Analysis of IT Governance Request #081
Implement Static Risk Tool, STRONG 2

Summary of Request:
Based on the outcome of ITG request #012 on Adult Risk Assessment, the Superior Court Judges' Association (SCJA) formally requests that the Administrative Office of the Courts (AOC) implement a static risk assessment tool. One validated static risk assessment tool will be used by trial courts as approved by the Washington State Institute for Public Policy (WSIPP). The SCJA requests implementation of the Static Risk and Offender Needs Guide, Version 2 (STRONG 2), the static risk assessment tool endorsed by WSIPP.

Summary of Proposed Solution:
The AOC proposes to custom build an application based on the STRONG 2 tool. This application will automatically populate an offender's Washington criminal history from JIS. Any out-of-state criminal convictions would be manually populated. The results of the assessments would be available to judicial officers through the Judicial Access Browser System (JABS).

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 AOC's Operations Control Board on April 28th, 2011.

This enhancement would be accomplished by AOC's internal resources, with assistance from contracted resources where needed. If this request is recommended by the court level user group, this request will proceed to the Judicial Information Systems Committee (JISC) for authorization.

AOC estimates that this project would take 6 - 8 months to complete. 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	360	Update documentation and training materials.
Legal Services	100	Law table development
Business Analysis	40	Requirements development and documentation.
Architecture	32	
Maintenance (Java and uniPaaS)	400	Tech analysis/design, coding, documentation, and unit testing.
Database Administrator (DB2)	200	Database modifications.
Data Warehouse	0	
Quality Control	140	Testing and validation.
Project Management	350	Oversight and coordination.
Total	**1,622 hours**	
Total AOC Staff Costs = $111,312		

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

Proposed Solution:
AOC would custom build a Risk Assessment application based on STRONG Version 2. The data entry/maintenance portion of the application would be developed in uniPaaS and based on the current JCS system architecture. Results of the assessments would be accessible to

judicial officers through JABS. Local staff would select an offender and the risk assessment application would query JIS and populate the offender's criminal history. AOC would construct or modify a law table to relate Washington laws to specific factors considered by STRONG 2. Local staff would then update the system with out-of-state convictions, relating each such conviction to a specific RCW. Out-of-state conviction data will be stored for future risk assessment purposes, but will not be included in other criminal history reporting. The risk assessment application would then calculate an offender Risk Assessment based on the criminal history. Every time an assessment is conducted, the results would be stored by the application.

A court level workgroup will also need to be established to develop and validate the business rules needed to categorize offender data according to the requirements of the assessment tool. The hours for court staff on this workgroup are not included in this estimate as the size and composition of the group would be determined at project initiation.

Assumptions:

1. Out-of-state criminal history must be manually entered into the risk assessment tool.
2. Appropriate DB2 tables can be designed to store the following:
   - Out-of-state convictions collected as part of the risk assessment process.
   - Risk factors and scoring matrix.
   - Results from previous assessments.
3. The Offender Needs Guide portion of STRONG is not included in the implementation.
4. An on-demand, video-based approach will be used for training.
5. A law table, either modified or new, will be developed to classify offenses into STRONG related categories and severity for all JIS laws.
6. No infrastructure costs are necessary.

Risks:

None