

# CASESTUDY

## ENGINEERING & TECHNICAL SERVICES



## QUICK SOLUTIONS, SUPERIOR RESULTS

### CHALLENGE

The MIL Corporation's (MIL) client, The Nuclear Regulatory Commission (NRC), presented the challenge of an information system upgrade. In this case, NRC needed to upgrade their financial accounting and integrated management information system (FAIMIS) from Momentum version 6.4.1 to version 7.1.3. MIL took on the challenge and was tasked with leading IV&V efforts through several testing iterations over a four-month period. Each testing iteration provided only three weeks for MIL to test approximately 90 enhancement upgrades, which affect over 15 modules within the FAIMIS system. Additionally, MIL was tasked with performing regression testing on existing functionality as well as verifying a number of NRC custom processes. MIL also ran scripts to confirm data conversion.

### SOLUTION

To meet the NRC's needs, MIL created a test strategy to address four main objectives: installation/ functionality, upgrades/enhancements, NRC customizations, and conversion. In order to determine all potential outcomes, the test log that was developed contained 400 scenarios. The first iteration of testing revealed almost 30 issues that the developer had to investigate and rectify. The final iteration of testing focused on several key areas, which included data conversion and previously corrected issues, as well as end-to-end testing of NRC customized processes. These NRC processes included license fee billing, automated disbursements, Travel Invoice (TN) file processing, Central Contractor Registration Connector (CCRC), Business Intelligence and Reporting Tool (BIRT), and Payment Automation Manager (PAM). In addition, MIL helped review training materials and assisted with FAIMIS verifications that had interfaces from other systems.

### BENEFIT

MIL's expertise and steadfast testing allowed NRC to meet a tight deadline for production deployment while managing short IV&V testing windows. During the process, numerous issues were identified, which allowed the developer to investigate problematic areas and fix any concerns before deploying to production. As of March, 11 2015, NRC successfully went live with Momentum 7.1.3, encountering no major issues. As a result of the upgrade, NRC is now GTAS-compatible and PAM-ready. GTAS is Treasury's new government-wide treasury account symbol adjusted trial balance system, which is mandatory for all federal agencies. Ultimately, MIL's familiarity with NRC customizations ensures that the agency will receive the highest quality IV&V testing for mission critical issues.