Department of the Interior
IRM Strategic Plan

May 29, 2015
United States Department of the Interior

OFFICE OF THE SECRETARY
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To: Office of Management and Budget

From: Sylvia W. Burns, Chief Information Officer

Subject: DOI’s Information Resources Management (IRM) Strategic Plan

The U.S. Department of the Interior’s (DOI) IT Transformation, which began in December 2010, has evolved from the original framework where the Office of the Chief Information Officer (OCIO) is the sole provider of enterprise-wide commodity IT services. In this improved model the OCIO and designated DOI bureaus will serve as intra-agency shared service providers based on core capabilities. This evolved approach enables the Department to better leverage existing resources and competencies across the agency as we work to eliminate unnecessary duplication of effort and drive internal efficiencies.

To achieve these goals the OCIO will establish a commodity IT shared services operating model which includes the implementation and governance of these common activities. In support of this, the OCIO is working closely with every bureau and office to develop an Information Management and Technology (IMT) Strategic Plan. The new IMT Strategic Plan will align with budget and OMB planning requirements that tie to DOI missions, using the Balanced Scorecard methodology. The IMT Strategic Plan, which supports Federal Information Technology Acquisition Reform Act (FITARA), is expected to be completed by May 2016.

The IMT Strategic Plan is designed to define and communicate an informed strategy to integrate disparate efforts across DOI to achieve greater effectiveness, and to consolidate resources and services for greater efficiency. The IMT Strategic Plan will replace DOI’s current Information Resource Management (IRM) Strategic Plan. As a result of our IMT Strategic Planning efforts, DOI does not have any updates to our current IRM Strategic Plan. Once DOI’s IMT Strategic Plan is finalized, it will be submitted to OMB and we will replace our current IRM Strategic Plan.
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Executive Summary

The Department of the Interior (DOI), the agency responsible for managing America’s natural and cultural resources, operates on a $12 billion annual budget and generates billions of dollars in revenue each year. DOI is also accountable to the public for approximately $1 billion invested in information technology (IT). Historically, DOI’s Information Resource Management (IRM) programs have operated in a highly federated fashion with much of the management authority distributed throughout Bureaus and Offices. In December 2010, former DOI Secretary Salazar issued Secretarial Order 3309 to redirect the oversight, management, ownership, and control of IT infrastructure and the IRM areas contained in the Clinger-Cohen Act to the Department’s Chief Information Officer (CIO).

In January 2011, DOI began its IT Transformation (ITT) initiative, a multi-year effort intending to significantly improve the cost effectiveness of IT functions as well as shift from commodity-based technology management to service-based management. The DOI Office of the Chief Information Officer (OCIO) has been making steady progress toward realizing the vision of Secretarial Order 3309 and is transforming the perspectives of IT leadership from policy and oversight into department-wide holistic planning and execution.

This IRM Strategy is part of a series of OMB information requirements that help agencies continue to deliver effective IT services as they struggle to meet increasing demands for services with shrinking budgets. Requirements include: 1) the IRM Strategic Plan, which describes why DOI is modernizing its IT and ensures that IRM decisions are integrated with planning, budget, procurement, financial, human resources, and program management decisions; 2) the Enterprise Roadmap, which describes the current and future views of DOI’s business and technology environments and lays out DOI’s approach to achieving the strategic goals and objectives identified in the IRM Strategic Plan; and 3) the Integrated Data Collection (IDC), which reports progress in meeting IT strategic goals and objectives as well as cost savings and avoidances resulting from implementing IT transition plans identified in the Enterprise Roadmap.

This Strategic Plan supports DOI’s Strategic Plan as required in OMB Circular A-11. It is organized around the required elements of OMB Memorandum M-13-09, Fiscal Year 2013 PortfolioStat Guidance: Strengthening Federal IT Portfolio Management and covers a range of IRM topics beyond those typically considered strategic planning, including:

- Agency Strategic Goals and Objectives
- Improving Services to Customers
- Governance and Management Practices
- CIO Authorities
- Cyber Security Management
- Workforce
- Information Management
- Commodity and IT Shared Services
- Privacy
- Accessibility
2 Agency Strategic Goals and Objectives

The DOI operates based on a set of key principles and tenets that guide the efforts of 70,000 employees, volunteers, and other stakeholders that deliver a broad spectrum of services and programs. These principles serve as the standard of operations throughout DOI and ensure achievement of the highest of ideals while performing the mission.

Stewards of the Nation’s Natural, Cultural, and Heritage Assets

The DOI is committed to being an outstanding steward of approximately 500 million acres of public lands and 700 million subsurface acres including magnificent vistas, unique ecosystems, and treasured natural, cultural, and heritage assets. The management and oversight of these resources require a dedicated cadre of employees, the contributions of volunteers, and the input of stakeholders to inform decision making.

The challenges of managing for a diverse constituency while meeting national goals for energy development and sustaining high levels of recreation and access require technical expertise, the best available science, and a landscape-level understanding of the balance of development and conservation.

Effective and Efficient Operations

The DOI is committed to achieving effective and efficient management. Executives and managers rely extensively on collaboration and partnerships that leverage resources. The DOI utilizes an extensive framework of internal controls to protect against fraud and waste and implements recommendations from the Government Accountability Office and the Office of Inspector General. On an annual basis, DOI reviews program activities for opportunities to eliminate lower priority programs, re-engineer underachieving programs, and investigate new ideas to increase the effectiveness and efficiency of program delivery. Through the President’s SAVE awards program and other efforts that incentivize creative cost cutting, DOI is focused on specific management initiatives, which are described in greater detail in the DOI Strategic Plan.$^1$

Financial Integrity and Transparency

The DOI is committed to effective financial operations and accountability including high quality and timely reporting, robust internal controls, clean audits, and effective follow-up on audit and internal control findings. The DOI utilizes the Financial and Business Management System for the integration of business functions including budget execution, finance, acquisition, and others with single sign on, improved internal controls, a secure information technology environment, and a community of business innovation, efficiency, and transparency.

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Ensuring High Ethical Standards

Key to maintaining public trust and confidence in the integrity of government is the adherence of high ethical standards and ensuring that government business is conducted with impartiality and integrity. The DOI embodies this principle, follows the law and holds people accountable. Accountability is a key theme – DOI expects to be held accountable. The DOI does not tolerate lapses that detract and distract from good, honest service to the American people. Decisions are based on sound science and the best interest of the public. The Department promotes and supports transparency, accountability, and efficiency.

Making DOI the Best and Most Inclusive Place to Work in America

The DOI is committed to making the Department the best and most inclusive place to work. Changing demographics of the population, generational shifts, increased urbanization, and increased use of technology makes the management of a changing cadre of employees challenging. The DOI will foster an environment that is open and accepting of individual differences and encourages employees to maximize their potential and to provide quality public service. The DOI will ensure that policies, practices, and systems do not benefit any one group over another and that the differences that each employee brings to the Department are respected and can enhance the organization’s capacity, service, and adaptability.

Safety, Security, Preparedness, Response, and Recovery

One of DOI’s top priorities is to focus on safety, security, and preparedness activities. The DOI will uphold its responsibilities for protecting lives, resources, property, and the environment through a wide variety of program areas, including law enforcement, health and safety, security, aviation, environmental compliance and emergency management. The DOI will provide technical expertise and capability for interagency preparedness, response and recovery activities as defined in Presidential Policy Directive 8 and the five National Frameworks (Protection, Prevention, Response, Recovery, and Mitigation), and as required by other interagency plans such as the National Oil and Hazardous Substance Pollution Contingency Plan. The DOI resources are frequently called upon for wildland fire and oil spill response, public works and engineering activities, search and rescue operations, protection of natural and cultural resources and historic properties expertise, rebuilding after storm and hazard events, and law enforcement missions.

Interior has the third largest contingent of Federal law enforcement officers in the Executive Branch with 3,500 officers that patrol vast acres of federal lands, national parks, wildlife refuges, and Indian communities. To ensure DOI is prepared to meet its preparedness, response, and recovery obligations, the Department and Bureaus maintain plans for all-hazards to safeguard the environment.

Respecting Tribal Self-Governance
The DOI recognizes the importance of the nation-to-nation relationship with tribes and will continue to encourage tribal management of resources and self-determination; consultation and support for effective management of the tribal trust; and the need to uphold commitments to tribes and Indian communities. Building coalitions will be an important aspect of these principles, including respect for the viewpoints of the 566 Indian tribes and the importance of maintaining strong tribal communities.

Consultation is a key component of respecting Tribal self-governance and supporting the nation-to-nation relationship. The DOI upholds the principles set forth in the President’s Executive Order 13175 Consultation and Coordination with Indian Tribal Governments. All of DOI’s bureaus and offices operate under a policy consistent with the Executive Order that considers the impacts of policies, processes, rulemaking, and legislation regarding tribes and tribal communities.

International Engagement and Leadership

The DOI participates in the United States’ efforts to address climate change; protect biodiversity; sustainably manage energy, water, and natural resources; empower indigenous communities; protect cultural heritage; and ensure sound science as the basis for decision making. The resources for which DOI is responsible cross jurisdictional boundaries and DOI is a key player in the international community confronting the exploitation of natural resources, trade in wildlife, spread of invasive species, the arctic, and a multiplicity of scientific issues. The DOI is committed to maintaining its relevance and will engage in international efforts as a core mission responsibility, consistent with its unique expertise and mandate.

2.1 Strategic Plan Framework

DOI’s Strategic Plan for Fiscal Years 2014-2018 addresses six of the Secretary’s main priorities. These priorities are described below along with their goals:

- **Mission Area 1: Celebrating and Enhancing America’s Great Outdoors.** This mission area fosters the intrinsic link between healthy economies and healthy landscapes with goals and strategies to increase tourism and outdoor recreation in balance with preservation and enhancement of landscapes, rivers, ecosystems, wildlife habitat, and cultural resources. Collaborative and community-driven efforts are integrated throughout the goals and strategies, which incorporate the best available science.
  - Goal 1: Protect America’s Landscapes
  - Goal 2: Protect America’s Cultural and Heritage Resources
  - Goal 3: Enhance Recreation and Visitor Experience

- **Mission Area 2: Strengthening Tribal Nations.** This mission area builds upon progress made over the past four years establishing strong and meaningful relationships with tribes, strengthening the government-to-government relationships, delivering services to American Indians and Alaska Natives, and advancing self-governance and self-determination. It supports continuing efforts to restore tribal homelands, fulfilling commitments for Indian water rights,
developing energy resources, expanding educational opportunities, and assisting in the management of climate change.

- Goal 1: Meet Our Trust, Treaty, and Other Responsibilities to American Indians and Alaska Natives
- Goal 2: Improve the Quality of Life in Tribal and Native Communities
- Goal 3: Empower Insular Communities

- **Mission Area 3: Powering Our Future and Responsible Use of Our Resources.** In recognition of the significant role that DOI plays in securing an energy future for the Nation that is self-reliant and sustainable, this mission area promotes the President’s all-of-the-above energy strategy and takes a landscape level approach to energy development, modernizes programs and practices, improves transparency, streamlines permitting, and strengthens inspection and enforcement.
  - Goal 1: Secure America’s Energy Resources
  - Goal 2: Sustainably Manage Timber, Forage, and Non-Energy Minerals

- **Mission Area 4: Engaging the Next Generation.** For the health of our economy and public lands, it is critical that meaningful and deep connections be established between young people and the great outdoors. To address the growing disconnect between young people and the outdoors, the Department has developed goals and strategies to inspire millions of young people to play, learn, serve and work outdoors. These goals and strategies will leverage public-private partnerships and collaboration across all levels of government.
  - Goal 1: Create new, systemic opportunities for outdoor play
  - Goal 2: Provide educational opportunities
  - Goal 3: Provide volunteers on public lands
  - Goal 4: Develop the next generation of lifelong conservation stewards and ensure our own skilled and diverse workforce pipeline

- **Mission Area 5: Ensuring Healthy Watersheds and Sustainable, Secure Water Supplies.** This mission area recognizes the importance of water as the foundation for healthy communities and healthy economies and the challenges resulting from climate change, drought conditions, and increasing demand. The goals and strategies position DOI to work with states in managing water resources, raising awareness and support for sustainable water usage, maintaining critical infrastructure, promoting efficiency and conservation, supporting healthy rivers and streams, and restoring key ecosystems.
- **Goal 1:** Manage Water for the 21st Century
- **Goal 2:** Extend Water Supplies Through Conservation
- **Goal 3:** Availability of Water to Tribal Communities

### Mission Area 6: Building a Landscape-Level Understanding of Our Resources

A key component of DOI’s mission is providing applied and basic scientific research and the development of science products to inform decision making DOI’s Bureaus and Offices as well as local, state, national, and international communities. Harnessing existing and emerging technologies, DOI works to elevate understanding of resources on a landscape level, by advancing knowledge in the fields of ecosystem services and resilience, energy and mineral resource assessments, hazard response and mitigation, water security, climate change adaptation, and environmental health. DOI’s science agency, the U.S. Geological Survey, also generates essential scientific information and data that is used as the basis for decision making, including earth observation satellite imagery and stream gage and seismic data. DOI plans to leverage its role as the managing partner for the National Geospatial Platform to turn vast amounts of data into usable information and advance broader-based and more consistent landscape and resource management.

- **Goal 1:** Provide Shared Landscape-Level Management and Planning Tools
- **Goal 2:** Provide Science to Understand, Model and Predict Ecosystem, Climate and Land Use Change
- **Goal 3:** Provide Scientific Data to Protect, Instruct, and Inform Communities
- **Goal 4:** Provide Water and Land Data to Customers

In addition, the plan identifies management initiatives that focus on “Building a 21st Century Department of Interior”. DOI’s vision for a 21st Century workforce is one that includes highly skilled and diverse staff reflective of the Nation and is effectively and efficiently managed. Attainment of the Department’s strategic goals will be facilitated by the cross-cutting efforts that are highlighted below:

- **Management Initiative 1:** Build a 21st Century Workforce
- **Management Initiative 2:** Sustainability of Interior’s Operations
- **Management Initiative 3:** Dependability and Efficiency of Information Technology
- **Management Initiative 4:** Improve Acquisition and Real Property Management
- **Management Initiative 5:** Promote Small and Disadvantaged Business

Information technology supports every facet of DOI’s diverse missions. Employees, volunteers, and the public require modern, reliable, and agile IT services that can be delivered in a cost-effective and transparent manner. With its redirection of oversight, management, ownership, and control of all departmental IT infrastructure in the OCIO, Secretarial Order 3309 provided an unprecedented opportunity to change the organization, management approaches and governance of DOI’s IT.

### 2.2 Agency Strategic Goals and Objectives Supported by the IRM Strategic Plan (AXXA)
Information technology is a tool that supports the accomplishment of mission goals. Technology can significantly advance the effectiveness and efficiency of programs and help employees to be more productive. IT can also help DOI to address increasingly complex challenges in managing a large and geographically dispersed organization. The DOI’s vision is developing and providing the right mix of IT products and services at a lower cost while delivering greater service to employees and customers.

DOI is implementing a series of technology innovations and efficiencies to deliver improved services at a lower cost, including consolidation of infrastructure and shifting commodity technology services from in-house delivery mechanisms to capable external providers. These efforts will yield benefits in improved sustainability, reduced carbon footprint, and energy and efficiency savings.

The DOI CIO is committed to focusing efforts on strategic results and has developed a strategic and performance framework to achieve these results. The current components of that framework include the following.

Mission:

Provide outstanding leadership, tools and management necessary to enable the successful delivery of secure, responsive, innovative, mission-focused information resource management services efficiently and cost-effectively to the employees, Bureaus and Offices of DOI, our partners and the American public.

Vision:

We create, manage, and deliver valued information securely, efficiently, anytime, anywhere to improve the quality of DOI’s preservation, protection, and power services to the American people.

Shared Values:

The OCIO’s shared values include:

- Respecting and valuing employees: The talent, passion, and commitment of our employees are what make it possible for OCIO to provide organizational and service excellence. We strive to be an employer of choice to attract and retain the best workforce. We foster an inclusive and caring environment that encourages engagement, openness, learning, and growth by empowering employees and promoting a work/life balance.
- Mission-focused: OCIO exists to deliver excellent services to customers that enable the success of DOI’s missions. Our services and actions must be built with the participation and support of our program customers so that they are responsive to mission needs. We must seek out customer and stakeholder feedback to continuously improve what we do.
- Integrity: We conduct ourselves ethically and responsibly. Our high standards of conduct will be reflected in the quality of everything we do.
- Accountability: We take pride in, ownership of, and accountability for our actions to maintain the trust and confidence of those who depend on us as a service provider, corporate citizen of
the agency, or steward of taxpayer dollars. We make and keep our commitments to achieve results for the organization.

- **Openness and Transparency:** Honesty and openness to express differing opinions or share new ideas must always be honored so that we are able to consider constructive feedback or critiques and make changes if needed. This is part of building trust and confidence in our people, services, and organization.

- **Economy:** OCIO is a steward of customer resources and commits to managing its resources so that we use what we need and no more. We recognize that our reputation and trustworthiness is earned by demonstrating that we spend wisely to maximize value and return savings to the mission.

- **Excellence:** We strive for excellence in all that we do.

- **Innovation:** We stay tuned into meaningful new innovations from industry, government, or within the agency and introduce these into DOI as best makes sense for us. The world is constantly changing and we must always be open to adopting new ideas that benefit our missions and constituents.

DOI’s OCIO provides support to virtually all DOI strategic mission areas. Employees, volunteers, and the public require modern, reliable, and agile IT services that can be delivered in a cost-effective and transparent manner.

In line with the DOI Strategic Plan, OCIO identified five strategic themes, each with specific goals and objectives, and initiatives, linked to the Agency’s goals and objectives. These OCIO IRM Requirements are an internal scorecard to assess the DOI’s FY 2014 IT performance and serve as the OCIO’s submission to DOI’s annual Organizational Assessment. The FY 2014 IRM goals and key initiatives are identified in Table 1 along with their linkages to DOI’s strategic goals.

**Table 1: FY 2014 IRM Performance Goals and Initiatives**

<table>
<thead>
<tr>
<th>IRM Strategic Theme</th>
<th>IRM Goal &amp; Objective</th>
<th>IRM Initiative</th>
<th>DOI Strategic Plan Linkage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Achieve Financial Viability</td>
<td>Goal #1: Achieve long-term IT financial management excellence to secure the trust and confidence of our customers and stakeholders</td>
<td>Complete hosting study with targets for consolidation and strategy for workforce and begin to implement the recommendations from the Hosting Study</td>
<td>DOI Management Initiative 3, Dependability and Efficiency of Information Technology; Cross-cutting enabler of other DOI mission areas and strategic goals</td>
</tr>
<tr>
<td>IRM Strategic Theme</td>
<td>IRM Goal &amp; Objective</td>
<td>IRM Initiative</td>
<td>DOI Strategic Plan Linkage</td>
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</tbody>
</table>
| **Cross-agency Priority Goal (CAP): Cyber Security** | Goal #2: IT Contracts: Cyber Security  
Objective: Meet our IT regulatory and compliance requirements | Authority / AS-PMB Memo - dated June 26, 2013, Achieve the Administration’s Cross-Agency Priority: Cyber Security Goal, including strong authentication, trusted internet connections, and continuous monitoring (See Section 6, Cyber Security Management) | DOI Management Initiative 3, Dependability and Efficiency of Information Technology; Cross-cutting enabler of other DOI mission areas and strategic goals |
| **Build a 21st Century IT workforce** | Goal #3: Build a 21st Century IT workforce so that we can deliver world class IT services to DOI.  
Objective: Build a world class customer focused IT workforce  
Objective: Foster DOI as a results-oriented employer of choice for IT | Comply with the IT Hiring Control Memo (dated April 21, 2011)  
Bureaus and Offices comply with IT Acquisition Spend Plan Reporting guidance and ensure that IT items are approved by the OCIO prior to being contractually obligated. | DOI Management Initiative 1, Build a 21st Century Workforce |
| **Maximize Value of IT Investments** | Goal #4: Maximize the Value of IT Investments  
Objective: Establish an effective IT Investment management performance program | Implement improved investment management processes for performance-based decision making.  
Monitor, maintain and improve Departmental IT quality of OMB Exhibit 300 and Exhibit 53 data. (53 revised) | DOI Management Initiative 3, Dependability and Efficiency of Information Technology; Cross-cutting enabler of other DOI mission areas and strategic goals |
| **Deliver Enterprise Records Management Services** | Goal #5: Transform IT so that we can better support the DOI mission  
Objective: Design & deliver leading edge mission-oriented services that allow access to information with state of the art, commodity IT tools from | Ensure adherence to Departmental Records Management Program | DOI Management Initiative 3, Dependability and Efficiency of Information Technology; Cross-cutting enabler of other DOI mission areas and strategic goals |
During FY 2014 and beyond, DOI will continue to implement a series of technology innovations and efficiencies as part of the ITT initiative and mission support. The current ITT initiative priorities include Enterprise Directory Services, Strategic Sourcing, Information Assurance/Cyber Security, and Hosting Services.

In FY2013, DOI began several 5-year segment roadmap initiatives that crossed Mission, Support Services, and IT Infrastructure Domains. The resulting roadmaps identify business needs, improvement opportunities, and transition plans with projects and milestones. Many of those roadmaps are complete and are in their first year refresh cycle. The roadmap initiatives, along with their linkage to IRM and DOI goals are listed in Table 2.

<table>
<thead>
<tr>
<th>IRM Goal &amp; Objective</th>
<th>IRM Roadmap Initiatives</th>
<th>DOI Strategic Plan Linkage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal #5: Transform IT so that we can better support the DOI mission</td>
<td>Five Year Mission Domain Segment Roadmaps Environmental Management Roadmap</td>
<td>DOI Mission Area 5, Ensuring Healthy Watersheds and Sustainable, Secure Water Supplies</td>
</tr>
<tr>
<td>Objective: Design &amp; deliver leading edge mission-oriented services that allow access to information with state of the art, commodity IT tools from any place, anytime, securely</td>
<td>Wildland Fire Roadmap Off Shore Oil and Gas Roadmap (Technical Information Management System)</td>
<td>DOI Mission Area 3, Powering Our Future and Responsible Use of Our Resources, Goal 2: Sustainably Manage Timber, Forage, and Non-Energy Minerals</td>
</tr>
<tr>
<td></td>
<td>Five Year Support Services Domain Segment Roadmaps Financial Management Roadmap Planning and Budgeting Roadmap Revenue Collection Roadmap Human Resources Management Roadmap</td>
<td>Management Initiative 2 Sustainability of Interior’s Operations DOI Management Initiative 3, Dependability and Efficiency of Information Technology; Cross-cutting enabler of other DOI mission areas and strategic goals</td>
</tr>
<tr>
<td></td>
<td>Facilities Maintenance and Management Roadmap (FM&amp;M)</td>
<td>Management Initiative 4 Improve Acquisition and Real Property Management</td>
</tr>
</tbody>
</table>
IRM Goal & Objective | IRM Roadmap Initiatives | DOI Strategic Plan Linkage
--- | --- | ---
Geospatial Roadmap | Mission Area 6, Building a Landscape-Level Understanding of Our Resources, Goal 1, Provide Shared Landscape-Level Management and Planning Tools
Five Year IT Infrastructure Domain Segment Roadmaps (See Enterprise Roadmap) IT Asset Management Roadmap IT Transformation Services | Management Initiative 4 Improve Acquisition and Real Property Management DOI Management Initiative 3, Dependability and Efficiency of Information Technology
USGS Digital Science Delivery Initiative | Mission Area 6, Building a Landscape Level Understanding of our Resources, Goal #3, Provide Scientific Data to Protect, Instruct, and Inform Communities

All roadmap initiatives are described in detail in the Enterprise Roadmap.

### 2.3 Advancing Strategic Goals and Objectives (AXXB)

The DOI Strategic Plan for Fiscal Years 2011 – 2016 identified three performance measures linked to Mission Area 5, Building a 21st Century Department of the Interior, Goal #4, Dependability and Efficiency of Information Technology, that were the responsibility of the OCIO. The DOI FY 2013-2014 Annual Performance Plan and Report (APP&R) presents the performance targets for FY 2013, and the budget year, FY 2014, along with related resource allocations; program contributions; and Bureau-specific performance measures and milestones corresponding with achievement of the Strategic Plan goals. The performance measures and targets are shown in Table 3.

**Table 3: FY 2013 IRM Performance Scorecard**

<table>
<thead>
<tr>
<th>DOI Strategic Plan Performance Measures</th>
<th>2012 Target</th>
<th>2012 Actual</th>
<th>2013 Target</th>
<th>2014 Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent change in operating costs (as a percentage of total IT spending as reported in Exhibit 300) by consolidating and centralizing the IT infrastructure across the Department, as measured by the reduction in the number of data center facilities, servers, and telecom</td>
<td>No Target</td>
<td>No Actual</td>
<td>No Target</td>
<td>No Target</td>
</tr>
</tbody>
</table>
As documented in the DOI FY 2013-2014 APP&R, DOI has not established target measures for the reduction in operating costs for FY 2013 and FY 2014. However, DOI began tracking and reporting IT cost savings and avoidance to OMB in FY 2011. In January 2011, DOI began the ITT initiative, transforming how IT is designed, priced, and delivered to its customers in achieving DOI’s missions. Modernizing an aging and duplicative IT infrastructure and re-aligning resources to better serve customers is crucial for long term success. As a result, DOI has committed to the Office of Management and Budget (OMB) to realize cumulative savings of $500 million from 2016 to 2020. In FY 2013, OCIO released its ITT strategic plan and began execution. DOI submits quarterly cost savings and avoidance data to OMB through the PortfolioStat Integrated Data Collection required by OMB Memorandum M-13-09, “Fiscal Year 2013 PortfolioStat Guidance: Strengthening Federal IT Portfolio Management.”

ITT has already achieved some key foundational successes, resulting in cost savings/avoidances. These successes, such as awarding a Foundational Cloud Hosting Services contract in 2013, and other, pave the way for additional efficiencies.

In March 2012, OMB updated the definition of a data center to remove any language that excluded sites less than 500 sq ft. Based on this definition update, DOI re-baselined its current Data Center inventory to 406 sites from the original metric of 210 data centers. As a result, the original metric has been updated and DOI is now committed to consolidating 95 data centers. DOI is on target to complete the consolidation of the 95 data centers by the 1st quarter of FY 2015. An additional initiative to close 40% of DOI non-core data centers is also being assessed by DOI and is awaiting further OMB guidance and direction. DOI has been proactively working with subcomponent organizations to perform an initial identification of DOI’s non-core data center candidates for closure.

DOI’s Unified Messaging effort experienced a significant re-baseline in FY 2012 following the resolution of Federal Claims Case Number 10-743C, which prohibited the agency from acting on a planned procurement of cloud email services. With resolution of the lawsuit, DOI shifted its focus from implementing a Unified Messaging model predicated on delivering an on premise, "interim" solution to instead conducting new market research, determining that cloud-based email services best met the
agency's need, and issuing a new Request for Proposal (RFP). DOI awarded a new contract for cloud-based email services in April 2012, rebaseline its Unified Messaging project, and began migrations to the cloud-based system in late FY 2012. As a result, prior-year reporting and metrics for the agency's Unified Messaging project do not apply. Despite the significant change in scope these efforts suggest, at the close of FY 2012, DOI had migrated 2,400 of its key IT staff to the new cloud-based solution.

As FY 2013 began, significant migration activities were underway, and all DOI employees in the Department were migrated by January 2013. With everyone now on one system, intra-department communication has been enhanced as new email, calendaring, and collaboration capabilities gain wider use. Indeed, an employee survey indicated that 62% of survey participants rated the new system a "3" or higher on a scale from 1 to 5, with 5 being the most satisfied. The email component rated at 69% viewing it as “Very Easy” or “Easy” to use, giving the email application the overall highest ease of use rating among all of the features.

OCIO is committed to supporting these cross-agency strategic measures. Other strategic actions planned include:

- Continue execution of the detailed IT Transformation plan;
- Continue establishing an IT workforce plan that positions DOI to effectively deliver IT services in a consolidated IT environment;
- Operate the Tier III email support which has been integrated with the OCIO’s service delivery organization;
- Implement selected commercial and government hosting options, including cloud and virtualization;
- Continue to evaluate data centers and applications as part of ongoing identification of candidates for consolidation;
- Continue reduction of redundancies and duplicative services at 18 collocated sites, including telecom data circuits;
- Continue engagement of commercial and government service providers to provide consolidated infrastructure services, such as asset management and other services (Financial and Business Management System (FBMS), the DOI SAP application, and the Single Platform Maximo application will be fully migrated to the cloud service provider); and
- Operate published service catalog IT services which have been placed into production, using established cost models.

While IT activities are frequently beset by risk given the nature of innovation and rapid change, the following specific risks are highlighted for their potential impacts on the realization of established goals and objectives:

- Sequestration and the resulting reduction of resources directly impact our ability to meet our financial goals. While the exact impacts are yet to be determined, they pose a direct challenge and risk;
- Geographically dispersed and independent IT infrastructures in multiple Bureaus and Offices;
- Lack of centralized control over IT spending and development; and
- Internal organizational resistance to change.
3 Improving Services to Customers

DOI has adopted a service delivery model based on industry standard IT Service Management (ITSM) best practices. Customer input is directly integrated into all phases of DOI’s service delivery framework from initial strategy to decommissioning, and OCIO is applying a Balanced Scorecard approach to performance management for all Enterprise IT Services. A major component of the ITSM framework is Continual Service Improvement (CSI). The CSI processes are designed to collect and consolidate input from customer advisory boards and major stakeholder groups, data from capacity and demand management systems, Enterprise Service Desk reports, and various other feedback mechanisms to help determine needs for new services as well as to improve services already delivered by the Enterprise.

3.1 Measuring Customer Use and Satisfaction through Analytics (BXXA)

DOI’s OCIO has multiple ongoing sources to obtain customer input into our existing and planned IT services. From in-person meetings to inbox analysis, these sources provide an inclusive overview of customer satisfaction. Primary sources of input are regularly scheduled meetings with IT leaders from across the agency that represent IT needs for each of DOI’s Bureaus and Offices. In addition to these weekly meetings, non-IT executives from across DOI participate in monthly IT Transformation Executive Steering Committee (ITT ESC) meetings and quarterly meetings with Bureau Deputy Directors to make sure we are engaging stakeholders at multiple levels.

In order to maintain an on-going pulse on the day-to-day status of customer satisfaction, direct engagement with customers through dedicated email accounts and regular reports from DOI’s various help desk organizations are used to provide quantitative measurements of customer usage and satisfaction levels. The OCIO’s Chief Management Officer (CMO) office also facilitates annual Town Hall meetings to provide an opportunity for all employees to hear directly from Senior IT leaders as well as to provide additional input and feedback to the organization.

The Interior Business Center (IBC) operates as a Shared Service Provider and continues to streamline internal processes by using technology to improve our human resources management and financial services as well as extend these improvements to other Agencies through the Human Resources Management (Line of Business) LOB and the Financial Management LOB. IBC Human Resources Directorate (HRD) has provided payroll and HR services to Federal agencies for 33 years and provides a full range of technical and operational human resources and payroll services to numerous organizations throughout the Federal government. IBC HRD was selected as an e-Payroll provider in 2002 and later awarded their HR LOB Shared Service Provider designation in 2005 as part of the consolidation of human resources services and technology across the Federal government. IBC HRD currently serves 89 customers, 41 of which use IBC’s core systems.
The Office of Personnel Management (OPM) launched the Human Resources Line of Business (HRLOB) initiative in 2004 to help the Federal government realize the potential of electronic government and significantly enhance human resources service delivery for civilian employees of the Executive Branch. The HRLOB established the HRLOB Provider Assessment to provide an appropriate degree of oversight and meet customer requirements while imposing a practical level of effort on the part of assessment participants. The assessment is not intended to yield a score; rather, it shows how many practices are effectively employed by HRLOB service providers and how many are not. This approach is meant to shift the focus from a finite final score to a view of HRLOB provider practices, revealing the extent to which they are employing business practices that are important to their customers and whether they are making their customers aware of their business practices. A key aim of the assessment is to offer feedback so HRLOB service providers can take actions to improve both their practices and their feedback loops to customers.

The assessment was led by OPM, which fulfilled a key responsibility of its role as Managing Partner of the HRLOB by providing an appropriate level of oversight to HRLOB service providers. The assessment was performed for IBC, an HRLOB designated service provider, and took place from May 2011 to September 2011. IBC HRD was assessed on its ability to deliver on twenty different business practices that HRLOB customers determined to be important, including a strong commitment to customer service. Customers play a primary role in governance by participating in various workgroups, user groups, and executive committees. IBC takes customer feedback into account when making important business decisions, including plans for system changes and updates, terms specified in Service Level Agreements (SLAs), and decisions about bringing in new customers. As new customers are accepted, IBC practices an implementation approach that balances addressing new customer requirements against meeting and delivering on existing customer requirements.

This assessment applies to services and systems in IBC’s Human Resources Directorate. The assessment was based on business practices that are considered important by customers of HRLOB service providers. These customers also developed for each practice a set of assessment questions that are meant to illuminate the extent to which a provider is successfully executing these practices. The practices and questions form the basis of the HR LOB Provider Assessment. Over the course of the assessment period, the assessment team employed a number of formal data collection methods. An online questionnaire was used to obtain data from customers. Follow-up interviews were conducted with

"Considering the assessment results across all assessment categories, NBC is doing an outstanding job, and customer feedback was consistent across all assessment categories. NBC has developed a clear and defined strategic vision – “to be the HR Shared Service Center (SSC) provider of choice in the federal marketplace” – that drives all NBC processes and roadmap activities. This vision is the key to NBC’s drive toward continuous improvement. NBC has developed strong customer relationships, and through their broad governance process enables customer involvement in key decisions.”

- OPM Human Resources Line of Business Provider Assessment Report, September 2011
some customers to obtain additional qualitative information. Information from IBC was obtained via formal interviews. To address customer concerns, IBC implemented the HRD Customer Satisfaction Improvement Plan, which identifies action plans, milestones, deliverables, and responsible parties that report on action items to management. IBC proactively reaches out to customers through multiple methods including their User Group meetings, one-on-one meetings, and phone calls or visits from the client liaisons.

3.2 Improving Usability, Availability, and Accessibility of Services (BXXB)

Facilitation and management of the organizational customer service improvement and performance management processes is a primary responsibility of the OCIO’s CMO organization. This includes a Customer Management Division, a customer-facing organization that manages the various customer advisory boards and coordinates collection and consolidation of all customer feedback data. The Customer Management Division is also responsible for actively engaging customers to solicit feedback and quickly address high-impact issues in order to maintain the highest levels of customer satisfaction possible.

3.3 Advancing Agency Performance Goals (BXXC)

The Office of the Chief Management Officer also includes a Performance Management Division which is responsible for oversight and guidance for performance management activities across the organization. This includes ensuring that the organization is adhering to the DOI Service Delivery Framework and integrating the appropriate performance measures into all phases of the service delivery lifecycle as well as to ensure that all facets of the Balanced Scorecard methodology are incorporated when developing performance metrics for Enterprise IT Services. The Performance Management Division is also responsible for management and tracking of all scorecard activities along with reporting of performance metric data across the organization.

Tools, including the American Customer Satisfaction Index (ACSI), are used by IBC to benchmark against industry standards, and findings have aided IBC in the development of their performance improvement goals. IBC is also ISO: 9000 certified and looks to ISO: 9000 procedures for best practices to include in the IBC security procedures. IBC is the only HRLOB shared service center that provides a fully integrated human resources and payroll solution to their customers. IBC uses industry-based best practices and open standards-based best practices as a basis for up-to-date integration and interoperability standards and guidelines. Employing these practices enables IBC to have a portable, agile, and technology-agnostic technology platform that supports their fully integrated HR system. Furthermore, IBC uses their Human Resource Management Suite HR System Integration Framework (HRMS HR SIF) to connect HR systems hosted by IBC, partner vendors, and customer agencies through a set of HR related business process workflows, business rules, event rules, and routing rules. The underlying technology of HRMS HR SIF is a portal, enterprise service bus, and workflow server.
4 Governance and Management Processes

Today’s fiscal realities force DOI to consider new ways of supporting business and IT Transformation. The IT Transformation is not just concerned with cost, schedule, and performance requirements. It is also focused on increasing DOI’s capacity to adapt IT infrastructure services to changing circumstances while still executing and enhancing its mission-critical activities. To make sound and timely transformational decisions, senior DOI leadership requires deep insight into DOI’s mission, support service and infrastructure capabilities, and their respective performance levels and costs.

4.1 Scope of Governance Process (CXXA)

Central to effective IRM governance is the establishment of a clearly defined IT decision-making framework. Secretarial Order 3309 radically changed the scope of IT authorities from a decentralized delegation within the Bureaus and Offices to a centralized model under the DOI CIO. Component CIOs no longer exist within DOI. This consolidation of authority over IT positioned the DOI CIO with responsibilities and authorities to improve the operating efficiencies of organizational sub-components and DOI as a whole.

To improve IT governance practices and to close gaps or weaknesses that have been identified through this process or others, a target governance model for managing DOI’s IT investment portfolio is being established to enable improved organizational performance, eliminate unnecessary duplication, and realize cost savings. The outcome of the target IT governance model includes collaborative management, with IT investment decisions being made by the business owners with approval by executive committees as appropriate. It also involves IT decisions being directly linked to the management and business needs of the organization. This new model will enable key stakeholders, such as the DOI CIO, in collaboration with the Chief Acquisition Officer (CAO), the Chief Financial Officer (CFO), and Chief Human Capital Officer (CHCO), to be engaged in the governance process and increase Bureau and Office representation within line of business segment roadmap efforts supporting each of three primary domain boards. The three primary domain boards are the Mission, Support Services, and IT Infrastructure boards. These domain boards increase Bureau and Office participation in investment planning and decision-making through the development of segment roadmaps. Segment roadmaps serve as high-level strategic investment plans for managing all related, domain-specific, major and non-major investments across DOI.

DOI’s IRM governance is focused on measuring IT value, ensuring mission and business effectiveness, enabling data-driven decisions around commodity IT investments, and setting clear targets for IT spend reductions and consolidations. DOI’s IRM governance reform efforts also supports overcoming bureaucratic impediments to deliver enterprise-wide solutions that can drive down costs and achieve great efficiencies.
4.2 Involvement of Agency Stakeholders (CXXB)

The current DOI IRM Governance Framework is shown in Figure 1. The governance boards depicted in Figure 1, and associated processes, provide a mechanism to advise and consult the DOI CIO in making informed decisions regarding the IT investment portfolio. Through higher level governance boards, the Principal Operating Group (POG) and the Deputies Operating Group (DOG), DOI Bureau and Office executive management provide strategic consultation based upon the breadth of their management functions spanning financial, human capital, facility management, etc. Lower level governance boards and Roadmap teams, include Bureau and Office mission and business area representatives, as well as subject matter experts. This representation is to ensure that investments address mission and business area needs and Bureaus and Offices are involved with and can influence decision-making.

Additional detail on the composition and roles and responsibilities of each board is provided below.
The **Principals Operating Group (POG)** is chaired by the Deputy Secretary and is comprised of DOI’s Assistant Secretaries, Bureau Directors, and members of the Secretary’s staff. The POG replaced DOI’s former Management Excellence Council (MEC). The POG is responsible for improving the transparency, efficiency, effectiveness, and accountability of Departmental management and operations.

The **Deputies Operating Group (DOG)** is chaired by the Assistant Secretary of Policy, Management and Budget (PMB), who serves officially as DOI’s Chief Financial Officer (CFO), Chief Human Capital Officer (CHCO), and Chief Acquisition Officer (CAO). The DOG membership is comprised of the Deputy Bureau Directors and PMB’s Deputy Assistant Secretaries. The DOG supports the POG by serving as a forum for initiating, recommending, planning, prioritizing, and implementing the President’s and the Secretary’s management and administrative goals and policies.

The **iStat Executive Committee (IEC)** is chaired by the DOI CIO, who provides direct oversight over the entire DOI IT portfolio for the Secretary. The IEC is the Department-level IT investment review board.

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**Figure 1: Current DOI IRM Governance Framework**
Currently the IEC membership also includes the DOI’s Deputy Assistant Secretaries for: 1) Technology, Information and Business Services; 2) Budget, Finance, Performance, and Acquisition; 3) Human Capital and Diversity; and a single rotating member from the Mission domain (rotating on an annual basis). IEC membership includes two members from the three primary governance boards to ensure Bureau and Office participation in investment portfolio decision-making.

The iStat Analysis and Review Board (IARB) is chaired by the Associate Deputy CIO for Policy, Planning and Compliance and is comprised of the A-130 functional managers and working group members. The iStat Advisory and Review Board is designed to improve the performance and accountability of IT investments by providing a comprehensive review, determining compliance with regulations and standards, identifying and recommending adjustments to address duplication or redundancy within the enterprise, recommending the elimination of wasteful or low-value investments, and recommending appropriate corrective actions that mitigate risks. These recommendations are elevated to the IEC.

As aforementioned, Bureau and Office needs and priorities are communicated through three primary domains: 1) Mission, 2) Support Services, and 3) IT Infrastructure. The goal in all domains is to drive enterprise IT decision-making within specific, cross-cutting business segments rather than within DOI’s formal organizational structures. This will help DOI to reduce unnecessary duplication in IT investments, establish enterprise-wide solutions, and improve overall performance.

The Geospatial Advisory Council (GAC) is chaired by DOI’s Geospatial Information Officer and is comprised of a senior geographic information officer from each Bureau and Office or designated representatives knowledgeable in the use of geospatial data and technologies. The GAC is chartered under the direction of the DOG and advises senior leadership on the strategic application of geospatial data, technology, and tools and the facilitation and coordination of the sharing of geospatial information and activities across the Department.

The IT Transformation Executive Steering Committee (ITT ESC) is chaired by the DOI CIO and is comprised of Bureau and Office Chief Financial Officers (CFOs). The ITT ESC reports directly to the DOG and provides direction and oversight of IT Transformation and activities related to the consolidation of IT infrastructure. The ITT ESC is an interim advisory board focused specifically on DOI’s IT Transformation initiative.

DOI has not completed implementing all components of the IRM Governance Framework, including establishing the Mission and IT Infrastructure boards and initiating roadmaps for all business segments. With this governance structure, the DOI has established an effective structure to manage key investment decisions and align these decisions to critical business and strategic needs. A summary of the decision types associated with each governance board is provided in Table 4.
Table 4: Governance Board Key IT Decisions

<table>
<thead>
<tr>
<th>Governance Board</th>
<th>Key IT Decisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>POG and DOG</td>
<td>Sets priorities of the President’s and the Secretary’s program, management, and administrative goals and policies; and Provide advice and consultation on IT Investment portfolio.</td>
</tr>
<tr>
<td>iStat Executive Committee (IEC)</td>
<td>Alignment of IT strategic objectives with DOI mission goals; Allocation of IT resources to IT strategic objectives; Review and approval of DOI IT portfolio; Decisions for the existing IT investments based on performance and priorities; Selection of new IT investments; and Evaluation of investment selection – “are we doing the right things?”</td>
</tr>
<tr>
<td>iStat Advisory and Review Board (IARB)</td>
<td>Evaluation of IT investment performance including cost, schedule, IT service levels, and compliance with Federal laws, regulations, and policies - “Are we doing the right things right?”</td>
</tr>
<tr>
<td>IT Governance Domains</td>
<td>Recommendations of domain-specific investment proposals; and Recommendations of cost savings and efficiencies for investments across lines of business.</td>
</tr>
</tbody>
</table>

4.3 Valuation Methodology (CXXC)

In general, the criteria used for investment and system valuation to identify wasteful or low-value investments and for targeting duplicative systems is defined by the stakeholders performing the analysis. Depending on the perspective of the analysis being performed, whether it is Bureau, LOB (cross-Bureau and Office), OCIO, DOI, or Federal-wide, the relevant goals and objectives are taken into account as a value measure. Cost, schedule, and time to realize value are all widely utilized.

Bureaus and Offices each have their own investment review boards (IRBs) and leverage investment and system valuation models when making recommendations to leadership within their respective Bureaus and Offices on wasteful or low-value investments. At the Department level, DOI has historically leveraged investment and system valuation models across Bureau and Office portfolios. However, due to a number of factors inclusive of governance challenges and subsequent transition to the target state governance model, the use of these models is being folded into lower level governance processes. Specifically, LOBs are beginning to use valuation models during the development and maintenance of segment roadmaps. An example of this is the Workplace Computing Services (WCS) prioritization. The WCS team established an ITT performance-driven prioritization framework to measure the ITT efforts...
and ensure priorities were aligned with ITT goals and expected outcomes and supported by successive versions of architectures, plans, and solutions.

4.4 Alignment with DOI Goals and Priorities (CXXD)

On an annual basis, during the development of the IT budget, DOI leverages a budget formulation form to collect information from the Bureau and Office investment and system owners with regard to the alignment of their investment or system with the DOI mission and business functions. In addition, the Enterprise Architecture Program is responsible for mapping all investments to the OMB Business and Performance Reference Models and the DOI Business Model. This ensures that mapping of DOI’s investments to the DOI mission and business functions are performed consistently across the entire portfolio. Bureaus and Offices are provided the ability to request adjustments or changes to the mapping of their investments. In addition, during the development and maintenance of LOB segment roadmaps, segment leadership and the roadmap support team ensure that the investments and systems are accurately aligned with the LOB business functions and DOI strategic goals.

4.5 Investment Assessment Process (CXXE)

The framework that is generally leveraged for all investment and system valuations and was specifically used for WCS is represented in Figure 2 below.

4.6 Investment Decision Coordination (CXXF)

Investment decision coordination takes place at the lower level of governance. When the IRM Governance Framework, described above, is fully operational, DOI business-driven IT needs and priorities will be communicated into the Capital Planning and Investment Control (CPIC) process and policies through three primary domain boards: 1) Mission; 2) Support Services (SSB); and 3) IT Infrastructure. These domain boards increase Bureau and Office participation in investment planning and decision-making through the development of Segment Roadmaps. Segment Roadmaps serve as high-level strategic investment plans for managing all related, domain-specific, major and non-major investments across DOI. The resulting roadmaps prioritize investments and propose recommendations for the future of the portfolio to the iStat Executive Committee (IEC). Each Segment Roadmap team has DOI executive sponsors and is comprised of Bureau and Office
functional experts. A detailed discussion of the Segment Roadmap process is provided in the Enterprise Roadmap.

4.7 IT Strategic Sourcing Plan (CXXG)

As the IT community identifies what would be potential opportunities for strategic sourcing, the OCIO must engage the acquisition community to develop an acquisition strategy. As part an acquisition strategy development, the OCIO and acquisition community need to secure and analyze data on existing contract vehicles (Government-wide Acquisition Contracts (GWACs), DOI-wide, Bureau-wide) that could be utilized or need to identify the parameters of existing contracts in determining path forward (i.e., contract length, commodity/service). This will help to identify use of existing vehicles or the need for development of new vehicles for DOI.

Initial Strategic Sourcing Targets

Initial analysis and discussion with Bureau IT leaders targets the following areas of focus for ITT Strategic Sourcing initiatives. More in-depth analysis of the business and technical requirements is necessary in order to finalize target sourcing opportunities. Table 5 presents initial strategic sourcing areas for consideration.

<table>
<thead>
<tr>
<th>Telecommunications</th>
<th>Hosting Services and Workplace Computing</th>
<th>Account Management</th>
<th>Enterprise Service Desk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellular Services</td>
<td>Enterprise Hardware</td>
<td>Identity Management and Access Control</td>
<td>Enterprise Service Desk CRM/Software</td>
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<tr>
<td>Voice</td>
<td>Laptop, Desktop, Monitors,</td>
<td></td>
<td>Enterprise Service Desk Services</td>
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<tr>
<td>Voice Conferencing</td>
<td>Storage Area Network Servers</td>
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<td>PBX</td>
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<td>VOIP</td>
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<tr>
<td>Handsets</td>
<td>Enterprise Software</td>
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<tr>
<td>PRI Circuits (PRI = Primary Rate Interface)</td>
<td>Hosting Services</td>
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<td></td>
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<tr>
<td>Maintenance</td>
<td>Application Hosting</td>
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<tr>
<td>Video</td>
<td>Professional Services</td>
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<tr>
<td>Software</td>
<td>Enterprise Architecture/</td>
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<tr>
<td>Hardware including</td>
<td>Strategic Planning</td>
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<td></td>
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<tr>
<td>Bridges and Switches</td>
<td>Camera</td>
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<tr>
<td>Cameras</td>
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Table 5: Initial Strategic Sourcing Areas for Consideration
<table>
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<th>Hosting Services and Workplace Computing</th>
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</tr>
</thead>
<tbody>
<tr>
<td>TelePresence PRIs</td>
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<tr>
<td>Maintenance</td>
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<tr>
<td>Local Area Network</td>
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<td></td>
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<tr>
<td>Hubs, Switches, Routers</td>
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<tr>
<td>Wireless Access Points (AP)</td>
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<td></td>
<td></td>
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<tr>
<td>Maintenance Software</td>
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<td></td>
<td></td>
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<tr>
<td>Wide Area Network</td>
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<tr>
<td>Circuits</td>
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<tr>
<td>Routers, Switches</td>
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<tr>
<td>Maintenance</td>
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<tr>
<td>Radio</td>
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<tr>
<td>Radio (Devices, Hardware)</td>
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In evaluating strategic sourcing opportunities, DOI collects data from each Bureau and Office categorically by each ITT Area, product service type, and alignment to the IT Portfolio. This is the early phase of the roadmap and approvals of the acquisitions are mostly favorable because executable ITT solutions are pending. Afterwards, DOI extracts data that lists common solutions acquired throughout DOI, highlights solutions that can be leveraged or eliminated as enterprise solutions become available, and then makes the determination to pursue certain strategic sourcing initiatives.

In implementing a strategic sourcing initiative, DOI follows the general approach as listed below:

- Develop managed service model;
- Determine funding model to be used for maximum savings;
- Streamline and align reporting methods to achieve consistency and avoid redundancy;
- Centrally post enterprise solutions on the portal;
- Issue policy on the mandatory use of enterprise solutions;
- Phase-out of the process to review IT acquisitions that can be acquired from enterprise solutions; and
- Monitor the success of the managed service model.
The outcomes presented in Figure 3 enable the fulfillment of the organizational change model illustrated in the ITT Strategic plan.

**FY2012**
Refine the process, provide hands-on training, support, change the expectations and behavior in managing IT Acquisitions.

**FY2013**
Cross-reference the CPIC roadmap for prioritizing and leveraging enterprise solutions and define a funding model.

**FY2014**
Default to the use of a funding model for enterprise solutions (e.g., WCF-C vs WCF-D for shared services).

**FY2015**
Shift the focus to catalog purchases, phase-out IT Acquisition reporting, excluding waiver requests.

**FY2016**
Reduce the operating costs by -4% per DOI Strategic Plan.

**Figure 3: Annual Improvement of Strategic Sourcing**

**Strategic Sourcing Process and Evaluation**
Consistency of approach is important to realizing the overall strategic sourcing vision. DOI has established a basic repeatable process for strategic sourcing. Figure 4 is an illustration of the major milestones are can be resued when planning for most enterprise solutions.
In addition to the basic repeatable process, DOI has adopted a decision making process for evaluating potential opportunities for strategic sourcing. This decision making process is presented in Figure 5.
As Bureaus and Offices transition their assets to data centers, will assets be provided through shared services? If so, when?

What are the compatibility issues to DOI's customers if installed based solution is replaced?

Are mission-specific investments limited to developing or maintaining the application?

Which dependent solutions impact the solution under consideration?

When will dependent solutions impact the solution under consideration?

Are the hardware, software and support services needed to operate mission-specific applications included in shared services? If not, what?

What methodology will be used to determine how related solutions will be integrated?

In order to plan cost savings and align to service delivery models, when will an asset management solution be required and implemented?

Which alternative services is DOI ready to implement and when?

**Figure 5: Decision-Making Process for Strategic Sourcing**
5 CIO Authorities

5.1 Implementing CIO Authorities through Agency Policies and Procedures (DXXA)

The DOI CIO has the critical authorities currently available through law and policy. However, complex management models and extra layers of bureaucracy impede his ability to execute effectively and efficiently. Impediments to Agency CIOs’ ability to execute on the demands of 21st century management challenges can be overcome through direct line authority of IT budgets and control of IT staff. Significant opportunities for improvements in cost efficiency and interoperability of information management will remain unrealized without clear lines of accountability and authority. Today, unnecessary layers of bureaucracy cause barriers to aligning resources and inhibit authoritative decision-making. This bureaucracy creates overly complex channels of communication and too many players and steps in the decision-making process, which further confounds the agency’s ability to effectively execute modernization efforts. In Veterans Affairs, which is the only agency to date with this authority, the authority over IT budgets and staff has delivered significant improvements in oversight and management, which has resulted in improvements to mission effectiveness.

Consistent with FY 2014 passback direction, the DOI OCIO has completed the following activities.

Gap Analysis

OCIO conducted a gap analysis to determine if DOI was properly positioned with appropriate responsibility and authority to improve IT operating efficiency throughout DOI. The gap analysis conducted by OCIO was based on authorities identified in Government Accountability Office (GAO) Report GAO-11-634, Federal Chief Information Officers. Opportunities exist to improve the role of IT Management, as well as OMB Memorandum M-11-29, Chief Information Officer Authorities.

On December 14, 2010, Secretary Salazar issued Order Number 3309, Information Technology Management Functions and Establishment of Funding Authorities. The Order, Section 7, Delegation of Authority, states, “The CIO has the delegated authority of the Secretary necessary to implement and verify compliance with requirements of the Clinger-Cohen Act, other applicable Federal information technology laws and policies, and this Order.”

Plan of Action and Milestones

Secretary Order 3309 directed the implementation to be completed within four years. In June 2011, the CIO provided to Secretary Salazar an IT Strategic Plan that summarized the steps necessary to fully implement the Order by December 14, 2014. An IT Transformation Initiative has been underway for more than two years and is expected to realign the resources under the CIO necessary to fully implement the authorities contained in law and policy. Planned key milestones are provided below; however it should be noted that they may change over time due to sequestration or other emerging constraints.
FY 2013

- Chief Management Office (CMO): (Q3) Implement Shared Service Portfolio & Strategic Communications Management; (Q4) Implement Customer Relationship, Performance & Change Management, Governance
- IT Shared Services Organization (ITSSO): Telecom - (Q2) Simplify and Upgrade WAN
- ITSSO: Hosting - (Q4) Commercial Cloud Contract
- Office of Business Services (OBS): (Q3) Department-wide IT Strategic Sourcing initiative chartered; target sourcing opportunities identified; (Q4) Strategic Sourcing planning finalized

FY 2014

- ITSSO: End User - (Q1) Implement Enterprise SCCM; (Q2) eERDMS Support; (Q4) Implement Enterprise Directory Services
- ITSSO: Enterprise Service Desk - (Q1) Enterprise Services for Unified Messaging; (Q4) Implement Additional Services
- ITSSO: Hosting - (Q1) Hosting Study Findings Implemented and Operating at Enterprise
- ITSSO: Information Assurance - (Q1) Implement Enterprise Secure File Transfer Solution; (Q3) Implement Enterprise Encrypted Traffic Intercept
- ITSSO: Telecom - (Q4) Enterprise Cellular Services
- Geospatial (GEO): (Q1) Provide OS Geospatial Support; (Q2) Implement Policy, Strategy and Enterprise Licensing; (Q4) Implement DOI Shared Geospatial Infrastructure
- OCIO Business Services (OBS): (Q1) Finalize Workforce Planning Initiative; (Q4) Implement IT Enterprise Software Sourcing
- Policy, Planning and Compliance (PPC): (Q3) Implement Enterprise Records Management Program; (Q4) Implement Enterprise Information Assurance Program to include Policy /A&A

FY 2015

- ITSSO: Information Assurance - (Q1) Implement ICAM Logical Access, Physical Access & Federated Access; (Q4) Implement Enterprise SIEM Solution, Continuous Monitoring
- ITSSO: Telecom - (Q2) Strategic Sourcing; (Q4) Implement Enterprise LAN, Voice/Video Services
- ITSSO: End User - (Q3) Implement Local Desktop Support Strategy
- OBS: (Q1) Implement IT Enterprise Hardware Sourcing
- PPC: (Q1) Implement Enterprise Capital Planning & Investment Control, Policy Management; (Q4) Contract Consolidation and Contract On-Demand/Fee for Service Support

FY 2016

- ITSSO: Information Assurance - Implement Enterprise Continuous Monitoring

Summary of Proposal

This proposal describes how DOI can realign and improve funding requests, budget execution, and financial reporting for IT expenditures to better track planned and expended resources for IT goods
and services. It also ensures that CIOs have both direct control over all commodity IT spending and appropriate oversight of all IT-related funding requests and budget execution.

Secretary Order 3309, Section 6(g) states, “All IT procurement expenditures, over the micro-purchase level, must have the approval of the Office of the Chief Information Officer before funds are obligated via any approved method.” In adhering to the Order, DOI developed guidance and internal controls which require IT requirements be submitted for a review before products or services can be acquired by any organizational element within DOI. The following objectives have been defined to mature the review and approval of funding requests and increase efficiency and cost savings in IT-related expenditures.

- Phase-out of the process to review IT acquisitions that can be acquired from enterprise solutions by September 2013;
- Issue policy on the mandatory use of enterprise solutions by September 2013;
- Streamline and align reporting methods to achieve consistency and avoid redundancy by September 2014;
- Determine funding model by September 2016;
- Collect data from each Bureau and Office categorically by each IT Transformation Area, product service type, and alignment to the IT Portfolio;
- Extract data that lists common solutions acquired throughout DOI and highlight solutions that can be leveraged or eliminated as enterprise solutions become available;
- Develop managed service model (planned completion date to be determined);
- Centrally post enterprise solutions on the portal (ongoing), and
- Monitor the success of the managed service model (planned completion date to be determined).

Document Formal Agency Policies

The DOI Departmental Manual (DM) is the document for formalizing agency policies. As it relates to the OCIO, DOI Departmental Manual, Part 112, Chapter 24, Office of the Chief Information Officer, January 14, 2011, Section 24.4 states, “The purpose of the Office of the Chief Information Officer (OCIO) is to establish and manage a comprehensive information resource management (IRM) program for the Department of the Interior. The basic elements of the program include policy, planning, execution, oversight and service delivery. This includes defining standards, guidelines, metrics, and processes for ensuring compliance.”
6 Cyber Security Management

The DOI CIO has the authority and primary responsibility to implement an agency-wide information security program and to provide information security for both the information collected and maintained by the agency for the information systems that support the operations, assets, and mission of the agency. This includes well-designed, well-managed, continuous monitoring and standardized risk assessment processes that are augmented by "CyberStat" sessions. The following describes how DOI addresses the extent to which IT security activities may be consolidated under the DOI CIO. As a result, the CIO is able to address IT security activities.

Secretarial Order 3309 includes the following delegation of authority that encompasses the planning and management of IT security throughout DOI:

“Delegation of Authority. The CIO has the delegated authority of the Secretary necessary to implement and verify compliance with requirements of the Clinger-Cohen Act, other applicable Federal information technology laws and policies, and this Order; approve all recruitment and reassignment actions for all Information Technology positions within the Department; and establish appropriate governance entities that will have the authority to terminate any IT project as they deem necessary or in the best interest of the Department.”

Secretarial Order 3309 is fundamentally aligned with the Clinger Cohen Act (CCA), which calls for the transfer of all Clinger Cohen functions, including cyber security, to the agency’s OCIO and for these functions to be managed centrally.

IT cross-cuts the entirety of DOI’s programs and initiatives; therefore, a stable, agile, and secure IT environment is critical for achieving DOI’s mission. To fortify the new alignment of IT security within DOI, an information assurance service area was established to plan and manage IT security at the enterprise level and to deliver it using a service delivery approach. The information assurance service area is pursuing plans and methods for implementing cyber security best practices for the enterprise, including the establishment of new IT security policies, the re-architecture of IT security authorization boundaries, the implementation of a robust enterprise continuous monitoring program, and the optimization of DOI’s networks to better meet customer needs while improving overall IT security. Duplicative IT security activities that are in place today have previously impeded DOI’s desire to deploy enterprise-level security controls that provide opportunities for significant cost savings. Secretarial Order 3309 has also enabled DOI to better facilitate collaboration across several IT functional areas that have led to plans that will result in efficiencies and improvements in overall IT security. These changes are transformative and are not a viable course of action without a central IT authority.

The transfer of authority for IT operations and security processes, systems, and personnel that were previously under Bureau and Office control to the CIO is being undertaken carefully to ensure that the
appropriate policies and procedures are in place to enable a well-managed, effective implementation over time. In concert with this, DOI is implementing new components of commodity IT investments at the enterprise level while planning and coordinating the decommissioning of duplicative legacy systems in subordinate organizations. These activities require close coordination in the current multi-authority environment. IT workforce management and labor relations considerations, complex planning activities, and subordinate organization resistance have presented challenges to the expeditious implementation of IT consolidations and management centralizations. DOI is keenly focused on strengthening IT governance as a key component to overcoming obstacles while managing risk as it undertakes this ambitious initiative.

With the authority for IT under the DOI CIO, the consolidation of the commodity IT infrastructure is underway, which will enable DOI to realize reductions in duplicative IT assets and the removal of Bureau-specific IT policies and security frameworks. To address vulnerabilities, DOI updated and implemented its Departmental Manual on the Information Security Program (375 DM 19), which identifies 18 agency-wide standards for IT security and identifies the CIO’s designated Authorizing Officials (AOs). These new standards are based on the Revision 3 of the NIST 800-53, *Recommended Security Controls for Federal Information Systems and Organizations*, as well as the Federal Risk and Authorization Management Program (FedRAMP) recommended security controls for information systems within Cloud computing environments. This updated handbook and revised Departmental policies are also aligned with NIST Special Publication (SP) 800-37, “Guide for Applying the information assurance Framework to Federal Information Systems.” SP 800-37 calls for the implementation of an information assurance Risk Management Framework (RMF). The continuous monitoring of security controls is one of the fundamental steps in the RMF process.

### 6.1 Alignment with Cyber Security Priorities (EXXA)

Information Assurance/Cyber Security is one of OCIO’s four primary focus areas and DOI is very engaged with activities that will lead to success with the President’s Cyber Security Cross-Agency Priority (CAP) goals in FY14. These activities build on foundational processes that occurred during FY13 and prior years. Summaries of current DOI CAP goal activity follow:

**Strong Authentication:**

- DOI is making good progress with having on premise workstations use Personal Identity Verification (PIV) based authentication to connect to the DOI network. The long range plan is to completely move away from passwords and require mandatory use of the PIV for network logon. To transition to this end-state, workstations in Bureaus and Offices are being configured to require PIV authentication. This is a transitional state as employee knowledge of their network password is still required for legacy application logon (e.g., Bureau time and attendance systems). DOI has been collecting information on applications currently in use that
require username/password authentication so that strategic investment planning can be made for the modernization of these systems.

Continuous Monitoring:

- DOI is making excellent progress on pursuing the continuous monitoring objectives as described in the President’s CAP goal for cyber-security and is developing an implementation plan to achieve the FY 2014 CAP Continuous Monitoring priority capability by FY 2014 Q4. This implementation plan will be executed to ensure that the three domains of Continuous Monitoring (Asset Management, Configuration Management, and Vulnerability Management) are implemented to the 95% target by Q4 2014. DOI is designating a technical professional to specifically focus on ensuring Information Systems and/or Major Applications assigned maintain Information Security Continuous Monitoring (ISCM) in accordance with National Institute of Standards and Technology (NIST) Special Publication 800-137 and other governmental directives, standards, policy, and guidance. DOI is also reviewing ISCM tools selected by DHS's Continuous Diagnostics and Mitigation (CDM) program.

Trusted Internet Connection (TIC) Compliance:

- DOI continues to maintain exceptional progress on pursuing the TIC compliance objectives as described in the President’s CAP goal for cyber-security. DOI is over 90% compliant with Trusted Internet Connection (TIC) requirements to date.

6.2 Continuity of Operations (EXXB)

Currently DOI and its subcomponent organizations provide the proper continuity of operations (CooP) and disaster recovery (DR) capabilities based on the specific requirements of a particular application. DOI is actively pursuing additional means in which CooP and DR requirements can be met more efficiently by utilizing shared resources across all Interior Bureaus and Offices as well as leveraging other technologies (cloud-based offerings). From a shared services perspective, one of the requirements moving forward with any strategy is the consideration for CooP and DR to meet the mission needs of all of DOI as well as subcomponent organizations.

DOI’s cloud-based email and collaboration service takes advantage of the CooP and DR capabilities provided by our Cloud services vendor. The Statement of Objectives for our cloud email services requirement specifically includes language to ensure requirements are included to prevent the loss of DOI data, service degradation, and/or service disruption to DOI users in the event of planned or unplanned outage. To address this, the cloud based vendor is providing:

- Multiple copies of user data made available in real-time to the various Google services through live (or synchronous) replication;
- Simultaneous replication of every action taken in Gmail across multiple servers in at least two data centers;
- Instantaneous transfer of data if a server fails or an entire data center suffers an interruption; and
- Zero/instant failover Recovery Point Objective (RPO) design target.
7 Workforce

7.1 IT Human Capital Planning (FXXA)

DOI surveyed its IT workforce in spring 2012 to assess IT capabilities with regards to 1,000+ skills and for proficiencies in 14 behavioral and business competencies. Competencies were selected based on the types of IT and technology management roles performed by IT professionals. By the end of FY 2013, it is expected that DOI will define additional operational details for the IT future state and identify the related competencies needed to achieve that future state. DOI will compare the IT workforce future state requirements against the IT workforce skills and competency assessment data to determine gaps.

To close the gaps, DOI will develop a comprehensive IT Workforce Training and Development Plan to ensure execution of the IT future state. DOI’s Privacy Training Program includes mandatory Privacy Act training as part of the Federal Information System Security Awareness (FISSA) training for all new employees and contractors. Specialized computer-based training courses and individual or group training is also provided. DOI developed “The Privacy for IT Personnel” course, a computer-based privacy training course for IT personnel in accordance with OMB M-07-16, which requires that agencies provide targeted, role-based training to managers, Privacy Act officers, and employees with privacy responsibilities. DOI continues to focus on the importance of having qualified IT project and program managers. In collaboration with DOI University, DOI offers a certificate programs in support of this focus: FAC-P/PM. Individual classes or the full curriculum resulting in certifications can be pursued.

As stated in M-11-29, “Agency CIOs shall improve the overall management of large Federal IT projects by identifying, recruiting, and hiring top IT program management talent.” The first milestone in the alignment of the IT workforce is to analyze the capabilities of the existing workforce against the skills required to perform in the transformed IT environment. A key outcome of this analysis will be the identification of critical gaps/excesses in skills, geographic coverage, and numbers of FTEs throughout DOI.

In April 2012, as part of a plan to grow the Program Management job title using an agency-wide process to document challenges and capture best practices and lessons learned, DOI began an inventory of the skills of its IT workforce. The purpose of the assessment was to identify and address competency gaps in order to better understand the skills and competencies within the workforce, specifically as they relate to the support of emerging technology being used in ITT initiatives. One of the skill categories assessed is IT program management. The skills inventory will identify where those program management skills reside as well as highlight developmental areas where additional training will be helpful.

Once the analysis of the workforce is complete, a comprehensive plan will be developed to address the skill gaps, outline training programs, and provide a path for career development within the
transformed IT organization. As services are established and consolidated through implementing the service delivery model, the IT workforce will be aligned according to the new organizational model. This alignment will follow a logical and predictable path that minimizes the impact on Bureau and Office operations.
8 Managing Information as an Asset

8.1 Supporting Interoperability and Openness (GXXA)

Section 206 of the E-Government Act of 2002 requires each agency, to the extent practical, to: (1) ensure that a publicly accessible federal government website includes all information about that agency required to be published in the Federal Register under the Freedom of Information Act, (2) accept submissions under 5 U.S.C. 553(c) by electronic means, and (3) ensure that electronic rulemaking dockets are made publicly available through a federal government website. Sections 207(f) and 208(c) require OMB to issuance guidance for agency websites.

DOI has a publicly accessible federal website that includes all information about DOI required to be public in the Federal Register/FOIA. Additionally, each Bureau and Office within DOI maintains a FOIA website and may also have specific FOIA Reading Rooms containing frequently requested DOI-implemented requirements of Section 206 by September 2005, which was the deadline established by OMB in its 2003 annual report to Congress. Examples of actions taken, including all rulemaking documents, are automatically included in the daily feed sent to www.regulations.gov by the Federal Register. DOI posts these documents soon after they are received in a public domain directory of public federal government websites (207(f)(3)) that they developed and established. DOI is currently in the process of updating its list of public federal government websites and the domain names under its control as it actively seeks to reduce these numbers.

DOI complies with OMB guidance for privacy notices on agency websites. The DOI Web Standards Handbook (386 Departmental Manual 3) requires that DOI and Bureaus and Offices comply with laws and directives regarding the protection of privacy data on DOI and Bureau websites. All official DOI and Bureau and Office website pages must link to the DOI Privacy Policy, which is posted on the official DOI website. The Privacy Policy provides information to the public on what information is collected; the purpose of the collection; how that information is handled, used, and shared; how information from the use of social media applications is handled and shared; the DOI linking policy; and website security controls used to protect information. DOI, Bureau, and Office web pages that collect information directly from individuals must provide a privacy notice that specifically addresses the requirements of the privacy provisions of Section 208 (c).

Public Access to Electronic Information

Section 207(e) of act required National Archives and Records Administration (NARA) to issue policies requiring agencies to adopt policies and procedures to ensure that records management requirements are applied effectively. DOI is developing an enterprise-wide forms system that will incorporate records management and other information management policies and procedures into standard forms with associated workflow processes and standardized file formats that will leverage existing technology and reduce costs.
Section 207(g) of the act required agencies to provide information required to populate the repository that contains information about research and development funded by the federal government. DOI is developing an enterprise electronic and records management system. This system will populate metadata fields for electronic records. In addition, it will assign and categorize the appropriate records schedule and disposition.

Since 2005, DOI has continued actions to integrate electronic information collection to reduce burdens, create interoperability in databases among agencies, and improve the utility and accessibility of government information. Specific actions include:

- Established performance measures of Open Government progress including number of Interior datasets available on data.gov, reduction of Freedom of Information Act (FOIA) backlog, and level of participation in Open Government-focused initiatives;
- Enhancing public participation in government by electronic means by using www.Regulations.gov as the central access and dissemination point for all regulations and related documents;
- Continuing to perform as an established Government-wide Managing Partner for Geospatial One Stop, Geospatial Line of Business (LoB), Recreation One Stop (through the third quarter of 2010), as well as a Shared Service Provider for both Human Resource and Financial Management LoBs; and
- Performing as a Supporting Partner for sixteen E-Government initiatives and six LoBs to develop common solutions where government-wide efficiency and reduced costs can be achieved.

8.2 Controlling Accessibility to Personal Information (GXXB)

The DOI CIO is the Senior Agency Official for Privacy and, as such, has the primary authority and responsibility for overseeing an agency-wide privacy program and implementing policies and procedures to ensure agency compliance with all applicable privacy laws, regulations, policies, and standards. DOI is committed to building a privacy program focused on protecting individual privacy in alignment with the DOI mission to build a 21st century Interior.

DOI’s mission diversity and geographic dispersion make risk mitigation a challenging and complex undertaking. With SO 3309, DOI initiated a reorganization of the technical, financial, and cultural structure of the organizational subcomponents. This reorganization has enabled DOI to better facilitate collaboration across information management and assurance programs that will result in improved overall compliance for the safeguarding of individual privacy and sensitive Personally Identifiable Information (PII). In order to ensure compliance with the Privacy Act of 1974, E-Government Act of 2002, and other Federal laws and to improve utilization of resources to assure appropriate safeguards to protect personal information, the new centralized DOI Privacy Program within OCIO will enable the consolidation of compliance activities across the enterprise, reduce duplicative or inconsistent policies and procedures, and ensure uniform implementation of controls...
and best practices to protect sensitive PII throughout the information lifecycle in accordance with applicable privacy laws, regulations, policies, and standards.

Privacy governance strategy is focused on ensuring appropriate safeguards to protect PII and the confidentiality, integrity, and availability of information assets. DOI has implemented a combination of technical, administrative, and physical controls to safeguard personal information from inappropriate or unauthorized access, use, or disclosure in alignment with Federal mandates and National Institute of Standards and Technology (NIST) guidance and standards for the protection of sensitive PII and sensitive but unclassified (SBU) information. DOI’s Information Security Program ensures compliance with the Federal Information Security Management Act (FISMA) and uses operational controls and privacy enhancing technologies such as data loss prevention software, data synchronization, encryption, firewalls, authorized use system access controls (such as Multi-Factor authentication with Smart Cards), and system audit logs. DOI has effectively reduced the risk of loss or compromise of sensitive PII in agency communications by implementing a Data Loss Prevention (DLP) solution that monitors network communications and prevents sensitive PII from leaving the network.

In addition to these technical controls, administrative controls utilized at DOI include policies and procedures at the component or system level to control access to personal information, such as DOI Privacy Act regulations, Departmental Manual Privacy Chapters, Rules of Behavior, and privacy training and awareness. DOI Privacy Act regulations at 43 CFR Part 2 implement the provisions of the Privacy Act and outline roles, responsibilities, and requirements for the collection, maintenance, and disclosure of records subject to the Privacy Act. Additionally, the regulations also require minimum physical safeguards to ensure the security and confidentiality of records subject to the Privacy Act, including limiting physical access to protected records and restricted access to file cabinets and DOI facilities where records are stored.

To further mitigate privacy risks, DOI promulgated the DOI Privacy Loss Mitigation Strategy (PLMS), which outlines procedures for the protection of PII, the reporting of lost or compromised PII, and remedial steps to mitigate any impact to affected individuals following a privacy incident. DOI promulgated the DOI Privacy Policy for the Information Sharing Environment (ISE), which outlines roles, responsibilities, and requirements for implementing individual privacy, civil rights, and civil liberties protections in the information sharing environment in accordance with the Intelligence Reform and Terrorism Prevention Act of 2004, Executive Order 13388, and the ISE Privacy Guidelines.

DOI conducts Privacy Impact Assessments (PIA) on all information systems, third-party websites, and social media applications in accordance with the E-Government Act and OMB policy to demonstrate that the agency has evaluated privacy risks and incorporated protections commensurate with those risks to safeguard the privacy of personal information. The DOI PIA Guide provides guidance and outlines requirements for completing PIAs to ensure that PII is only collected as authorized, that system of records notice (SORN) requirements are met, and that appropriate security controls are
implemented to protect and manage access to PII within DOI information systems. As part of the DOI PIA compliance review cycle, PIAs are updated whenever changes occur to the information system or process or every three years. This ensures privacy implications are addressed when planning, developing, implementing, and operating information systems that maintain information on individuals.

The DOI Privacy Office also conducts data calls and compliance reviews on PIA and SORN inventories, as well as DOI websites, portals, and forms, to assess compliance with privacy laws, policies, and standards; increase accountability; and promote a culture of privacy compliance within DOI. In order to meet the mission of the DOI Privacy Program, to provide privacy policy and compliance leadership in promoting and protecting privacy and transparency, the DOI Privacy Program will meet the following objectives:

- Issue policies and provide guidance to DOI Bureaus and offices on requirements for privacy protection through guidelines, templates, and forms to comply with Federal privacy laws, regulations, and policies, while promoting the Fair Information Practice Principles (FIPPs);
- Conduct privacy compliance reviews annually on existing programs, systems, projects, information sharing arrangements, and other initiatives to reduce the impact on individual privacy and ensure compliance with Departmental privacy policy and the FIPPs;
- Collaborate with other Federal agencies and partners to advance the FIPPs and foster a culture of privacy and transparency through policy and partnerships to fulfill the DOI’s mission as it relies on interagency cooperation;
- Ensure privacy incidents are reported, investigated as appropriate, and mitigated in accordance with Federal and DOI policies and plans; and
- Build a privacy outreach, education, and awareness campaign to promote privacy, develop privacy training courses, and disseminate materials to employees and contractors as appropriate.

To achieve these goals and ensure privacy is properly protected, DOI is revising DOI Privacy Act regulations and Departmental Manual Privacy chapters (383 DM 1-13) to reflect new Federal requirements, updated DOI privacy policies, and new NIST standards and privacy controls for the handling, sharing, and protection of sensitive PII. In order to increase privacy awareness and ensure compliance with Federal privacy laws and updated DOI privacy policies, the DOI Privacy Training Program has developed a robust privacy curriculum that includes mandatory privacy training that is delivered as part of the Federal Information System Security Awareness (FISSA) training that must be completed by all employees and contractors annually. In addition, a series of ten role-based privacy training courses for specialized groups with PII responsibilities will be deployed over the next three years. Initial targeted, role-based training courses include Privacy for IT Personnel, Privacy for HR/EEO Professionals, Privacy for the Information Sharing Environment, Privacy for System Managers and Privacy for Information Management Personnel.
9  Commodity IT and Shared Services

DOI is focused on creating a management framework that thoughtfully aims to drive efficiency, reduce costs and improve services across DOI. IT Transformation is a key component to DOI’s management strategy, as it enables this management framework. The framework drives data-driven decisions around commodity IT investments, quantitative targets for commodity IT spending reductions and consolidations, laying out a strategic vision to transition derived savings to mission-focused investments, and setting clear, and unlocking efficiencies through leveraging service-oriented approaches. DOI is working to consolidate IT infrastructure under one CIO, while reducing waste and duplication, providing innovative, cost effective, Department-wide cloud-based services, and transitioning large-scale IT to customer-oriented service delivery.

9.1  Maturing the IT Portfolio (HXXA)

DOI is currently performing a hosting study to evaluate the hosting operations that are currently being managed and performed by subcomponent organizations. The study will evaluate the current hosting capabilities and define a future state hosting shared service business model. In parallel to the study, an application rationalization initiative is being performed to evaluate the current DOI application portfolio, evaluate ways to improve support for each line of business, and assist in the strategic direction of hosting services to include simplifying infrastructure, and creating the most efficient model related to resourcing that service area as well as other IT service lines. The initiatives to support hosting services, such as data center consolidation, moving applications/services to the cloud, and standardizing on infrastructure, are all efforts supporting DOI’s strategic direction in support of optimizing IT infrastructure, rationalizing applications, and adopting a service oriented approach in providing shared services.

It is expected that by FY 2014, hosting services will be managed by OCIO to include the reprogramming of workforce from Bureau and Office to DOI OCIO/ITSSO as well as those infrastructure assets that are considered within the scope of Hosting Services. Other activities associated with the stand-up of hosting shared services include:

- Aggressive closure of 40% of non-core data centers based on future guidance that will be provided by OMB Federal Data Center Consolidation Initiative (FDCCI).
- Identification of 30-50% of DOI applications/services that could be migrated to a public cloud service within the next five years.

A Foundational Cloud Hosting Services Contract was awarded in May 2013 with the first task orders being submitted in FY2013 Quarter 4. Services provided by this contract vehicle include storage, secure file transfers, virtual machines, database hosting, development and testing environments, and web hosting.
DOI recently completed an acquisition of and migration to a cloud-based “Software as a Service” (SaaS) email and collaboration service from a commercial provider of Cloud Computing services for over 70,000 employees. DOI’s goal was to transition its legacy email and collaboration services from disparate, on-premise systems to a highly integrated, innovative, creative, cost-effective, and evolving cloud-based environment. The new service provides an integrated suite of tools and capabilities that allows DOI to transform the way business is conducted while also maintaining the ability to manage and monitor service performance, quality, and delivery through clearly defined roles and business rules rather than through physical control of assets and direct software licensing.

The cloud-based solution increases employee productivity and collaboration and improves its service to the American people. The primary objective of the cloud-based email and collaboration services acquisition was to reduce DOI’s service delivery costs as well as to equip and empower DOI employees with secure, modern, reliable communication. The resulting capabilities act as a catalyst to accelerate and improve the delivery of mission goals and services in the future. Primary outcomes of this initiative include:

- Modernizing DOI’s e-mail system;
- Provisioning services in a government community or private cloud solution that include email, calendaring, cloud-based email archiving/journaling, instant messaging, desktop video conferencing, web-based collaboration systems, and support for connecting mobile devices;
- Reducing the government’s in-house system maintenance burden and associated spending; and
- Ensuring appropriate security and privacy safeguards.

DOI is currently in the planning and design phase of an Enterprise Directory Services (EDS) project to re-architect the DOI directory service environment into a single-forest, three-domain architecture that is designed around technology boundaries rather than organizational boundaries. This solution has the benefit of realizing operational efficiencies, increased security, and economy of scale.

The DOI Directory Services environment has been actively operating for more than seven years and has settled into a functional steady-state operations model, with the respective Bureau child domains operating at varying levels of efficiency and standardization. More specifically, the current architecture was implemented based entirely on organizational boundaries and consequently segmented into Bureau and Office domains with unnecessary complexity, duplicative administration, and other unwarranted costs. The Single Forest option for the transformation of the Enterprise Directory Services proposes implementing architecture with a single forest and three separate domains (SF3D) that address operational and security deficiencies. The first is a forest root domain which will have limited scope in services and only contains those services which are central to the enterprise functions and appropriate for placement within the root domain. The second domain will contain most user and workstation related objects while the third will host enterprise-level resources which are utilized and accessed by a variety of customers.
Moreover, this alternative supports the implementation of separate sites for the Bureaus and Offices as needs and Global Policy Objects (GPO) that restrict the rights of site administrators and apply the GPO at each site. The single forest 3 domain model inherently increases DOI’s ability to ensure compliance, provides the ability to effectively audit directory objects and actions, and increases security by significantly reducing the number of Domain Administrators with full access to domain functions.

The DOI Unified Telecommunications Services Program will provide modern, cost-effective, consolidated telecommunications services (WAN, LAN, Voice, Video, Radio, and Cellular) to the Department’s Bureaus and Offices, consistently exceeding customer satisfaction and operational expectations. DOI’s Unified Telecommunications Services Program provides consolidated enterprise-wide WAN, LAN, Voice, Video, Radio, and Cellular capabilities in response to DOI, Bureau and Office, and local-level telecommunication needs. UTSP provides common telecommunication tools to assist DOI operational components achieve their missions as demonstrated in Figure 6.

<table>
<thead>
<tr>
<th>Unified Telecommunications Services Program (UTSP)</th>
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<tbody>
<tr>
<td>Advanced Technologies and High Quality Services</td>
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<tr>
<td>• Open communication to accomplish work.</td>
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<tr>
<td>• Benchmark telecommunications transport functionality (i.e., Media, Cellular, Streaming, etc.).</td>
</tr>
<tr>
<td>• QA/QC Program with support prompt</td>
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<tr>
<td>• Relevant, just-in-time training on telecommunications equipment, services, and systems.</td>
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<tr>
<td>• User-governed strategic direction.</td>
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Figure 6: UTSP Services

9.2 Reinvesting Savings from Commodity IT Consolidation (HXXB)

DOI plans on capturing savings generated by the consolidation of IT infrastructure and other streamlining efforts and reinvesting those savings into subsequent phases of IT transformation, such as migration of applications/services to the cloud. Related specifically to hosting services, DOI is working closely with its subcomponent organization to meet OMB requirements and mandates. DOI committed to closing 95 data centers by 2015 and has currently closed 48 data centers and is ahead of schedule. DOI is also working closely with OMB to meet FDCCI requirements related to the identification of Core and Non-Core data centers and will begin the planning associated with the closure of 40% of DOI’s Non-Core facilities (approximately 120 data centers).

DOI is also working to establish enterprise contracts for commodity IT, specifically focusing on contracts where large volumes of licenses are required in all shared service areas such as virtualization, system software, and support services. This and standardizing on technology such as virtualization,
hardware platforms, and software are just two of the large pushes for DOI. Standardization supports more efficient workforce models, assists with training requirements, and support services.

DOI is aggressively seeking opportunities to leverage cloud services. Services that have already been established include the implementation of a department-wide, cloud-based email and collaboration system to include instant messaging, desktop video conferencing, and messaging archiving. DOI is currently in the acquisition phase of acquiring cloud-based hosting services.

Specifically related to DOI’s cloud-based email and collaboration system, DOI expects to realize costs savings and/or avoidance at the Bureau and Office sub-organization component level through decommissioning of legacy email systems, reducing the need to maintain separate hardware, software, and administrative support components for the legacy email systems. These cost savings can be reinvested into the Bureau and Office mission.

Similarly to the cloud-based email and collaboration system, DOI’s EDS consolidation plan will also enable reductions in hardware, software, and administrative support costs, as well as implement standardization across the enterprise, resulting in reinvestment opportunities at the Bureau and Office level.

Other ways DOI plans to reinvest savings are listed below.

- Accelerate and expand strategic sourcing agreements for expanded network services: Video, Voice, Radio, and Cellular;
- Define and implement a Unified Telecommunication Services Program central and regional support structure that utilizes existing DOI telecommunications specialists and service provider resources;
- Implement a robust training program for UTSP personnel to include core business requirements such as contracting, budgeting, finance, administrative, and human resource management;
- Converge Wireless, Wireline, Cellular, Video, Voice, Radio, and IT Infrastructures;
- Expand Managed Services for local area network infrastructure operations and maintenance;
- Establish Enterprise Voice, Video, Radio, and Cellular appropriations line items; and
- Establish Enterprise-wide oversight authority over telecommunication acquisitions including Voice, Video, Cellular, and Radio.

9.3 Maximizing Use of Inter- and Intra-Agency Shared Services (HXXC)

Where appropriate, DOI reaches out to other agencies to leverage excellent work or lessons learned in regards to shared services. DOI is actively engaged in the Federal Data Center Consolidation Initiative (FDCCI) and, as such, works closely with other federal agencies regarding shared service offerings specific to data center offerings and seeking opportunities to leverage existing services where appropriate (contract vehicles, data center facilities, etc.). Where services are not available, DOI will create contract vehicles or opportunities for other agencies to leverage or partner with DOI.
DOI is one of many Federal agencies that have transitioned to the Google Apps for Government cloud email and collaboration service. DOI has established a shared services support model for managing the service, including development of a centralized support model, standard Service Level Agreements, and management of the service provider integration and support contract. Additionally, DOI initiated a bi-monthly meeting with Google executives and CIO representation of all other Federal agencies using Google Apps for Government. Technical sub-teams have evolved out of the executive-level meetings to address common issues and concerns across the Federal sector. The sub-teams are working collaboratively to identify and escalate opportunities for increasing security, functionality, and collaboration with the Google service and between other Federal agencies.

DOI’s EDS project to re-architect the DOI directory service environment into a single-forest, three-domain architecture has the benefit of realizing operational efficiencies, increased security, and economy of scale. Tasks currently performed by the Bureaus and Offices will be subsumed by OCIO Directory Services Administrative staff, in a shared services model, during and after the EDS project. This will eliminate the need for Bureaus to do the following, included but not limited to:

- Domain Controller monitoring and maintenance;
- DNS management for DOI.NET (and child) namespace;
- Support Internal Directory Service integrated DNS Servers and name resolution;
- Support existing and new sites/services;
- Create and enforce standard DOI policy objects;
- Manage forest and domain trusts;
- Top level organizational unit (OU) creation, delegation, and maintenance;
- Ensure proper and timely replication of data between Domain Controllers;
- Perform forest audit type functions;
- Integration and engineering functions related to new and existing enterprise applications; and
- Tier 3 troubleshooting assistance.

The Geospatial Platform has been formally introduced as one of the OMB e-Government Shared IT Services. DOI serves as the Federal leader in the development and refinement of the Government-wide Geospatial Platform (www.geoplatform.gov), an interagency initiative led by the Assistant Secretary for Water and Science and DOI’s Geospatial Information Officer. DOI has also lead the collaborative development of a landscape decision tool to support policy development and decision making through the use of shared data and analysis utilizing geospatial resources from Federal, State, and local governments as well as Non-Government Entities.

9.4 Web Services, Mobile Optimization and Digital Services (HXXE)

DOI is committed to the continuous improvement and innovative application of modern automation, communication and collaboration technologies our employees, partners, collaborators, other agencies, and the American people expect of twenty first century Government. Web services and, increasingly,
mobile technologies and applications have the power to transform the way we conduct and communicate the diverse missions of DOI’s Bureaus and Offices.

OMB’s Digital Government Strategy requires all agencies to undertake actions to optimize customer facing services for mobile devices and services and make available “high-value” data and content over the Web using common APIs. DOI’s Enterprise Mobility Strategy provides a framework to ensure that DOI develops mobile solutions that improve customer service and provide more universal access to information utilizing an increasingly broad array of devices. DOI’s Web Strategy is similarly focused on optimizing Interior’s use of Web technologies to improve employee productivity in support of the mission, foster greater transparency, improve public and partner collaborative capabilities, and encourage consumption of DOI’s broad, publicly available information sets.

DOI’s Enterprise Mobility Strategy provides the high level context to address these demands and identifies initiatives to support DOI strategic goals through and effective adoption of mobility goals and objectives. Details for the initiatives are addressed in companion implementation guidance documents tailored for specific purposes. These implementation planning documents will reference the goals, objectives and initiatives identified in this strategy and also map to the Digital Government Strategy. The Enterprise Mobility Strategy prioritizes DOI’s customer base, recognizing the complimentary relationship between the OMB strategy and DOI customer demand.

DOI’s Web Strategy, which is outlined in the Web Manager’s Handbook, provides guidelines for Bureaus and Offices to manage Web sites and content. DOI continues to develop and update policy and procedures to appropriately govern its Web sites in order to ensure compliance with open data, content, and web API policies.

**Web, Digital Services and Mobile Optimization Core Principles:**

- We will establish standards and development practices that support platform independence to enable flexibility and reuse of data and system functionality;
- We will promote the adoption of technologies that benefit our employees in support of the mission, while advancing our communication and collaboration capabilities with our partners and the American people;
- We will maintain a strong focus on risk based security measures that coincide with the sensitivity of DOI information;
- We will develop mobile capabilities that enable sound records management practices and legal discovery requirements;
- We will seek to leverage existing capabilities where practical and cost-effective;
- We will adopt a continuous, incremental improvement process into our strategy to monitor platform trends, innovative uses and best practices in service delivery and data protection;
- We will approach a mobile strategy as an enterprise initiative to be coordinated across the entire Department and with appropriate prospective partners; and
We will make content and high-value data available to our partners and the American people using common APIs, mobile-friendly applications and innovative Web services.

DOI’s approach to modernizing its existing systems to leverage Web services and optimize for mobile usage is tightly coupled with its ITT plan. DOI’s Hosting initiative, one of several major cost saving and optimization efforts begun in 2012, will afford DOI the opportunity to leverage cloud-based infrastructure and complete platforms for its Web services. Through application rationalization, also a part of this initiative, Interior will achieve a reduction in the number of duplicative services and applications allowing us to target key remaining applications for modernization and optimization. To improve digital services to our partners and the public, DOI has partnered with its Bureau and Office program managers to identify high-value data sets and work together to make these available through Web APIs.

This work has already begun. In late 2012, DOI introduced for its employees a Web based application “store” that provides access to the agency’s legacy time and attendance system, its online learning system, and it’s Intranet through a single portal that is accessible anywhere and at any time. In support of the Digital Government Strategy, DOI has developed and made available, or will shortly make available, wildlife, hydrography, earthquake, wetlands, and mapping and land use data using Web APIs. As the list of services available to the public continues to grow, Interior has established a Developer “Hub” for our data consumers. Links to more than 20 of these resources can be found at http://www.doi.gov/developer. Demonstrating our commitment to mobile technologies to showcase our mission and services, several applications are now available for iOS and/or Android devices from USGS, FWS, and NPS. These applications are regularly updated reflecting the feedback and experiences of consumers. Interior continues to explore new and innovative ways to bring data and interpretive services to the mobile devices of the American people.

In 2012, DOI instituted a Bureau and Office spend plan review process that allows OCIO staff to confirm that spending on new or existing systems and services is aligned with broader ITT initiatives and SO 3309, in addition to other requirements and mandates. This process has also allowed OCIO to successfully assess new systems for compliance with open data, content, and Web API policy and ensure alignment with both OMB and DOI Digital Services strategy.

DOI developed a Mobility Strategy to help focus and align a wide array of efforts associated with mobility. Mobile strategy includes the following elements.

**Mobile Device Strategy – Goals and Objectives**

**Goal:**

Enhance DOI’s ability for anywhere, anytime anyplace computing through the expanded use of platform independent web-based solutions and mobile technologies that balance the value of flexible access and risk.
Objectives:

Adopt mobile first design strategy in all new development

DOI applications and information services will be designed for the Web and include consideration for mobile device access. Core tenets include platform and browser independence, separation of data from process and user interface (note this is also in alignment with the Digital Government Strategy and Shared Services Strategy) and publication of agency data to the cloud where it can be readily repurposed.

Enhance DOI App store to serve as a central clearinghouse for all DOI web-based and mobile applications

Establish policy that requires all DOI developed web and mobile solutions to be registered in standard format with the DOI App store. Create public view and position on DOI.Gov.

Expand web based and mobile offerings- identify key mobile functions and work to bring them to production

Identify likely areas for delivering broad based value to DOI’s employees and customers.

Clarify actions and applications available on government furnished vs. BYOD

Recognize that not all functions are appropriate for use on non-government furnished equipment. Establish a bright line that separates information and functions that may be performed on BYOD vs. those that require GFE.

Establish ongoing risk assessment and mobile environment awareness capabilities to ensure that new developments in web-based and mobile technology are well understood

New mobile products will be rapidly introduced into our environment. We must monitor major platforms and the mobile environment to ensure we are not accepting unknown risks. We must also continue to collaborate with other agencies and the private sector to identify cost effective ways to improve mobile capabilities.

Establish a common platform and infrastructure to promote manageability and risk understanding of mobile access and to promote efficiency and interoperability

A common platform for all DOI web applications and mobile access will promote ubiquitous access and facilitate seamless integration of mobile and traditional computing. A common platform will also foster the establishment of a DOI mobile community of practice where web and mobile developers can provide peer support to DOI application development.

Wireless Services Strategy
Following the award of its Cloud-based Email and Collaboration Services contract in 2012, Interior has begun to see a significant shift in wireless device usage. With that change in usage comes changes in device and, potentially, changes in service plans. Historically DOI’s wireless contracts have been managed at or below the Bureau and Office level, making it extremely difficult to maintain an accurate enterprise inventory of devices and sacrificing the potential economies of scale an organization the size of DOI might recognize. The extremely distributed and diverse nature of the Department of the Interior’s mission, combined with factors including geographic isolation, a heavy emphasis on field work, and varied, often disparate, funding models has previously thwarted efforts to consolidate wireless contracts. However, our market research indicates that thanks to competition in the market, carrier reach, pooling, and billing models are today more flexible than ever before.

In late 2012, OCIO organized a team consisting of acquisitions, technical experts, and wireless contract managers from representative Bureaus to formulate a strategy for the creation of one or more enterprise wireless contracts, with the goal of migrating or consolidating myriad Bureau and Office contracts into these. Though Interior has been heavily involved in GSA’s Federal Strategic Sourcing Initiative for wireless, it is exploring options and formulating an acquisition strategy with an intent to deliver consolidated enterprise wireless and device contract(s) to DOI at large by calendar year end, 2013.
10 Accessibility

DOI is committed to building and maintaining a diverse environment, integrating accessibility considerations into IT processes, and developing workforce skills to support Section 508 requirements. In alignment with the DOI mission to build a 21st century Interior, the DOI CIO’s goal is to provide cost-effective, reliable, and accessible IT products and services to promote a diverse workforce and encourage communication and collaboration between employees, stakeholders, and the public.

10.1 Creating a Diverse Work Environment (JXXA)

DOI employs over 70,000 employees that perform a variety of duties requiring highly-skilled and unique abilities to support the Department’s Bureaus and Offices. Employees are challenged by a decentralized organization and the demands of technology and knowledge management. To address these challenges, DOI is focused on improving key areas that will allow individuals of all abilities to work, interact, and develop into leaders to promote recruitment, improve retention, promote employee development, and maintain an exceptional workforce.

DOI’s vision for a highly-skilled, diverse workforce includes a strategy that uses multiple background factors as tools for competition and workforce development. Differences in background, education, and experience contribute to the varied perspectives in the workplace and create a dynamic environment for higher performance and success in achieving mission goals.

10.2 Integrating Accessibility into IT Processes (JXXB)

As more individuals with disabilities join the Federal workforce, it is imperative that DOI remain effective and responsive for a well-prepared and skilled workforce while providing equal access to Federal government information technology and data. An essential component of such access is to ensure that all electronic and information technology (EIT) developed, procured, maintained, and used within the organization are accessible to individuals with disabilities as mandated by Section 508 of the Rehabilitation Act of 1973 (29 U.S.C. § 794d), as amended, the Access Board standards, and other Federal laws and regulations.

The diversity of the workforce requires the DOI CIO to focus on accessibility of EIT that is being developed, procured, maintained, or used. Consistent and close collaboration is vital among employees who define requirements, acquire and manage goods and services, and develop information. It is critical that Section 508 requirements are considered throughout the acquisition and information technology life cycles in order to provide the tools and technology that support a diverse Federal workforce.

10.3 Building Workforce Skills to Support Section 508 Compliance (JXXC)
In order to ensure consistent implementation and compliance with Federal laws, DOI initiated reorganization under Secretary Order 3309 to enable better collaboration across information management programs. Within this new structure, the DOI Section 508 Program will be consolidated and centrally managed by the OCIO. This will allow the Section 508 Program to improve compliance activities across the enterprise and increase efficiencies, resulting in uniform and consistent implementation of Section 508 requirements and best practices. It is in this framework that the DOI CIO will work with functional areas to develop a workforce plan to ensure that the appropriate resources and skill targets are established to deliver the goals and objectives effectively and address the changing technical environment that supports the DOI mission.

The Section 508 Program will focus on providing strategic direction, technical support, and training to ensure DOI employees with disabilities have equal access to information technology and data. To accomplish this mission, the Section 508 Program will meet the following objectives:

- Develop enterprise-wide accessibility testing guidelines to ensure a standard testing process and procedure and a comprehensive understanding of the Section 508 requirements;
- Review DOI websites and procurement solicitations to ensure accessibility and Section 508 compliance;
- Develop and maintain a training program for web managers, procurement officials, IT managers, and human resource representatives to increase awareness of Section 508 requirements and EIT accessibility;
- Publish Section 508 policies and procedures which will be reviewed annually and updated as necessary to ensure compliance with Federal laws and regulations; and
- Establish a centralized location for posting best practices and lessons learned. The DOI Section 508 website and SharePoint Portal will serve as a communication medium for Bureaus and Offices to share information.