



PROJECT STATUS REPORT

PROJECT SUMMARY

REPORT DATE	PROJECT NAME	PROJECT WEB PAGE
June 30, 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 FY 2017-2018 development cycle.

STATUS REPORT SCOPE

This document reports the project elements completed during the current release and outlines the tasks identified for work in the next quarter.

DETAILS OF CURRENT RELEASE

During the fourth release cycle of the JDMS Project (April 1, 2016 through June 30, 2016), the project team accomplished many tasks and features to advance the project.

Integrated new staff into Data Administration and Court Services

The final position was filled in April, and all four new staff members have attended introductory training sessions.

Provided support services for contractors, including developing detailed specifications and performing code reviews and release testing for statement of work objectives

Over the quarter, staff worked closely with contracted programmers and devoted a significant level of support and oversight. Contractor support included systems design work, project management services, code review, and integration and testing services. The features accomplished by the contractors fulfilled Goals #1 and #2 of the project plan.

Secured a contract for needed enhancements to the Foreclosure Dashboard website

The OSCA contracted with the company who originally developed the dashboard, which has been live since November 2013. Staff negotiated the enhancements included in the contract's statement of work from the list of feedback received last quarter from the dashboard's end users. The feedback obtained from the users directly supports Goal #3 of the project plan. Many of the requests won't be accommodated by this round of enhancements but will be used when designing future dashboards and other visual displays of data.

Provided support services during the Foreclosure Dashboard modifications

Staff provided oversight and support to the contracted programmers making the enhancements to the dashboard website. The enhancements were completed, tested, and deployed to the website this quarter.

Developed a migration plan to transition the Uniform Traffic Citation system into the virtual server environment

In support of Goal #1, a server migration plan for the Uniform Traffic Citation system was created.

Developed a migration plan to transition the Uniform Data Reporting system into the virtual server environment

In support of Goal #1, a server migration plan for the Uniform Data Reporting system was created.

Worked with volunteer counties to prepare them for prototype UCR reporting and testing

This quarter, prior to and after the issuance of AOSC16-15 [In Re: Uniform Case Reporting Requirements](#), staff continued discussions with clerks of court and their association regarding the implementation options of this reporting requirement. The OSCA evaluated four main implementation options and selected two that would fulfill the administrative order.

Developed scripts to retrieve UCR data from the OSCA data exchange host

This script will implement a general-purpose application to retrieve data submitted by clerks of court to the OSCA's FTP site. This feature supports both Goal #1 and Goal #2.

Developed a mechanism to read, parse, and transform case-event transaction data submitted as per the UCR Project Specification

These scripts implement a mechanism for retrieving UCR data submitted via the OSCA web services and preparing this data for incorporation into the Court Services Data Warehouse. All features related to UCR support Goal #2 of the project plan.

Refined business rules for the parsing of specific UCR event records

This quarter, staff built upon previous work completed on the business rules to parse UCR records as defined in the data collection specification into the trial court data model. Business rules and use cases for the Case Initiation, Case Closure, Case Reopen, and Case Reclosure events were refined and provided to the contractors developing the code to extract, translate, and load the event data into the Court Services Data Warehouse.

Developed a mechanism to parse imported UCR events into the courts Trial Court Data Model database structure as per the JDMS framework

These scripts implement a general-purpose streaming event queue for processing case event data and implements business rules for Case Initiation and Case Closure events as per the UCR Data Collection Specification.

DEVIATIONS FROM PLANNED OBJECTIVES

The features scheduled for development by the contractors last quarter and this quarter ran over their estimated time, resulting in several features not being completed by the end of the contract period. Shifting project goals resulted in the deliberate choice to have certain features worked on in place of the ones not yet started. The following features were not completed by the contractors during the allotted time:

- ***Develop scripts to read the UCR data files from disk, parse associated XML envelope, and stage data for processing into the appropriate data system***
- ***Update the Extract, Transform, and Load (ETL) process for criminal transaction data as provided by the OBTS to conform to the JDMS framework***
- ***Modernize ETL process for Uniform Traffic Citation Reporting from older SAS-based application to TSQL API to conform to the JDMS framework***

This quarter presented a number of non-project issues: needed work of existing data systems, transition of physical office location, and stabilizing the virtual server environment. The change in office locations lessened the urgency to migrate all existing data systems to the new environment. As such, the project team chose to delay work on the following features related to systems migration, which were planned before the office move was announced:

- ***Migrate the Summary Reporting System to the JDMS virtual server environment***
- ***Migrate the Offender Based Tracking System to the JDMS virtual server environment***
- ***Migrate Court Services production databases to the new DA-SQL virtual server***

OBJECTIVES PLANNED FOR NEXT QUARTER

For the release cycle ending September 30, 2016, the following features are identified for work:

- Deploy the 2016 Uniform Data Reporting (UDR) system modifications for the Court Interpreting data, which includes the implementation of statutory changes per AOSC11-45 [Corrected In Re: Court Interpreting Services in Florida's Trial Courts](#)
- Design 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
- Provide technical support and release testing of the modifications to both the Court Interpreting and the Court Experts data entry screens
- Develop a plan to modify Court Services production systems to read from and write to the DA-PROD virtual server
- 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
- Work with volunteer counties to prepare them for prototype Uniform Case Reporting (UCR) data submission and testing
- Amend UCR project specifications as necessary and create any additional documentation to assist the clerks of court
- Monitor the development of the Web Services component and provide technical assistance to OSCA's ISS unit
- Create a TEST environment for SQL server and incorporate its use into JDMS workflow

- Develop additional quality tools for the SRS System to stabilize the addition of stalking violence data
- Develop a plan for full incorporation of the additional data elements into the SRS System
- In preparation for the FY 2017-2018 development cycle, evaluate the visual display of data options currently available
- In preparation for the FY 2017-2018 development cycle, identify projects suitable for inclusion in the next JDMS project plan
- Begin staff training on new JDMS development platforms

OVERVIEW OF FY2015-2017 PROGRESS

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