



PROJECT STATUS REPORT

PROJECT SUMMARY

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

Hired and integrated new staff into Data Administration and Court Services

OSCA management conducted interviews for both the remaining position allocated in the JDMS budget and a vacancy due to an internal promotion. Candidates for both positions were selected and one of the new employees began

employment in Court Services this quarter. The last staff member is expected to join the team next quarter. Several administrative tasks relating to preparing for and integrating the new staff member were also completed this quarter.

Prepared resources for contracting services beginning in mid-January 2016

Court Services staff prepared several sets of requirements and specifications for the contractors brought on board in mid-January. Additionally, staff worked with the contractors throughout the quarter to prepare the development environment, revise the requirements, provide additional clarification, and perform code reviews.

Set up a Uniform Case Reporting (UCR) data model

In preparation for accepting data from the UCR project, the data model was defined this quarter. The data model includes places for each data element collected in the UCR project data collection specification, as well as meta data captured from the submission of case activity records.

Created a Uniform Case Reporting (UCR) database

Following the creation of the UCR data model, the physical database was built in accordance with the JDMS framework. Development of the data model and database support Goal #2 of the project plan.

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

In anticipation of the UCR Project proposal approved by the Commission on Trial Court Performance and Accountability and currently before the supreme court, contact was initiated with several clerks of court who have considered being in the group of early reporters. Conference calls were held with counties during this quarter, and staff is using the questions and comments received to develop additional materials, including a Frequently Asked Questions document. This objective directly supports Goal #2 of the project plan and is planned to continue in the next quarter.

Developed business rules for the parsing of UCR data received from counties

This quarter, staff worked on developing the business rules for parsing UCR records as defined in the data collection specification into the data model. Rules for two of the events types were developed this quarter and the remaining rules will be finalized next quarter. These parsing rules will be used by contractors and staff to process the staged records and load them into the Court Services Data Warehouse. All features related to UCR support Goal #2 of the project plan.

Modernized ETL process for Uniform Data Reporting (UDR) data to conform to the JDMS framework

The extraction, translation, and loading process for the UDR system was modernized from the older Perl-based applications to TSQL applications. This included incorporating needed changes to the system due to the new method of reporting Court Interpreting event durations as per AOSC11-45 *Corrected In re: Court Interpreting Services in Florida's Trial Courts*. This modernization supports Goal #1.

Developed a graphical application to efficiently manage access to various court dashboards

A more robust and dynamic mechanism to manage user access to court dashboards is in great need. This quarter, a new database process was designed and developed to more accurately manage the users and their associations. A graphical application was also developed to allow for the efficient addition, modification, and deletion of users and their permissions to the Foreclosure dashboard, and can be adapted for future dashboards created by the JDMS project. This feature supports Goals #1 and #3 of the project plan.

Modified SRS research datasets to include Stalking Violence cases

The recent addition of reporting Stalking Violence to the Summary Reporting System (SRS) calls for several changes to the components of the SRS data system. As a means to provide this new data being collected to end users, new scripts were developed last quarter to modify the SRS research datasets accordingly. The suite of programs finished testing and deployed into production this quarter. The modified SRS research datasets support Goal #1 of the project plan.

Implemented the JDMS virtual server environment for SQL Server

A virtual database server environment for JDMS was implemented this quarter. Staff installed software and set up user accounts on the new server. This feature supports Goal #1 of the project plan.

Migrated the Foreclosure System to the JDMS virtual server environment

The first Court Services' data system was migrated from the current server to the new virtual server production environment this quarter. This involved restructuring the system's directory structure, updating several programs, and extensive testing. This is the first system in the new JDMS framework. Migration of the Court Services' data systems directly supports Goal #1 of the project plan.

Migrated end users' data files into the virtual server environment

In support of Goal #1, all files on the Court Services file server were successfully moved to the new virtual server environment during this quarter.

Developed migration plans to transition the SRS and OBTS systems into the virtual server environment

To ensure the compatibility of the legacy systems in the new virtual server environment, the team developed plans for two more of the production systems: the Summary Reporting System and the Offender Based Tracking System. These migrations will be carried out next quarter. Modernizing current data systems into the new environment is in direct support of Goal #1.

Prepared for contacting services for April – June 2016 development (Foreclosure Dashboard enhancements)

Resources were allocated for enhancements to the Foreclosure Dashboard website, which has been live since November 2013. This quarter, staff requested feedback from end users about the usability of the website. From this feedback, a list of needed corrections and desired features was created and will be used to develop the contract's statement of work. The feedback obtained from the dashboard's 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.

DEVIATIONS FROM PLANNED OBJECTIVES

The initial features scheduled for development by the contractors ran over their estimated time. As such, work on subsequent features planned for development were started but not completed during this quarter. The company under contract has resolved resource issues to ensure the remainder of the objectives are completed by the end of the contract period.

The following three features will carry over to the objectives planned for the next quarter:

- ***Develop scripts to retrieve UCR data from the OSCA data exchange host***
- ***Develop scripts to read, parse and transform UCR data submitted and stage for incorporation into the Court Services Data Warehouse***
- ***Develop scripts to read the UCR data files from disk, parse associated XML envelope and stage data for processing into the appropriate data system***

The suite of programs to incorporate stalking violence into the Summary Reporting System (SRS) was finished late within the quarter. The subsequent feature to develop an automated stalking violence SRS report for clerks of court was not completed during the quarter.

OBJECTIVES PLANNED FOR NEXT QUARTER

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

- Integrate new staff into Data Administration and Court Services
- Provide support services for contractors, including developing detailed specifications and performing code reviews and release testing for all remaining objectives
- Secure a contract for needed enhancements to the Foreclosure Dashboard website
- Migrate the Summary Reporting System to the JDMS virtual server environment
- Migrate the Offender Based Tracking System to the JDMS virtual server environment
- Develop a migration plan to transition the Uniform Traffic Citation system into the virtual server environment
- Develop a migration plan to transition the Uniform Data Reporting system into the virtual server environment
- Migrate Court Services production databases to the new DA-SQL virtual server
- Work with volunteer counties to prepare them for prototype UCR reporting and testing
- Develop scripts to retrieve UCR data from the OSCA data exchange host
- Develop scripts to read the UCR data files from disk, parse associated XML envelope and stage data for processing into the appropriate data system
- Develop a mechanism to read, parse and transform case-event transaction data submitted as per the UCR Project Specification and stage for incorporation into Court Services Data Warehouse
- Develop a mechanism to parse imported UCR events into the courts Trial Court Data Model database structure as per the JDMS framework
- 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

OVERVIEW OF FY2015-2017 PROGRESS

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