

Fuels Automated System (FAS)

The FAS program was initiated in FY96 to accommodate evolving requirements for the fuels mission of the Defense Logistics Agency. FAS is designed to increase fuel accountability at the Defense Fuel Supply Points, integrate automatic tank gauging and automated leak detection capabilities, provide a mechanism for specialized customer support through tailored terminal interfaces, and promote real-time data processing.

FAS consists of Base and Enterprise levels, that collectively will provide an automated, integrated, and responsive system for managing DoD fuels. The Base Level system provides transaction data at the fuel distribution terminal, whereas the Enterprise Level system handles procurement, supply, and financial functions. The Base Level System consists of 400 commercial-off-the-shelf (COTS) microcomputer servers and 1,300 COTS microcomputer workstations deployed to 600 Military Services and Defense Logistics Agency locations. The Enterprise Level system comprises ten COTS mid-tier servers and existing office automation at the Defense Energy Support Command headquarters, its regions, and field offices.

Since the completion of the Base Level system in FY97, the FAS Program Management Office has turned its attention to the Enterprise Level system. The Enterprise Level system comprises two major components: Oracle Federal Financials provides accounts payable, general ledger, and accounts receivable functions; and Oracle Energy Downstream, a COTS package that Oracle acquired from British Petroleum, manages fuels purchases.

Throughout FY98 and FY99, implementation of the Enterprise Level System was delayed because the vendor failed to incorporate all requirements for prompt payment and price escalation into the Government layer of the financial applications. During FY00 and FY01, the FAS Program Management Office implemented changes in the FAS software, established information transfer capability between all FAS users, conducted FAS developmental test, and provided training to FAS users.

Joint Interoperability Test Command (JITC) conducted the Initial Operational Test and Evaluation (IOT&E) for FAS (Base and Enterprise levels combined) in August and September 2001. The testing was conducted primarily in the Rocky Mountain/West Coast Region. During the IOT&E, FAS was operating in parallel with the legacy system, Defense Fuels Automated Management System (DFAMS). DFAMS was the system of record during the test.

TEST & EVALUATION ACTIVITY

An operational assessment (OA) was conducted in December 2001 to reevaluate deficiencies identified during the IOT&E, which was conducted in August and September 2001.

TEST & EVALUATION ASSESSMENT

The IOT&E conducted during FY01 showed that FAS was operationally suitable, but not operationally effective. This conclusion was based on the fact that Critical Operation Issue (COI) Mission Performance and COI Interoperability were not satisfactorily met during the IOT&E. DOT&E directed that a follow-on OA be conducted to re-evaluate the deficient areas after they are rectified. JITC conducted the follow-on OA in December 2001. The OA results showed that most of the



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problems have been either fixed or improved upon, with the exception of the problems associated with system access and audit log capabilities. The workarounds implemented during the OA were meeting the users' needs and most users interviewed indicated they were satisfied with the progress made. In May 2002, FAS received full fielding approval for its first increment. An Operational Test and Evaluation is planned for the next FAS increment to support posts, camps, and stations in FY03.