



Expanded E- Government

The Chief Information Officer is responsible for implementing the e-Government initiative of President George W. Bush's management agenda at DOE. This initiative drives improved information technology management, elimination of redundant processes and increased cyber security. In the last four years, the Department has made tremendous progress in e-Government.

DOE has improved information technology management by reenergizing the Information Technology Council that is responsible for reviewing business cases, measuring project performance and ensuring the remediation of poorly performing projects. We have developed a comprehensive project managers' certification program to ensure vigorous project management using earned value. By developing an Enterprise Architecture that aligns to the Federal Enterprise Architecture, we have ensured that all Department IT investments follow our Modernization Roadmap. We have eliminated redundant processes by participating in the original 24 Quicksilver e-Government projects, e-Authentication and the five Lines of Business. We identified nineteen candidates for consolidation within the Department and are actively working on five of them. We have increased the security of our IT enterprise by certifying and accrediting more than 90% of our operating systems. We have updated and augmented our cyber security policies and are now institutionalizing them, to include incident reporting and wireless technology use.

The e-Government team at the Department of Energy has laid the foundation necessary to meet the requirements of the PMA. Our vision for the future is to build on that foundation and make DOE the best-managed Department in the Federal Government.



Rose Parkes
Chief Information Officer



Highlights of What We've Accomplished

- *Established Process to Review Proposed IT Projects.* Beginning in 2002, IT projects over \$5 million became subject to a rigorous review process, which requires approval by DOE's Chief Information Officer and the senior official whose office is proposing the project.
- *Established Process to Monitor IT Project Development Performance.* All IT projects are reviewed quarterly to ensure that cost and schedule overruns, and performance shortfalls average less than 10 percent. Currently more than 70 percent are managed with less than 10 percent shortfalls.
- *Established Review Process for Enterprise Architecture Alignment.* Once IT projects are approved, they are reviewed quarterly by the CIO Council to ensure that they map to the Department's enterprise architecture and the Federal Enterprise Architecture. Previously, no such rigor existed resulting in a lack of standardization and poorly managed systems.
- *Instituted IT Project Manager Certification Requirement.* The Department established a project management certification program specifically for IT managers. By FY 2004, the Department certified 68 IT project managers and every major IT investment has a qualified project manager.
- *Certified and Accredited the Security of 92 Percent of IT Systems.* The Office of the Chief Information Officer meets with Program Offices quarterly to review progress on implementation of cyber security requirements and on the progress of the Department's Cyber Management Program.
- *Implemented Internal Independent Verification and Validation (IV&V) for Departmental Information Systems.* IV&V is helping the Department ensure that cyber security requirements are implemented consistently, effectively and efficiently across the enterprise. This process will help the Department reduce the number of audit findings associated with implementation.
- *Integrated Desk-top Services.* The Department integrated and standardized desk-top services for headquarters, resulting in over \$14 million per year in estimated cost savings, improved service and better cyber security.
- *Designated as Managing Partner for the Government-wide Financial Management Line of Business (FM LOB) Initiative.* As a recognized leader in the IT community, DOE was asked by OMB to serve along with the Department of Labor as a managing partner on a flagship project to integrate Federal financial management systems.



FY 2005 Goals

- *Expand DOE's Enterprise Architecture.* The Department will expand and institutionalize its Enterprise Architecture into all levels of the enterprise to identify duplicative efforts and refocus funding on mission priorities. The DOE Enterprise Architecture will be successfully linked to the Federal Enterprise Architecture to achieve Levels 3 and 4 on the OMB EA Maturity Model. (DOE's current level is 2.25.)
- *Secure All IT Systems.* Currently, 92 percent of DOE's IT systems have been certified and accredited for compliance with security requirements. The remaining systems will be certified in FY 2005.
- *Install All Systems in Accordance with Minimum Security Configurations.* DOE will install and update all of its IT systems in accordance with approved security configurations.
- *Reduce Vulnerabilities across the Enterprise.* DOE will continue to reduce cyber security vulnerabilities through aggressive scanning and continuous monitoring across the DOE enterprise.
- *Implement Earned Value Management Systems for All Major IT Investments.* DOE's major IT investments are implementing earned value management systems (EVMS) to ensure that they are adhering to schedule, cost and performance baselines. By the end of FY 2005, DOE will manage all of its major investments using EVMS and will ensure that performance is within 10 percent of baseline.
- *Reduce DOE IT Business Cases on OMB Watch List.* Currently, 12, or about 25 percent, of DOE's major IT system business cases are on the OMB Watch List. DOE will take steps to remove all of the systems from the Watch List by March 2005.
- *Improve Configuration Management.* DOE will continue to implement configuration management for all common information systems and integrated DOE networks.
- *Contingency Planning and Critical Infrastructure Protection.* DOE will increase its efforts to identify, prioritize and protect its critical infrastructure and key resources, specifically focusing on those programs that support the energy grid and nuclear stockpile.
- *Implement Agency Identity Management and Access Control Solution.* In FY 2005, DOE will establish an intra-agency program in support of the President's directive to provide a common identification standard for all Federal and Contractor employees.