



PROJECT STATUS REPORT

PROJECT SUMMARY

REPORT DATE	PROJECT NAME	PROJECT WEB PAGE
March 31, 2017	Judicial Data Management Services	www.flcourts.org/jdms

The Judicial Data Management Services (JDMS) Project will develop a computing environment to provide state-level data management services to all elements of the court system. Those services include:

- Data Consolidation and Standardization Services
- Reporting Services
- Processing Services
- Data Warehouse and Analytical Services

Specifically, the JDMS system will benefit judges, court managers and all users of the court system by providing meaningful data and analysis to: 1) improve adjudicatory outcomes through case management and program evaluation; 2) increase operational efficiency through efficient use of shared resources; and 3) support organizational priorities through legislative resource and budgetary requests. JDMS will additionally enhance the ability of the state courts system to provide court-related data to assist policymakers in evaluating policy and budget options.

This multi-year project is governed by a two-year project plan, which identifies three goals for the two-year cycle. The FY2015-2017 Project Plan is located on the project web page. The goals for this development cycle of the JDMS project are:

1. Establish a solid data management foundation capable of supporting court activity data management at the state level through the addition of new staff and support elements and the enhancement of existing infrastructure;
2. Expand case inventory and case aging statistics from the foreclosure case type to all case types; and
3. Identify projects and plans for the FY2017-2018 development cycle.

STATUS REPORT SCOPE

This document reports the project elements completed during the current release and outlines the project areas identified for work in the next quarter. For the second year of the two-year project cycle, the project owner determined that identifying major areas in which the team will focus their work on was more suitable than committing to very specific features as priorities within specific project areas shift frequently.

DETAILS OF CURRENT RELEASE

During the seventh release cycle of the JDMS Project (January 1, 2017 through March 31, 2017), the project team accomplished many tasks and features to advance the project.

Completed the research data mart for Court Interpreting data for use in budget and resource allocation

The research data mart for Court Interpreting developed last quarter was deployed into production this quarter. The revised data mart includes the newly-collected Court Interpreting event durations as per AOSC11-45 *Corrected In Re:*

Court Interpreting Services in Florida's Trial Courts and follows changes to the Court Interpreting subsystem of Uniform Data Reporting (UDR). Data from the Court Interpreting data mart is now being used for budget and resource allocation.

Developed a research data mart for the redesigned Court Experts data for use in budget and resource allocation

Later this quarter, the JDMS team developed a research data mart for the redesigned Court Experts subsystem of the UDR. This completes the 2016 Court Experts modifications jointly requested by the Commission on Trial Court Performance and Accountability and the Trial Court Budget Commission. The data is available beginning with July 2016. This modernization of the UDR system supports Goal #1 of JDMS project plan.

Continued group and individual training on JDMS development platforms

The JDMS team continued group and individual training on new platforms on which future development will take place. Staff continued learning the Python programming language, the GIT version control system, various UNIX utilities, Microsoft's PowerShell task automation framework, and concepts in data warehouse and design.

Assisted OSCA's legislative team with the FY2017-2018 Legislative Budget Request

The OSCA has advanced a \$418,701 legislative budget request for hardware procurement and software development in support of the next JDMS project cycle, and in particular, to support statewide collection of data under the Uniform Case Reporting Project. Preparing for the next development cycle directly supports Goal #3 of the project plan. As the 2017 Legislative Session is underway, this feature carries over to the next quarter.

Worked with volunteer counties to complete the pilot phase of the Uniform Case Reporting (UCR) project

The JDMS team continued working with the volunteer counties to complete the pilot phase of the UCR Project. Of the three parts the pilot was divided into, both pilot counties have completed parts 1 and 2, which includes the ability to extract the required data from their local systems and format it according to the UCR Data Collection Specification. The JDMS team has participated in bi-monthly meetings with the pilot counties and has evaluated the structure and content of test files submitted. All work associated with the UCR pilot supports Goal #2 of the project plan.

Worked with OSCA's Office of Information Technology unit on the development of the web services component of the UCR infrastructure

The OSCA web services application is being developed by a staff augmentation contractor. The contract work is being managed by OSCA's Office of Information Technology unit. The JDMS team is currently working with Office of information Technology and the contractor to ensure accurate results and required outputs from the web services are achieved in support of UCR.

Evaluated the CMS replication implementation option to determine whether it can fulfill the requirements of AOSC16-15 In Re: Uniform Case Reporting Requirements

The eighth circuit provided access to their replica of Bradford's case maintenance system for this assessment. During the quarter, the JDMS team explored the replica to determine if extracting case event data from a replicated database is a viable option to fulfill the requirements of UCR reporting. The team also evaluated and strategized how the case event data may best be extracted to fulfill the requirements of the administrative order. This feature further supports Goal #2.

Refined UCR reporting specifications in preparation for commencement of statewide reporting

The JDMS team revised the UCR data collection specification to incorporate all information that was learned and gathered during the UCR pilot. The current version of the UCR specification also streamlines some of the data element names and requirements from the earlier version accompanying the project proposal.

Secured a contract for staff augmentation for additional UCR Project development

The JDMS team secured a contract for two contractors to assist with UCR Project development. The two contractors are expected to begin next quarter and will be (1) developing a mechanism to process UCR event records into the

court's Trial Court Data Model database structure as per the JDMS framework; and (2) developing a mechanism to read, parse and transform submitted UCR data and stage for incorporation into the Court Services data warehouse.

Prepared for consultants and provided contractor support

The JDMS team set up workstations and made necessary revisions to the project documentation in preparation of each contractor's begin date. Continual support will be provided to the contractors in the form of requirements clarification, project management, code reviews, and workflow evaluation.

DEVIATIONS FROM PLANNED OBJECTIVES

The following areas of JDMS Framework Development were not completed during this quarter:

- Developing enhanced automation for data tracking and retention
- Establishing an interim reporting services mechanism for pilot counties

OBJECTIVES PLANNED FOR NEXT QUARTER

For the release cycle ending June 30, 2017, the following project areas are identified for work:

- JDMS Framework Development
 - Identifying projects appropriate for FY2017-2018 JDMS development cycle
 - Assisting OSCA's legislative team with FY2017-2018 Legislative Budget Request
 - Developing a project plan for the FY2017-2018 JDMS development cycle
- Uniform Case Reporting (UCR) Project
 - Providing counties with additional support to complete the transition to stable UCR reporting
 - Continuing to work with OSCA's Office of Information Technology unit on the development of the web services component of the UCR infrastructure
 - Updating the UCR data model to incorporate changes made to the UCR data collection specification during the pilot phase
 - Defining additional business rules to parse UCR records into the trial court data model in response to the UCR data collection specification changes
 - Developing a mechanism to process UCR event records into the court's Trial Court Data Model database structure as per the JDMS framework
 - Developing a mechanism to read, parse and transform case event transaction data submitted as per the UCR Project Specification and stage for incorporation into the Court Services data warehouse
 - Providing support services to staff augmentation contractors

OVERVIEW OF FY2015-2017 PROGRESS

At this time, the project is on track to meet its goals by the June 30, 2017 deadline.