PROJECT STATUS REPORT

PROJECT SUMMARY

REPORT DATE	PROJECT NAME	PROJECT WEB PAGE
December 31, 2016	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 sixth release cycle of the JDMS Project (October 1, 2016 through December 31, 2016), the project team accomplished many tasks and features to advance the project.

Deployed 2016 Court Experts modifications to the Uniform Data Reporting (UDR) system

Contractors had previously modernized the extraction, translation, and loading process for the Court Experts subsystem of the UDR. Since updates would be needed once the 2016 Court Experts modifications requested by the Trial Court Budget Commission were complete, deployment of the subsystem was delayed. On October 31 2016, the redesigned Court Experts data entry form was deployed for use by the circuits. Work then began on updating this subsystem of the UDR to receive and process the newly-collected categories of Court Experts data. The data is available beginning with July 2016. This modernization supports Goal #1.

Defined a new documentation structure for JDMS development

The data dictionary format that will be used throughout the JDMS development cycle was defined this quarter. A Markdown template was created to ensure consistency and incorporated into the development workflow.

Migrated the JDMS file server to the OSCA server farm

In support of Goal #1, all files were migrated to the new virtual server, which is part of the OSCA server farm. Subsequently, the legacy file server was decommissioned.

Worked with the Court Statistics and Workload Committee and Florida Courts Technology Commission to implement standards and protocols for data exchange to enhance quality of case activity data and ease of sharing data

Use case workflow diagrams and supporting documentation to accompany the language of proposed changes to the Court Applications Processing Systems (CAPS) standards were developed this quarter. The proposed enhancements aim to increase interoperability between the CAPS viewers and JDMS system as per the Integrated Trial Court Adjudication System (ITCAS) framework. The proposed changes were presented to the Florida Courts Technology Commission's CAPS Certification subcommittee and formally requested in a letter from the Court Statistics and Workload Committee. This feature supports Goal #3.

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 and Microsoft's PowerShell task automation framework.

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. This feature will carry-over to the next quarter in preparation for the 2017 Legislative Session.

Worked with volunteer counties to prepare them for prototype Uniform Case Reporting (UCR) data submission and testing

The JDMS team continued working with the first volunteer county, and began work with the second volunteer county this quarter. Of the three parts the pilot was divided into, both pilot counties have completed part 1 and have begun part 2, which involves the generation of test data for OSCA validation. The JDMS team has participated in bi-monthly meetings with the pilot counties and has evaluated the structure and content of the test files received. All work associated with the UCR pilot supports Goal #2 of the project plan.

Secured a volunteer circuit to assist in the evaluation of Case Management System (CMS) replication as a Uniform Case Reporting Project implementation option

A secondary implementation option that may be available to counties in fulfilling the requirements of AOSC16-15 In Re: Uniform Case Reporting Requirements is being considered. This option requires OSCA access to a replicated CMS for complete evaluation. The eighth circuit agreed to provide access to one of their counties' CMS replicas for this assessment. During the next quarter, exploration of the CMS replica will continue in attempts to determine if extracting case event data from a replicated database is a viable option to fulfill the requirements of UCR reporting.

Continued outreach and support to clerks of court in preparation for statewide reporting under AOSC16-15 <u>*In Re: Uniform Case Reporting Requirements*</u>

This quarter, all clerks of court were provided the opportunity to participate in the pilot phase of the UCR project before it officially ended on December 31, 2016. Clarification and support was provided as needed. The two pilot counties actively working with the OSCA have been granted until March 31, 2017 to complete their testing and establish stable transmission of UCR data per the data collection specification.

Designed the web services component of the UCR Project in accordance with the FCTC Data Exchange Standards

The UCR Project will be the first in the court system to use a data exchange governed by the FCTC Data Exchange Standards document. The JDMS team worked with the OSCA's Office of Information Technology to plan and design the web service that will exchange case activity event data in fulfillment of AOSC16-15 <u>In Re: Uniform Case Reporting Requirements</u>. Development on the service is planned for the next quarter.

Prepared a statement of work in advance of securing a staff augmentation contract for JDMS development

The original plan for the remaining JDMS allocation will no longer be carried out in its entirety. Instead, several other features have been identified and evaluated for their feasibility in advancing the UCR project and achieving the goals of the FY2015-2017 JDMS Project Plan. Staff met with a consulting company to determine the availability of resources and cost estimates of each feature.

DEVIATIONS FROM PLANNED OBJECTIVES

The new research data mart for the new Court Interpreting data was worked on this quarter, but will not be completed until January 2017.

No additional work was completed this quarter on the evaluation of the visual display of data options.

Due to extensive work that was taken on to evaluate the design options for the web services component of the UCR project, no additional work on the identification of JDMS projects appropriate for FY2017-2018 development cycle was completed this quarter.

Refinements to the UCR Data Collection Specifications have continually been made throughout the work with the pilot counties. Since the pilot has been extended to March 31, 2017 for our volunteer counties, the final specification and XML schema document will be issued at that time.

OBJECTIVES PLANNED FOR NEXT QUARTER

For the release cycle ending March 31, 2017, the following project areas are identified for work:

- Uniform Data Reporting
    - Complete the research data mart for Court Interpreting data for use in budget and resource allocation
    - Complete the 2016 UDR modifications by developing a research data mart for Court Experts data
- JDMS Framework Development
    - Developing enhanced automation for data tracking and retention
    - Continuing group and individual training on JDMS development platforms
    - Identifying projects appropriate for FY2017-2018 JDMS development cycle
    - Assisting OSCA's legislative team with FY2017-2018 Legislative Budget Request
- Uniform Case Reporting (UCR) Project
    - Working with volunteer counties to wrap up the pilot phase of the UCR project
    - Working with OSCA's Office of Information Technology unit on the development of the web services component of the UCR infrastructure

- o Establishing an interim reporting services mechanism for pilot counties
- o Evaluating the CMS replication implementation option to determine whether it can fulfill the requirements of AOSC16-15 In Re: Uniform Case Reporting Requirements
- o Refining UCR reporting specifications in preparation for commencement of statewide reporting
- o Securing a contract for staff augmentation for additional UCR Project development
- o Preparing for consultants and providing contractor support

OVERVIEW OF FY2015-2017 PROGRESS

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