



# PROJECT STATUS REPORT

## PROJECT SUMMARY

REPORT DATE	PROJECT NAME	PROJECT WEB PAGE
September 30, 2016	Judicial Data Management Services	<a href="http://www.flcourts.org/jdms">www.flcourts.org/jdms</a>

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 FY 2017-2018 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 fourth release cycle of the JDMS Project (July 1, 2016 through September 30, 2016), the project team accomplished many tasks and features to advance the project.

***Deployed the 2016 Uniform Data Reporting (UDR) system modifications for the Court Interpreting data, which include implementing the statutory changes per AOSC11-45 Corrected In Re: Court Interpreting Services in Florida's Trial Courts***

Contractors had previously modernized the extraction, translation, and loading process for the entire UDR system. This quarter, staff deployed into production the Court Interpreting subsystem of the UDR and began receiving and processing data, which includes the newly-collected Court Interpreting event durations as per AOSC11-45 Corrected. The data is available beginning with July 2016. This modernization supports Goal #1.

***Designed changes to the UDR system for Court Experts data to fulfill the changes jointly requested by the Commission on Trial Court Performance and Accountability and the Trial Court Budget Commission***

Staff worked closely with other OSCA units to fulfill the requested changes to the Court Experts subsystem of the UDR. This redesign was mandated by the Trial Court Budget Commission. The redesigned data entry form and underlying database table was created this quarter and submitted to the OSCA's IT Governance Board for inclusion into their project schedule. Staff also evaluated the impact the changes will have on the UDR system in preparation for the redesigned data structure. Work in this project area supports Goal #1 of JDMS project plan.

***Provided technical support and release testing of the modifications to both the Court Interpreting and Court Experts data entry screen***

Court Services provided support to the ISS unit in their final testing and deployment of the new Court Interpreting data entry application early in the quarter. This included internal testing, testing with users in the circuit, and providing feedback on the required functionality and requesting additional quality control enhancements to the application. Later in the quarter, the ISS unit developed the new Court Experts data entry screen, and Court Services provided the same technical support and release testing before its deployment. Work in this project area supports Goal #1 of JDMS project plan.

***Developed a transition plan to move Court Services Legacy data systems to access the new virtual production environment based on the OSCA server farm.***

To prepare for the migration of the Court Services file server to the new virtual server, a comprehensive inventory of all files on the current file server and the programs writing to the server was taken. A plan for the changing the programs to utilize the new virtual server was developed. Migration of the file server will support Goal #1.

***In response to AOSC16-45 In Re: Uniform Case Reporting Requirements, evaluate options for full statewide fulfillment of the data collection requirement, including the determination of funding needed***

Upon issuance of this AO in April, Court Services staff explored several implementation options that may be available to counties in fulfilling the requirements of the order. In addition to complying with the order's specific requirements, evaluation criteria included the burden on reporting entities, the level of data quality, fiscal impact, and timeliness of data. This work prepares for the pilot phase of the UCR project, and directly supports Goal #2.

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

Also in support of Goal #2, Court Services began work with the first volunteer county. In collaboration with the county, the pilot was broken down into three parts and a timeline was established for each. The first phase of the pilot focused on the project specification documents.

***Amended UCR project specifications and created additional documentation to assist the clerks of court***

Court Services provided clarification on the specification in response to the first pilot county's feedback, and made some amendments as necessary. Staff also developed an additional data dictionary at the request of the pilot county. These enhancements to the documentation will benefit all reporting entities who participate in this project.

***Monitored the development of the Web Services component and provided technical assistance to OSCA's ISS unit***

Court Services provided technical support to the ISS unit in their planning for the development of Web Services. Several options and considerations were explored, and this feature will be carried forward to other quarters. This feature supports both Goal #1 and Goal #2.

***Created a TEST environment for SQL server and incorporate its use into JDMS workflow***

A TEST environment for SQL server was set up this quarter. This additional environment will assist in release testing, ensuring the separation of development, testing, and production in the JDMS workflow. This feature supports Goal #1.

***Developed additional quality tools for the SRS System to stabilize the addition of stalking violence data***

A "missing data" report for this subsystem of the Summary Reporting System (SRS) was developed for the analysts this quarter. This analytical tool will increase the quality of the stalking violence data statistics. This feature stabilizes the SRS system in support of Goal #1.

***Developed a plan for full incorporation of the additional data elements into the SRS System***

Stalking violence data was a recent addition to the SRS, and needs to be fully incorporation in the system. If full support of Goal #1, a plan to incorporate the stalking violence data into all pieces of the SRS system was created this quarter.

***In preparation for the FY 2017-2018 development cycle, evaluated the visual display of data options currently available***

Court Services staff attended two presentations of current commercial products available for the visual display of data and evaluated their suitability for JDMS. This feature supports Goal #3, and will be carried forward to future quarters.

***In preparation for the FY 2017-2018 development cycle, identified projects suitable for inclusion in the next JDMS project plan.***

Several projects have been identified and evaluated for their feasibility in advancing the UCR project and JDMS goals for the next development cycle. Staff met with two vendors to receive cost estimates of anticipated projects. In collaboration with other OSCA units, staff worked on the FY2017-2018 legislative budget request for JDMS. This feature supports Goal #3.

***Began staff training on new JDMS development platforms***

The JDMS team began group and individual training on new platforms in which future development will take place. Staff is currently learning the Python programming language and Microsoft's PowerShell task automation framework.

**DEVIATIONS FROM PLANNED OBJECTIVES**

All project areas scheduled for development were advanced this quarter.

**OBJECTIVES PLANNED FOR NEXT QUARTER**

For the release cycle ending December 31, 2016, the following project areas are identified for work:

- Uniform Data Reporting
  - Developing a research data mart for the Court Interpreting data for use in budget and resource allocation
  - Deploying the 2016 Court Experts data modifications
- JDMS Framework Development
  - Defining a documentation structure for the JDMS development

- Migrating JDMS file server to OSCA server farm
- Continuing the evaluation of visual display of data options
- Working 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.
- Continuing group and individual training on JDMS development platforms
- Identifying projects appropriate for FY2017-2018 JDMS development cycle
- Assisting OSCA's legislative team with FY 2017-2018 Legislative Budget Request
- Uniform Case Reporting (UCR) Project
  - Working with volunteer counties to fulfill the pilot phase of the Uniform Case Reporting project
  - Working with circuit Court Technology Officers to explore data replication option
  - Updating reporting specifications to assist clerks of court in fulfilling requirements of UCR project
  - Continuing outreach to clerks of court in preparation for commencement of statewide reporting under AOSC16-15 In Re: Uniform Case Reporting Requirements
  - Working with OSCA's ISS unit to evaluate and develop the web services component of the UCR infrastructure

## OVERVIEW OF FY2015-2017 PROGRESS

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