

Case Study Detail

Client
U.S. Navy

Project Name
Adaptive Financial Analysis Module (AFAM)

Project Description

In August 2001, infoReliance teamed with Anteon to provide NPC with Analytical and Technical support in an effort to replace the Budget Accounting Module (BAM) system. The BAM system is a legacy mainframe application, which has evolved over a 25-year period. Understanding the inherent limitations of a 25-year old Cobol-based system the customer sought a replacement solution. infoReliance brought to the team a deep understanding of business modeling and process reengineering, state of the art technological innovation and best of breed application developers this coupled with Anteon's Program Management expertise and broad experience in Navy Personnel arena led to a successful engagement. The Adaptive Financial Analysis Module program is being executed in several tasks beginning with the functional and technical analysis of the BAM system and culminating in the delivery of a system which will enable streamlined business processes, facilitate management of expenditures as opposed to reporting of expenditures and automate reconciliation of expenditures back to source data allowing NPC to better understand and endorse the reported information.

The AFAM project began with a detailed functional and technical assessment of the BAM system. Team members reviewed the existing application documentation, interviewed users and observed the product in use. From this a current business model was created and validated. The Team then interviewed management to determine what high-level NPC objectives were not being met and how limitations in the BAM system contributed to those problems. For there a architecture and preliminary AFAM design were created. This design called for incremental software releases to address immediate concerns as soon as possible while building the framework for the advanced features AFAM will deliver.

Phase I of AFAM consists of replacing all existing functionality as well as adding ad hoc query capabilities, basic workflow and collaboration. In addition to the functional enhancements AFAM Phase I is implemented in a modern web-based environment delivering substantial gains in administration and configuration management without sacrificing functionality. Phase I incorporates innovative design changes coupled with enhanced functionality to bring additional capabilities to the users while making the system more easy to use and intuitive. The design is based on the requirements gathered in the functional analysis period and are managed closely to ensure the development effort yields the desired product. To further reduce project risks requirements are closely managed to ensure all functionality is accounted for in development and testing. The change control group evaluates any additional requirements during weekly In-Process Reviews (IPRs) and determines if the requirement should be added and what project phase it will be covered under.

Phase II of the AFAM program expands on the functionality delivered in

Project Description, cont.

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Phase I through the inclusion of detailed Expenditure reports and drill-down capabilities. This addition combined with the expansion of workflow capabilities will yield substantial productivity gains and enable research that to date has been accomplished manually, if at all.

Phase II builds on the same web-based technology as Phase I, but incorporates more of the middle tier functionality made available by the infoReliance Metadata Engine. Phase III of AFAM will automate many of the current manual business processes and with the inclusion of various source data elements, allow NPC to validate expenditures with a degree of accuracy unheard of today. The system will manage much of the reconciliation processes on a scheduled basis only notifying users of critical events that warrant human intervention or review.

Throughout all Phases of the project, the infoReliance team is supporting the program through development of User Manuals and technical support documentation. Training will be held at each product release and will be coordinated through the CM team to ensure the training and release coincide with NPC schedules.

infoReliance is working in close partnership with NPC to bring technical expertise and software management methodology to bear on the AFAM program in manner that maximizes NPC's return on investment and enables them to meet their business goals and succeed in their mission. infoReliance will measure the AFAM program as a success only upon NPC meeting or exceeding its stated business goals as they relate to the reporting and management of Expenditures and Obligations in AFAM.