

IRM

Information
Resources
Management
Strategic Plan
Appendix
FY2014–2018



Appendix: Strategic Planning Process

The FY 2014–2018 Department of Energy (DOE) Information Resources Management (IRM) Strategic Plan creates a cohesive connection among more than 15 Federal, DOE, and Office of the Chief Information Officer (OCIO) strategic documents that provide guidance to the Department on issues related to information and IT.

Guidance Documents for the FY 2014–2018 DOE IRM Strategic Plan

Several Federal, DOE, and OCIO resources were used to develop the DOE IRM Strategic Goals, Objectives, and Strategies. These inputs include:

- **2012 IT Modernization Strategy:** This [document](#) defined the Department’s current modernization initiatives and served as the baseline for development of the FY 2014–2018 DOE IRM Strategic Plan.
- **Federal Strategic Documents:** Example inputs include the [25 Point Implementation Plan to Reform Federal IT Management](#), [Digital Government Strategy](#), and [Digital Government Strategy Report for the DOE](#).
- **DOE Strategic Documents:** Example inputs include the [2011 DOE Strategic Plan](#), [2012 DOE Strategic Plan GPRA Addendum](#), [2014–2018 DOE Strategic Plan](#), [DOE Laboratories: Leadership in Green IT](#), [DOE National Laboratories and Plants: Leadership in Cloud Computing](#), and [2012–2016 NNSA Implementation Plan](#).
- **OCIO Strategic Documents:** Example inputs include the [2012–2017 DOE OCIO Strategic Plan](#), [2011 OCIO Strategic Focus Points](#), [2012 DOE IT Modernization Strategy](#), [OCIO FY13 Human Capital Management Plan](#), and 2014 Enterprise Roadmap.
- **Senior Staff Discussions:** Leadership from the DOE OCIO, Departmental Elements (DEs), and the Information Technology Council (ITC) provided input throughout the IRM Strategic Plan development process.

Alignment between FY 2014–2018 DOE IRM Strategic Plan and 2012 IT Modernization Strategy

Signed by the DOE Deputy Secretary, the FY 2014–2018 DOE IRM Strategic Plan is the single document guiding the future of Departmental information and IT. It incorporates critically relevant concepts from previous strategic documents, including the 2012 IT Modernization Strategy. Table 1 illustrates the alignment between the DOE IRM Objectives and the 2012 IT Modernization Strategy Objectives.

Strategic Goal	FY 2014–2018 DOE IRM Objective	2012 IT Modernization Strategy Objective
Strategic Goal 1: <i>“Supporting our information consumers”</i>	1.1 Improve delivery of enterprise information and IT solutions by understanding consumers’ needs, preferences, and behaviors.	
	1.2 Create new capacity through a network of DOE clouds that will achieve enhanced performance of information and IT solutions by integrating networks and services.	Objective 1: Consolidate and connect networks and services to create the DOE “Cloud of Clouds”
	1.3 Ensure the availability of and access to information that enables consumers to make timely, informed decisions by strengthening corporate data and information management approaches.	Objective 4: Develop a corporate data and information management strategy
	1.4 Provide IT solutions by deploying innovative information technologies while enhancing existing technologies.	
Strategic Goal 2: <i>“Excelling as stewards of enterprise IT resources”</i>	2.1 Improve interoperability and compliance by enhancing the Departmental enterprise architecture, policy, and standards.	Objective 2: Establish architecture, policy and standards that embrace platform and device diversity and enable timely insertion of disruptive technologies
	2.2 Improve Departmental decision-making by strengthening governance processes.	Objective 5: Align IT Management and Governance
	2.3 Increase the efficiency of Department IT investments by streamlining IT acquisition and improving project management processes.	Objective 3: Streamline, simplify and reduce the cost of IT solutions and acquisition
Strategic Goal 3: <i>“Enhancing information security”</i>	3.1 Fulfill Federal security requirements by establishing the standards and expectations for Departmental cybersecurity	
	3.2 Prevent and promptly resolve cybersecurity threats by strengthening Departmental situational awareness and incident response.	Objective 6: Establish JC3 Full operational capability for information sharing, shared analytics, reporting and collaborative incident response; Objective 7: Strengthen cybersecurity risk management, including understanding and managing our IT supply chain
	3.3 Develop and transition cutting-edge technologies into the DOE security architecture by advancing the Cyber Sciences Laboratory and the Cyber Innovation Center.	Objective 9: Establish and advance the Cyber Sciences Laboratory and establish a Cyber Innovation Center
	3.4 Promote enterprise cybersecurity awareness and foster a stronger sense of accountability by improving cybersecurity training and communication.	Objective 8: Improve cybersecurity training and awareness
Strategic Goal 4: <i>“Investing in our workforce and partners”</i>	4.1 Support the Department’s information technology needs by building a talented, diverse workforce.	
	4.2 Enable the IT workforce to execute its responsibilities by providing useful, secure technology and processes.	
	4.3 Promote an enterprise approach to information sharing that will foster innovation by collaborating with government, industry, and academic partners.	Objective 10: Engage and leverage the best of government, industry, academic and innovators

Table 1: Alignment between FY 2014–2018 DOE IRM Strategic Plan and 2012 IT Modernization Strategy

Appendix: OMB Reporting Requirements Documentation

This appendix contains additional information concerning aspects of IT management required by the Office of Management and Budget (OMB) in M-13-09, “Fiscal Year 2013 PortfolioStat Guidance: Strengthening Federal IT Portfolio Management.” Further context may be found in the DOE Enterprise Roadmap.

Alignment to DOE Strategic Goals

Requirement AXXA: Identify agency strategic goals and objectives supported by the IRM strategic plan.

Response AXXA: The FY 2014–2018 DOE IRM Strategic Plan Goals directly support the DOE Mission, Strategic Goals, and Objectives identified in the [2014–2018 DOE Strategic Plan](#). Table 2 outlines the DOE Mission and Strategic Goals supported by the FY 2014–2018 DOE IRM Strategic Plan.

DOE Mission:		
<i>Enhance U.S. security and economic growth through transformative science, technology innovation, and market solutions to meet our energy, nuclear security, and environmental challenges.</i>		
DOE Strategic Goal 1: Science and Energy	DOE Strategic Goal 2: National Security	DOE Strategic Goal 3: Management & Performance
Advance foundational science, innovate energy technologies, and inform data driven policies that enhance U.S. economic growth and job creation, energy security, and environmental quality, with emphasis on implementation of the President’s Climate Action Plan to mitigate the risks of and enhance resilience against climate change.	Strengthen national security by maintaining and modernizing the nuclear stockpile and nuclear security infrastructure, reducing global nuclear threats, providing for nuclear propulsion, improving physical and cybersecurity, and strengthening key science, technology, and engineering capabilities.	Position the Department of Energy to meet the challenges of the 21st century and the nation’s Manhattan Project and Cold War legacy responsibilities by employing effective management and refining operational and support capabilities to pursue Departmental missions.

Table 2: 2014–2018 DOE Mission and Strategic Goals

Requirement AXXB: Describe how activities of the IRM Strategic Plan and Enterprise Roadmap advance these goals and objectives.

Response AXXB: The FY 2014–2018 DOE IRM Strategic Plan Goals are either directly aligned to or a significant enabler for each of the 2014–2018 DOE Strategic Plan Goals and their respective objectives.

- A **direct alignment** reflects a clear linkage between an IRM Strategic Plan Goal and the accomplishment of a DOE Strategic Plan Goal.
- A **crosscutting alignment** reflects linkages where execution of an IRM Strategic Plan Goal provides or supports the information or IT that enables the accomplishment of a DOE Strategic Plan Goal.

Table 3 illustrates the alignment of the DOE IRM Strategic Plan Goals to DOE Strategic Plan Goals. The DOE Strategic Plan Goals are addressed in Section 2 of DOE’s 2014 Enterprise Roadmap.

DOE Goals IRM Goals	Strategic Goal 1: Science and Energy	Strategic Goal 2: National Security	Strategic Goal 3: Management and Performance
Strategic Goal 1: <i>“Supporting our information consumers”</i>	Crosscutting	Crosscutting	Direct
Strategic Goal 2: <i>“Excelling as stewards of enterprise IT resources”</i>	Crosscutting	Crosscutting	Direct
Strategic Goal 3: <i>“Enhancing information security”</i>	Crosscutting	Crosscutting	Direct
Strategic Goal 4: <i>“Investing in our workforce and partners”</i>	Crosscutting	Crosscutting	Direct

Table 3: FY 2014–2018 DOE IRM Strategic Plan Goals aligned to 2014–2018 DOE Strategic Plan Goals

Improving Services to Customers

Requirement BXXA–BXXC: Describe how your agency regularly evaluates existing and planned customer-facing services to:

- Measure customer use and satisfaction through analytics and other approaches; (BXXA)
- Improve usability, availability, and accessibility of services, including optimization of services for mobile use (BXXB); and
- Advance agency performance goals (BXXC).

Response BXXA–BXXC: IRM Strategic Plan Goal 1 (“Supporting our information consumers”) defines how DOE evaluates existing and planned customer facing services to meet the needs of DOE’s internal and external consumers. IRM Strategic Plan Goal 1 has four underlying Objectives that support Requirements BXXA–BXXC:

- 1.1 Improve delivery of enterprise information and IT solutions by understanding consumers’ needs, preferences, and behaviors.
- 1.2 Create new capacity through a network of DOE clouds that will achieve enhanced performance of information and IT solutions by integrating networks and services.
- 1.3 Ensure the availability of and access to information that enables consumers to make timely, informed decisions by strengthening corporate data and information management approaches.
- 1.4 Provide IT solutions by deploying innovative information technologies while enhancing existing technologies.

To monitor the effectiveness of our efforts, DOE will track progress towards IRM Strategic Plan Goal 1 through three enterprise IRM performance measures:

- **Modernization Cost Savings Reinvested into DOE Mission:** Measure the amount of savings from modernization initiatives, such as implementation of shared services and reduction of redundant infrastructure, that are reinvested into the Department’s mission.
- **Information Consumer Satisfaction:** Measure the percentage of information consumers satisfied with DOE enterprise information and IT solutions.
- **Information Availability Index:** Monitor the availability, timeliness, and accessibility of information resources, including the measurement of information with backup components and contingency plans.

The information below supplements the FY 2014–2018 DOE IRM Strategic Plan in support of OMB Requirements BXXA–BXXC:

- DOE has pioneered several initiatives to measure internal and external customer use and satisfaction and tailor solutions accordingly. These initiatives include Google analytics and web-based customer feedback surveys, the annual Energy IT Services (EITS) Customer Satisfaction survey, and Customer Service Focus Workshops. For additional information on DOE’s external- and internal-facing customer feedback initiatives, refer to the [DOE 2011 Customer Service Plan](#). (BXXA)
- DOE is committed to improving the usability, availability, and accessibility of information services, including optimizing services for mobile use. DOE has established the [energy.gov/data](#) and [energy.gov/developer](#) websites to provide easy access to a growing list of DOE data sets, APIs, and other digital tools. DOE has also optimized [Energy.gov](#) for use on a variety of mobile devices including smart phones and tablets. Refer to the [Digital Government Strategy Report for the Department of Energy](#) for additional information on these and other service optimization initiatives. (BXXB)
- DOE is committed to aligning information and IT services to support achievement of DOE agency performance goals. Detailed below, the DOE IRM Mission, established in the FY 2014–2018 DOE IRM Strategic Plan, reinforces this commitment:

DOE IRM Mission: “Advance the Department’s mission through policy, standards, and services which meet mission requirements, balance risk and innovation, and set clear performance goals and expectations for the information ecosystem.”

Further, the [DOE 2011 Customer Service Plan](#) outlines a number of customer-facing service initiatives that support the achievement of DOE’s agency performance goals. (BXXC)

Governance and Management Processes

Requirement CXXA–CXXG: Describe the governance process the agency uses to ensure that current law and policy are followed when planning, prioritizing, funding, executing, and decommissioning IT investments. If there are differences in the way the governance process is implemented across organizational units, describe those differences and why they exist. At a minimum, address:

- The scope of the governance process, including Investment Review Board and other Portfolio Governance Boards (as appropriate) along with delegation of authority to bureaus or other organizational units (as appropriate). (CXXA)
- Which agency stakeholders are engaged, including “C”-level leadership. (CXXB)
- The valuation methodology used to comparatively evaluate investments, including what criteria and areas are assessed. (CXXC)
- How the agency ensures investment decisions are mapped to agency goals and priorities. (CXXD)
- A high-level description of the process used to assess proposed investments and make decisions, including frequency of meetings and how often the process is updated. (CXXE)
- How you coordinate between investment decisions, portfolio management, enterprise architecture, procurement, and software development methodologies. (CXXF)
- Describe the agency’s IT strategic sourcing plan, to include processes for addressing enterprise licenses. (CXXG)

Response CXXA–CXXG: IRM Strategic Plan Goal 2 (“Excelling as stewards of enterprise IT resources”) outlines the future-state governance process the DOE will use to ensure that standardized decision-making and established policy are followed when planning, prioritizing, funding, executing, and decommissioning IT investments. IRM Strategic Plan Goal 2 has three underlying Objectives that support Requirements CXXA–CXXG:

- 2.1 Improve interoperability and compliance by enhancing the Departmental enterprise architecture, policy, and standards.
- 2.2 Improve Departmental decision-making by strengthening governance processes.
- 2.3 Increase the efficiency of Department IT investments by streamlining IT acquisition and improving project management processes.

The information below supplements the FY 2014–2018 DOE IRM Strategic Plan in support of Requirements CXXA–CXXG:

- The scope of IT Management at the Department is contained in Section 3 of the [DOE O 200.1A—Information Technology Management](#). This document includes information on applicability and exclusions of certain DOE Elements from the governance process. (CXXA)
- As outlined in IRM Objective 2.2, in FY13, the OCIO began to refine the Department’s IT governance structure. In FY14, we will collaborate with the appropriate DOE mission stakeholders to build on these proposed revisions and ultimately develop a governance model that provides a forum for discussing and adjudicating corporate requirements, policies, and standards. The resulting IT governance board will inform budget and investment decisions, while overseeing the management of Departmental information and IT. (CXXB)

- The valuation methodology, including assessment criteria, used to comparatively evaluate investments, is detailed in Appendix B of [DOE's Guide to IT Capital Planning and Investment Control](#). The assessment criteria support direct linkage to Presidential priorities, Secretarial goals and objectives, and program priorities. (CXXC–CXXD)
- [DOE's Guide to IT Capital Planning and Investment Control](#) outlines the governance process DOE uses to evaluate proposed investments. Departmental Elements have implemented IT Governance Boards to prioritize IT investments to meet mission objectives. These Investment Review Boards meet frequently to review their IT portfolios, document guiding principles for making investment decisions, rank investments, and identify IT investments for funding as part of the Select phase of the Capital Planning and Investment Control (CPIC) process. The prioritized list of IT investments is then submitted to the OCIO for final compilation and submission to the OCFO and OMB as part of the annual budget process. As part of the Control phase of the CPIC process, DOE monitors the progress of initiatives against projected cost, schedule, performance, and expected mission benefits to ensure each investment is properly managed. A quarterly control review is held for any investment with a “yellow” or “red” score. Once initiatives are fully implemented, DOE assesses actual versus expected results as part of the Evaluate phase of the CPIC process. DOE's Guide to IT Capital Planning and Investment Control is updated annually to include any new internal and external process changes. (CXXE)
- The agency's governance framework and CPIC process, described above, support effective IT investment decision-making across the organization by coordinating IT portfolio management, EA, procurement, software development methodologies and IT project management activities. (CXXF)
- Section VII of DOE's Commodity IT Consolidation Plan addresses the DOE's acquisition approach for Commodity IT. DOE has already made significant strides in moving towards consolidating commodity IT acquisitions. The Headquarters desktop support is provided through a centralized service known as the DOE Common Operating Environment (DOECO). DOE's major financial and acquisition IT systems are provided through a single investment known as [iManage](#). In addition, DOE is moving towards greater utilization of [Government-wide Acquisition Contract \(GWAC\)](#) vehicles such as [Alliant Small Business](#), [SEWP IV](#), and [SmartBUY](#) as sources for many of the IT products. (CXXG)

CIO Authorities

Requirement DXXA: Describe how the agency policies, procedures and authorities implement CIO authorities, consistent with [OMB Memorandum 11–29, “Chief Information Officer Authorities.”](#)

Response DXXA: The DOE CIO has a [Secretarial Delegation of Authority](#) that addresses statutory requirements of the Clinger Cohen Act and the Federal Information Security Management Act.

Table 4 highlights the IRM Objectives and relevant DOE policies aligned to each CIO Authority.

DOE CIO Authority	DOE IRM Objectives/Relevant DOE Policy
Department-wide IT Policy	2.1 Improve interoperability and compliance by enhancing Departmental enterprise architecture, policy, and standards. 3.1 Fulfill Federal security requirements by establishing standards and expectations for Departmental cybersecurity.
IT Governance	2.2 Improve Departmental decision-making by strengthening governance processes. DOE Order 200.1A, Information Technology Management
IT Portfolio Management	1.2 Create new capacity through a network of DOE clouds that will achieve enhanced performance of information and IT solutions by integrating networks and services. 2.2 Improve Departmental decision-making by strengthening governance processes.
IT Performance Management	2.2 Improve Departmental decision-making by strengthening governance processes. 2.3 Increase the efficiency of Department IT investments by streamlining IT acquisition and improving project management processes.
Commodity IT	1.2 Create new capacity through a network of DOE clouds that will achieve enhanced performance of information and IT solutions by integrating networks and services. 1.4 Provide IT solutions by deploying innovative information technologies while enhancing existing technologies.
Information Security	3.1 Fulfill Federal security requirements by establishing standards and expectations for Departmental cybersecurity. 3.2 Prevent and promptly resolve cybersecurity threats by strengthening Departmental situational awareness and incident response. 3.3 Develop and transition cutting-edge technologies into the DOE security architecture by advancing the Cyber Sciences Laboratory and the Cyber Innovation Center. 3.4 Promote enterprise cybersecurity awareness and foster a stronger sense of accountability by improving cybersecurity training and communication. DOE Order 205.1B, DOE Cyber Security Program
IT Management	2.3 Increase the efficiency of Department IT investments by streamlining IT acquisition and improving project management processes. DOE Order 415.1, Information Technology Project Management
IT Acquisition	2.3 Increase the efficiency of Department IT investments by streamlining IT acquisition and improving project management processes.
Enterprise Architecture	2.1 Improve interoperability and compliance by enhancing the Departmental enterprise architecture, policy, and standards.
IRM Strategic Planning	Addressed by the development of the FY 2014–2018 DOE IRM Strategic Plan and subsequent IRM Strategic Plans.
IT Workforce Management	4.1 Support the Department’s information technology needs by building a talented, diverse workforce. 4.2 Enable the IT workforce to execute its responsibilities by providing useful, secure technology and processes.
Records Management	1.3 Ensure the availability of and access to information that enables consumers to make timely, informed decisions by strengthening corporate data and information management approaches. DOE Order 243.1B, Records Management Program
Privacy	3.1 Fulfill Federal security requirements by establishing standards and expectations for Departmental cybersecurity. DOE Order 206.1, DOE Privacy Program

Table 4: Alignment between CIO Authorities, DOE IRM Objectives, and Relevant DOE Policy

Cybersecurity Management

Requirement EXXA: Summarize your agency's strategy to ensuring that IT investment and portfolio decisions align with the Administration's Cybersecurity Priority Capabilities and your agency's IT security goals, and how you will continue to strengthen this alignment.

Requirement EXXB: Describe your agency's approach to ensure all mission critical applications have the proper continuity of operation and disaster recovery capabilities such that the agency can support the proper level of continuity of Government operations in accordance with Federal statute and guidance.

Response EXXA and EXXB: IRM Strategic Plan Goal 3 ("Enhancing information security") outlines DOE's approach for fulfilling Federal cybersecurity requirements, including the Administration's Cybersecurity Priority Capabilities, and ensuring continuity of operation and disaster recovery capabilities. IRM Strategic Plan Goal 3 has four underlying Objectives that support Requirements EXXA and EXXB:

- 3.1 Fulfill Federal security requirements by establishing standards and expectations for Departmental cybersecurity.
- 3.2 Prevent and promptly resolve cybersecurity threats by strengthening Departmental situational awareness and incident response.
- 3.3 Develop and transition cutting-edge technologies into the DOE security architecture by advancing the Cyber Sciences Laboratory and the Cyber Innovation Center.
- 3.4 Promote enterprise cybersecurity awareness and foster a stronger sense of accountability by improving cybersecurity training and communication.

DOE will reinforce alignment between these initiatives and agency IT security goals by tracking three enterprise IRM performance measures:

- **Cybersecurity Environment Purview:** Measure percentage of DOE environment and infrastructure that is monitored.
- **Enterprise Cybersecurity Health Score:** Track incident, vulnerability, patching, application, configuration, and financial cybersecurity metrics, in addition to compliance with cybersecurity standards and percentage of the DOE workforce that has received cybersecurity training.
- **Cybersecurity Capability Maturity Measure:** Measure the maturity of enterprise cybersecurity capabilities across ten domains: risk, asset, access, threat, situation, sharing, response, dependencies, workforce, and program management.

The information below supplements the FY 2014–2018 DOE IRM Strategic Plan in support of Requirements EXXA and EXXB:

- Since FY12, DOE has executed the Cybersecurity Cross Agency Priority (CAP) Goal program, which encourages greater fidelity and standardization of cybersecurity metrics reporting. Further, DOE complies with established security requirements for the protection and control of information, information systems, and matter required to be classified or controlled by statutes, regulations, and DOE Directives, including [DOE Order 205.1B, Department of Energy Cyber Security Program](#), and [DOE Policy 470.1A, Safeguards and Security Program](#). (EXXA)
- DOE continues to execute the Risk Management Approach (RMA) as defined in [DOE Order 205.1B, Department of Energy Cyber Security Program](#), which identifies how Senior Department Management (SDM) will define risk management for their programs to include continuity or operation and disaster recovery capabilities. (EXXB)

Workforce

Requirement FXXA: Summarize your agency's approach to IT human capital planning, including the ability to build a future ready workforce to support the agency's strategic goals and objectives.

Response FXXA: IRM Strategic Plan Goal 4 ("Investing in our workforce and partners") outlines DOE's plan to align IT workforce skills to support agency strategic goals and objectives. IRM Strategic Plan Goal 4 has three underlying Objectives that support Requirement FXXA:

- 4.1 Support the Department's information technology needs by building a talented, diverse workforce.
- 4.2 Enable the IT workforce to execute its responsibilities by providing useful, secure technology and processes.
- 4.3 Promote an enterprise approach to information sharing that will foster innovation by collaborating with government, industry, and academic partners.

For additional information on specific human capital initiatives in support of Requirement FXXA, refer to the [Office of the Chief Information \(OCIO\) FY14 Human Capital Management Plan](#).

Managing Information as an Asset

Requirement GXXA: Include how your agency will promote interoperability and openness throughout the information life cycle and properly safeguard information that may require additional protection. Specifically address how information collection and creation efforts, information system design, and data management and release practices will support interoperability and openness.

Response GXXA: The FY 2014–2018 DOE IRM Strategic Plan outlines DOE’s approach to strengthening corporate data and information management to promote interoperability and openness and enhance security. The following IRM Objectives support Requirement GXXA:

- 1.3 Ensure the availability of and access to information that enables consumers to make timely, informed decisions by strengthening corporate data and information management approaches.
- 3.1 Fulfill Federal security requirements by establishing standards and expectations for Departmental cybersecurity.

Requirement GXXB: Describe how your agency ensures that personal information, including personally identifiable information (PII) and controlled, unclassified information (CUI) is accessible only to authorized personnel and how frequently these controls are verified.

Response GXXB: The FY 2014–2018 DOE IRM Strategic Plan outlines DOE’s approach to protect the privacy and confidentiality of agency data. The following IRM Objectives support Requirement GXXB:

- 3.1 Fulfill Federal security requirements by establishing standards and expectations for Departmental cybersecurity.
- 3.2 Prevent and promptly resolve cybersecurity threats by strengthening Departmental situational awareness and incident response.

In addition, DOE has three privacy documents related to privacy compliance for automated collections of personally identifiable information (PII): Privacy Needs Assessment (PNA), Privacy Impact Assessment (PIA), and Systems of Record Notice (SORN). For additional information, refer to [DOE Privacy Program Directive, DOE O 206.1](#).

Commodity IT and Shared Services

Requirement HXXA: Describe your agency’s approach to maturing the IT portfolio, to include optimizing commodity IT (including data centers), rationalizing applications and adopting a service orientation approach.

Response HXXA: The FY 2014–2018 DOE IRM Strategic Plan outlines DOE’s approach to maturing its IT portfolio with a service oriented approach. The following IRM Objective supports Requirement HXXA:

- 1.2 Create new capacity through a network of DOE clouds that will achieve enhanced performance of information and IT solutions by integrating networks and services.

Requirement HXXB: Describe the agency’s plan to re-invest savings resulting from consolidations of commodity IT resources (including data centers).

Response HXXB: DOE’s 2012 IT Modernization Strategy established the foundation for consolidating DOE’s commodity IT resources. As of February 2014, DOE has closed six of its original 54 Federal data centers, and plans to close four more by FY15. In addition, DOE is in process of migrating the web-based electronic Capital Planning and Investment Control (eCPIC) tool from an internal environment to the General Services Administration (GSA) cloud environment, resulting in \$127,000 savings per year. Moving forward, DOE’s approach to generate savings for reinvestment will be guided by the FY 2014–2018 DOE IRM Strategic Plan. The following IRM Objective supports Requirement HXXB:

- 1.2 Create new capacity through a network of DOE clouds that will achieve enhanced performance of information and IT solutions by integrating networks and services.

The savings generated from ongoing and future commodity IT consolidation initiatives will be reinvested in new innovative technologies to support the advancement of DOE’s mission. DOE will track progress towards this effort through the following IRM performance measure:

- **Modernization Cost Savings Reinvested into DOE Mission:** Measure the amount of savings from modernization initiatives, such as implementation of shared services and reduction of redundant infrastructure, that are reinvested into the Department’s mission.

Requirement HXXC: Describe your agency’s approach to maximizing use of inter-and intra-agency shared services (such as those enabled by common platforms and lines of business) and shared acquisition vehicles for commodity IT, such as those determined by the Strategic Sourcing Leadership Council, in order to reduce duplicative contract vehicles.

Response HXXC: The FY 2014–2018 DOE IRM Strategic Plan outlines DOE’s approach to maximizing use of inter- and intra-agency shared services portfolio and shared acquisition. The following IRM Objectives support Requirement HXXA:

- 1.2 Create new capacity through a network of DOE clouds that will achieve enhanced performance of information and IT solutions by integrating networks and services.
- 2.3 Increase the efficiency of Department IT investments by streamlining IT acquisition and improving project management processes.

Accessibility

Requirement IXXA: Describe the agency’s approach to creating a diverse environment where individuals of all abilities can work, interact, and develop into leaders.

Response IXXA: The FY 2014–2018 DOE IRM Strategic Plan outlines DOE’s approach to developing an environment where individuals of all abilities can work, interact, and develop into leaders. The following IRM Objective supports Requirement IXXA:

4.1 Support the Department’s information technology needs by building a talented, diverse workforce.

The information below supplements the FY 2014–2018 DOE IRM Strategic Plan in support of Requirement IXXA:

- DOE’s [2012–2015 Diversity & Inclusion Strategic Plan](#) details DOE’s strategy for creating a diverse and inclusive workplace environment.
- [DOE Assistive Technologies Home Page](#) is utilized by DOE employees to obtain or exchange information about computer and related telecommunications accommodations to assist employees with disabilities. This service enables managers to hire and promote the best candidate for a position regardless of disabilities or impairments.

Requirement IXXB: Describe the agency’s approach to integrating accessibility considerations into the processes used in developing, procuring, maintaining, or using IT.

Response IXXB: All functional organizations within DOE have the responsibility and legal liability to ensure the development, procurement, maintenance, and use of IT comply with Section 508. Specific recommendations for assistive devices or applications are made after a personalized evaluation of the individual’s needs, organizational requirements, and workstation characteristics. The Department verifies interoperability of these recommendations through testing, research, and confirmation with vendors, suppliers, and manufacturers. To ensure compliance with Section 508, DOE utilizes “[Buy Accessible](#)” in its accessibility procurements. For additional information, refer to the [DOE and Section 508 webpage](#) and [DOE’s Acquisition Guidance on Electronic and Information Technology \(EIT\) Accessibility](#).

Requirement IXXC: Describe the agency’s approach to building workforce skills to support an environment where Section 508 requirements and responsibilities are well understood, communicated, implemented, and enforced.

Response IXXC: In support of OMB’s [Strategic Plan for Improving Management of Section 508 of the Rehabilitation Act](#), DOE has an active program in place to promote awareness of Section 508 requirements and responsibilities across the enterprise. Recent program accomplishments include the development of a [website](#) with accessibility information and resources, user-friendly accessibility checklists, and accessible web based templates. In addition, DOE has provided access to Section 508 requirement verification tools and training, and participates in the interagency Section 508 Working Group. To promote compliance moving forward, DOE will develop ongoing promotion plans to increase awareness of Section 508, organize accessibility forums for internal and external accessibility stakeholders, and incorporate accessibility clauses where appropriate to ensure compliance before contracts are awarded. DOE will also continuously update organizational procedures on accessibility.



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