perform defendant research in both MCIS and the appropriate state systems such as Judicial Access Browser System (JABS) and Judicial Information System (JIS) in order to gather defendant criminal history.

Currently, SMC infractions are not submitted to the AOC, though SMC does send them to the Department of Licensing and the Washington State Patrol. The Court desires to work with the AOC to develop a data exchange, which would expand the current SMC/AOC data exchange to include infractions and develop a new data exchange with the AOC that would allow for the retrieval of SMC defendant criminal history.

Additional information was provided by Sam Kurle of SMC. Meeting the needs of the CLJ's to see SMC's active data that maps to JIS data could be accomplished by SMC working with AOC staff to do a mapping exercise to identify the data.

In order to meet the needs of the SMC, AOC will investigate providing an interface with JAB's for SMC to use (they have offered to assist AOC if needed with the JAVA). SMC needs to investigate using their application to interface with the new JABS web service.

Summary of Analysis:
SMC needs to have seamless interaction to the application within MCIS, i.e. no logon is needed to access JABS; it is done through the MCIS application. This would have to be approved by the AOC Security Architect, or a security solution would have to be developed. Once logged on to SMC application query information will be passed to the JABS application and returned to the MCIS graphical user interface (GUI). The other CLJ's want to see everything about an SMC case that they currently see on a JIS case; currently SMC only sends domestic violence and closed cases to JIS. They want to see open cases from SMC. AOC currently receives a nightly load of closed cases from SMC with limited data. AOC can enhance the existing nightly SMC process to meet the expanded data needs of the other CLJ courts. This is not really a data exchange in a true sense. They are two separate one way information requests. One is for court staff submitting a query for information from AOC in real time. The other is doing a nightly batch load of SMC data to AOC. AOC would not be sending any data to another system; instead AOC would be enhancing the AOC database with SMC data that is being viewed through the use of existing AOC court applications.

Sizing:
The following estimate is based upon the best available information and does not include cost or effort estimates for on-going maintenance of the enhancement. This analysis was approved by the Administrative Office of the Court's (AOC) Operations Control Board on March 31st, 2011.

This enhancement would be accomplished by AOC's internal resources. The systems affected by the change would be: JIS and JABS. If this request is recommended by the court level user group, this request will proceed to the Judicial Information Systems Committee for authorization.

AOC estimates that this project would take 6 – 12 months to complete, depending on the final solution design. This is an estimate of the duration of the project from the date work would begin on the project until final implementation.

Group	**Hours**	**Tasks**
Court Education	60	Possible documentation and training changes
Business Analysis	20	Confirmation of business needs
Architecture	50	Produce solution design and oversight
Maintenance (COBOL, Natural, Java)	800	Develop solution*
Data Warehouse	40	Analysis of SMC and AOC data compatibility
Quality Assurance	320	Testing *
Project Management	137	Manage project *
Total	**1427 hours (+/- 40%)**	
*** Development time is dependent on reusability of existing code. Estimate assumes little reusability of code.**		

ISD staff costs average $76 per hour. Contractor staff generally costs $120 - $150 per hour.

Business Impacts:
The benefit to SMC would be a reduction in defendant research times by not being required to examine data in two separate systems. The benefit to the non-SMC courts would be the availability of more detailed SMC data.

Proposed Solution:
In order to meet SMC needs, AOC will develop and implement a secure pass through of login and data request from the MCIS view only GUI to the JABS application.

In order to meet the CLJ needs, AOC will enhance the existing nightly SMC process to meet the expanded data needs of the other CLJ courts. An analysis of the data is required and a joint data mapping effort between SMC and AOC analysts to determine the compatibility and quantity of the data involved. A new process will be developed and implemented to load data into the production database tables instead of the existing archive tables. The existing programs/processes that currently do a nightly load to archive tables will now load production tables instead. AOC will reuse as much of the current process/code as possible to shorten the development of the new process once the SMC data has been mapped to AOC production tables.

Assumptions:
1. We can repurpose existing programs to shorten development.

Risks:
1. Availability of AOC and SMC IT staff could significantly impact the duration of this project.

THE MUNICIPAL COURT OF SEATTLE

Fred Bonner
Presiding Judge

April 6, 2011

The Honorable Stephen Brown, President
District and Municipal Court Judges' Association
Grays Harbor County District Court
102 W. Broadway Avenue, Room 202A
Montesano, WA 98563-3621

Dear Judge Brown,

I understand that the DMCJA will consider Seattle Municipal Court's technology request to establish a two-way data exchange between our MCIS database and the JIS system (AOC – IT request #27)

For sometime now, courts have lacked the ability to access defendant information contained in our MCIS case management system. Even though we have created our Court Public Information portal, this access point is not seamlessly integrated with the DISCIS application, and requires non-SMC judges to open multiple windows to secure information. Once the requested AOC data exchange is created, courts will have access to MCIS criminal, civil, and infraction data.

As presiding judge, I strongly encourage the DMCJA to support this initiative as a high priority.

Sincerely,

Fred Bonner
Presiding Judge

c: SMC Judges
Yolande E. Williams, Court Administrator
Sam Kurle, Director, Court Technology

SMC AOC Data Exchange

Request Detail

Requestor Name:
Kurle, Sam

Origination Date:
08/31/2010

Requestor Email:
sam.kurle@seattle.gov

Requestor Phone:
206-615-1034

Recommended Endorser:
District and Municipal Court Judges' Association

Request Status: Awaiting Authorization

Request Type: Change or Enhancement

Which Systems are affected?
Judicial Information System (JIS)
Superior Court Management Information System (SCOMIS)
Data Warehouse
Judicial Access Browser System (JABS)
Case and Criminal History (CACH)
Other

Business Area: Records Management

Communities Impacted:
Appellate Court Judges
Appellate Court Clerks
Superior Court Judges
County Clerks
Superior Court Administrators
CLJ Judges
CLJ Managers
State Agencies

Impact if not Resolved: Medium

What is the Business Problem or Opportunity

Currently, the Seattle Municipal Court (SMC) send its Criminal Cases and dispositions to the AOC, which allows other State courts the ability to retrieve SMC Case history within the appropriate AOC systems. Since SMC staff utilize a seperate case management system (MCIS), they must perfrom defendant research in both MCIS and the appropriate state systems (JABS, DISCIS) in order to gather defendent criminal history.

Currently, SMC infractions are not submitted to the AOC, though we do send them to DOL & WSP.

The Court desires to work with the AOC to develop a two-way data exchange, which would expand the current SMC/AOC data exchange to include infractions and develop a new data exchange with the AOC that would allow for the retrieval of SMC defendent criminal history into the SMC case management system.

Expected Benefit:

The benefit to SMC would be a reduction in defendant research times by not being required to us two seperate systems.

The benefit to the non-SMC courts would be a reduction in defendant research times by not being required to use two seperate systems.

Endorsement Detail

Endorsing Committee
District and Municipal Court Judges' Association

Endorser Name:
Buzzard, R W

Origination Date:
11/03/2010

Endorser Email:
rw.buzzard@lewiscountywa.gov

Endorser Phone:
360-740-1281

Endorsing Action: Endorsed

Endorser's Explanation and Comments
DMCJA spoke with requestor and a full two way exchange of smc data and aoc data to be explored.

AOC Analysis Detail

Analysis Date: 03/31/2011

Request Rationale

Aligns with JIS Business Priorities, IT Strategies & Plans: Yes

Aligns with applicable policies and with ISD Standards: Yes

Breadth of Solution Benefit: Wide

Cost Estimates

Key Business Objectives:

Currently, SMC infractions are not submitted to the AOC, though SMC does send them to the Department of Licensing and the Washington State Patrol. The Court desires to work with the AOC to develop a data exchange, which would expand the current SMC/AOC data exchange to include infractions and develop a new data exchange with the AOC that would allow for the retrieval of SMC defendant criminal history.

SMC AOC Data Exchange

Cost to Implement?	1427 hours
Projected Maintenance cost?	Unknown
Feasibility Study needed?	No

Court Level User Group

Courts of Limited Jurisdiction

Benefits and Business Value:

The benefit to SMC would be a reduction in defendant research times by not being required to examine data in two separate systems. The benefit to the non-SMC courts would be the availability of more detailed SMC data.

AOC Analysis - Proposed Solution

In order to meet SMC needs, AOC will develop and implement a secure pass through of login and data request from the MCIS view only GUI to the JABS application.

In order to meet the CLJ needs, AOC will enhance the existing nightly SMC process to meet the expanded data needs of the other CLJ courts. An analysis of the data is required and a joint data mapping effort between SMC and AOC analysts to determine the compatibility and quantity of the data involved. A new process will be developed and implemented to load data into the production database tables instead of the existing archive tables. The existing programs/processes that currently do a nightly load to archive tables will now load production tables instead. AOC will reuse as much of the current process/code as possible to shorten the development of the new process once the SMC data has been mapped to AOC production tables.

AOC Analysis - Proposed Approach

See attached analysis.

AOC Analysis Attachments

Analysis of ITG Request 027 - SMC Data Exchange.pdf
Support Letter from Seattle Muni Pres Judge.pdf

Confirmation of Endorsing Action Detail

Endorsing Committee

District and Municipal Court Judges' Association

Endorser Name:

Marin, Vicky, on behalf of the District and Municipal Court Judges' Association

Origination Date:

04/08/2011

Endorser Email:

vicky.marin@courts.wa.gov

Endorser Phone:

360-704-4068

Endorsing Action: Endorsed

Endorser's Explanation and Comments

The DMCJA requests that the data exchange include as much information from Seattle Municipal Court as practicable.

Court Level User Group Decision Detail

SMC AOC Data Exchange

CLUG	Courts of Limited Jurisdiction
Chair of Group	Cynthia Marr
Date of Decision	04/14/2011
Decision	
Approving Authority	JISC
Decision to Recommend for Approval	Unamimously recommended to the approving authority
Request Importance	High
Request Priority	1

Scoring Detail		Score / Possible
Business Value		9.4 / 10
Relative Priority		9.1 / 10
Cost		3.3 / 5
Complexity/Level of Effort		5 / 10
Risk		3.9 / 5
Benefit / Impact		4.6 / 5
Impact of Doing Nothing		3.7 / 5
	Total Score	39 / 50