



Volume I – Technical

In Support of:

**U.S. Fish and Wildlife Service
Website Rebuild in Drupal
Request for Quote
RFQ# 1620683**

May 5, 2023

Submitted By:
Stealth Solutions, Inc.
46191 Westlake Dr. #112
Sterling, VA 20164



Vested in your success!

Table of Contents

FACTOR 1. TECHNICAL.....	1
1.1 EXECUTIVE SUMMARY.....	1
1.1.1 Notable Drupal CMS Implementations by Team Stealth.....	1
1.1.2 Summary and Stealth Contact Information	2
1.2 TECHNICAL APPROACH	2
1.2.1 Understanding of the Statement of Work (SOW) Requirements.....	2
1.2.2 Technical Approach for Completing the Tasks Outlined in the Statement of Work	2
1.3 REVIEW OF LEGACY SITE TO IDENTIFY OPPORTUNITIES FOR IMPROVING USER EXPERIENCE.....	4
1.4 DESIGN AND DEVELOPMENT OF NEW SITE IN DRUPAL CMS – INCLUDES CONTENT MIGRATION, END USER GUIDANCE, AND TRANSITION TO OPERATIONS SUPPORT	4
1.4.1 Site Design.....	4
1.4.2 Site Development and Content Migration.....	5
1.4.3 End User Guidance / QuickStart Training.....	6
1.4.4 Transition to Operations Support.....	6
1.5 STAFFING PLAN	7
1.5.1 Proposed Personnel.....	7
FACTOR 2. PAST PERFORMANCE	8



Vested in your success!

U.S. Fish and Wildlife Service (USFWS)
Content Management System – Drupal Rebuild
RFQ# 1620683
Volume I – Technical

Factor 1. Technical

1.1 Executive Summary

The US Fish & Wildlife Service (FWS, the Service) needs to modernize the current Invasive Carp Regional Coordinating Committee ([InvasiveCarp.us](#)) website. The current site is built in HTML and requires resources with expertise in HTML, which makes content creation, updates, and publishing complex, time-consuming, and expensive. FWS is seeking an experienced Drupal development group to assess the current site for areas of improvement, rebuild the Invasive Carp site as a small-scale Content Management System (CMS) in the latest version of Drupal, and assist FWS with migrating content to the new site.

Stealth Solutions, Inc. (Stealth) is pleased to introduce our team for this RFP response. Team Stealth is led by Stealth Solutions, an awardee of the GSA MAS and 8a STARS III contract vehicles. Stealth is an Acquia partner, the company that developed and provides all Drupal capabilities. Stealth's overall corporate capabilities are Website Development (Drupal) & Support Services, Cloud Implementation & Support, Technical Project Management, and Grants Management Systems Implementation. Our core experience is assisting Federal, State, and local government agencies to achieve performance and operational efficiencies.

Our contributing subcontractor/teammate, Bravent Systems (Bravent), is a premiere Web Development and Support Services provider for enterprise-level implementations. Bravent's core expertise is Drupal, open-source technology, Microsoft solutions, and DevSecOps.

Team Stealth has provided Drupal development support at the GSA, NIH, DCMA, and Department of Commerce, where we have supported more than 20 websites using Drupal and SharePoint with the Department of Commerce Office of Chief Information Officer (OCIO), Economic Development Authority (EDA), Minority Business Development Authority (MBDA), and National Telecommunications and Information Administration (NTIA).

1.1.1 Notable Drupal CMS Implementations by Team Stealth

URL	Project
https://www.commerce.gov	The main website of the Department of Commerce (DOC)
https://ntia.gov/	NTIA main website
https://www.Mbda.gov	Minority Business Development Agency's website
https://ocio.commerce.gov	Office of the Chief Information Officer, DOC
https://ogc.commerce.gov	Office of the General Counsel, Dept of Commerce website
https://socmed.commerce.gov	Social Media Tracker
https://staff.commerce.gov	Staff Directory website
https://www.gsa.gov/	Central GSA site with access to all of the GSA's resources.
https://www.usa.gov/	Large and popular Drupal implementation which is an online guide to government information and services.
https://www.acquisition.gov/	Federal government's only resource for everything acquisition.
https://www.section508.gov/	Federal government's central website containing accessibility guidelines
https://www.eda.gov/	US Economic Development Administration website

1.1.2 Summary and Stealth Contact Information

Our team has an appreciation and understanding of FWS objectives and the desired state for the InvasiveCarp.us site. Team Stealth has invested in developing and delivering our services to continually enhance CMS implementations, inclusive of User-centered design (UCD), simplification of content creation and maintenance by business users, content governance, best practices-driven development with minimal customization, and strict adherence to compliance, such as Section 508. Our innovations and track record with Drupal development and migration have made us the trusted partner to deliver solutions across federal and commercial sectors.

Team Stealth has provided our technical and managerial aspects, capabilities, and the proposed approach to performing the contract requirements in this Volume 1 – Technical, which also contains our past performance examples. Volume 2 – Price is the Stealth price proposal for all labor categories listed in the RFQ pricing template.

This proposal is valid for 60 days from the date of the proposal submission.

If you have any questions, please feel free to contact Steve Lancaster at steve.lancaster@stealth-us.com or (703) 966-2728.

1.2 Technical Approach

This section covers Team Stealth’s understanding of the Statement of Work Statement (SOW) requirements and approach for successfully delivering on the SOW requirements.

1.2.1 Understanding of the Statement of Work (SOW) Requirements

We understand FWS has a need to modernize its HTML-based Invasive Carp site into Drupal CMS due to bottlenecks with content creation, maintenance, and dependency on resources with HTML expertise. FWS requires a vendor with expertise in migrating legacy sites into Drupal CMS along with content migration. The vendor (Team Stealth) is expected to support the following tasks:

1. Review of the legacy site to identify opportunities for improving user experience.
2. Design and Development of a new site in Drupal CMS – Includes **Content Migration, End User Guidance, and Transition to Operations Support.**

The following sections detail Team Stealth’s approach for addressing FWS’ requirements.

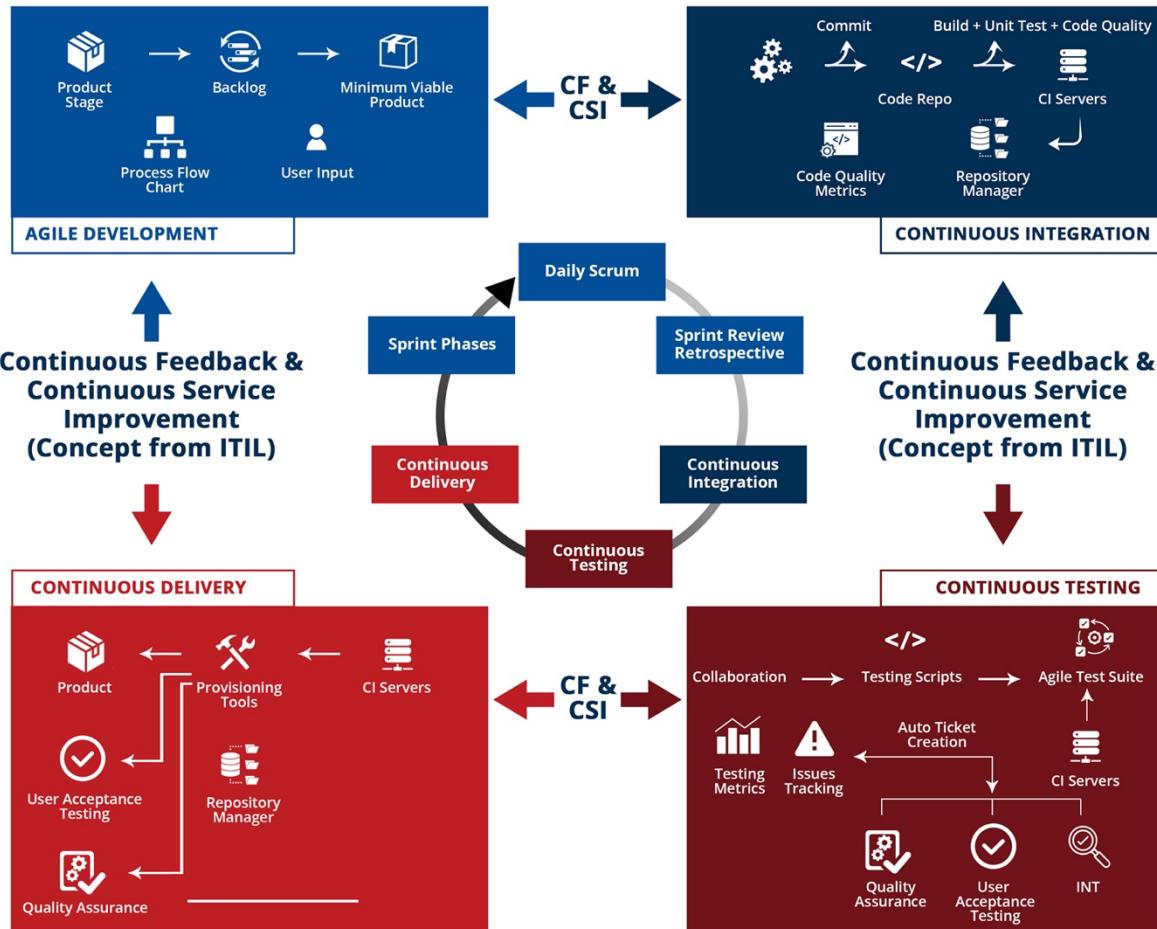
1.2.2 Technical Approach for Completing the Tasks Outlined in the Statement of Work

Team Stealth provides our overall approach and elaborates on the methods for each task from the SOW requirements. This approach refers to the framework for structuring, planning, and controlling the process of developing the Invasive Carp site and transitioning maintenance to FWS operations support.

Team Stealth employs a combination of Agile/Scrum methodology, Development, Security, and Operations (DevSecOps) on all project executions. **Agile** improves the process of delivery –

encouraging changes in the functions and practices to better produce the envisioned product by the end user, whereas **DevSecOps** improves the lead time and frequency of delivery outcomes through enhanced engineering practices, thus promoting a more cohesive collaboration between Development, Security, and Operations teams as they work towards continuous integration and delivery.

Exhibit 1. Team Stealth Supports Continuous Integration and Continuous Delivery (CI/CD) by Combining Agile and DevSecOps Practices



Team Stealth's approach includes four main practices with a series of tools in each practice area: Agile Development, Continuous Integration, Continuous Testing, and Continuous Delivery. These four practices have Continuous Feedback (CF) and Continuous Service Improvements (CSIs) with metrics so we can continue to improve and fine tune to get the desired results for our customers. Our approach results in meeting today's government's need for faster, cost-effective, and more secure solutions. We are pleased to provide extensive details on each of these steps when we are not page constricted.

1.3 Review of Legacy Site to Identify Opportunities for Improving User Experience

As per the SOW, Team Stealth understands that FWS is not expecting a full-fledged redesign as the current site organization and structure are well-liked by users. However, FWS is open to suggestions on improving the user experience.

Team Stealth monitors the industry, maintaining familiarity with current trends/technologies to assist FWS in the assessment and incorporation of design adjustments to the site with features that leverage the best of technologies. This enhances the site in key operational areas such as user experience, accessibility, and functionality. We are planning to leverage our Drupal Designer for a time-bound (**approximately 4 weeks**) engagement to conduct the site review and present suggestions including wireframes for design adjustments. Activities within this task include, but are not limited to:

- Provide vision and tactical guidance with respect to the site design and development, content management, and governance;
- Provide recommendations on how best to enhance and extend the features and capabilities; and
- Advise FWS stakeholders on strategies for rebuilding and use of best practices.

Team Stealth employees have experience providing similar services on SBA.gov resulting in a significant increase in website traffic and overall customer satisfaction.

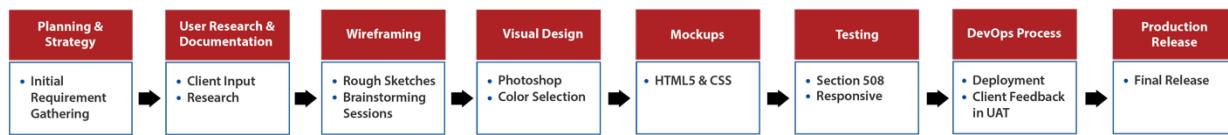
1.4 Design and Development of New Site in Drupal CMS – Includes Content Migration, End User Guidance, and Transition to Operations Support

1.4.1 Site Design

Team Stealth follows the U.S. Web Design System (USWDS 2.0), a library of code, tools, and guidance designed to help federal agencies build fast, accessible, mobile-friendly websites based on best practices. Team Stealth will bring a user-centric design approach to the FWS website's development. Our experienced UI/UX Designer/Themer uses next-generation tools to design wireframes, design mockups, and deliver high-quality websites matching the high-quality mockups, pixel by pixel. Our UI/UX Designer and Developer work together to take the site from concept to delivery.

Exhibit 2. Team Stealth's Comprehensive Web Graphics Design Process

Our UI/UX Design, Templating & Theming Process



As depicted, we follow a meticulous process for designing our sites' templates, layouts, webforms, and workflow. Additionally, we account for a responsive design and accommodate the various mobile form factors as well as touch interactivity.

1.4.2 Site Development and Content Migration

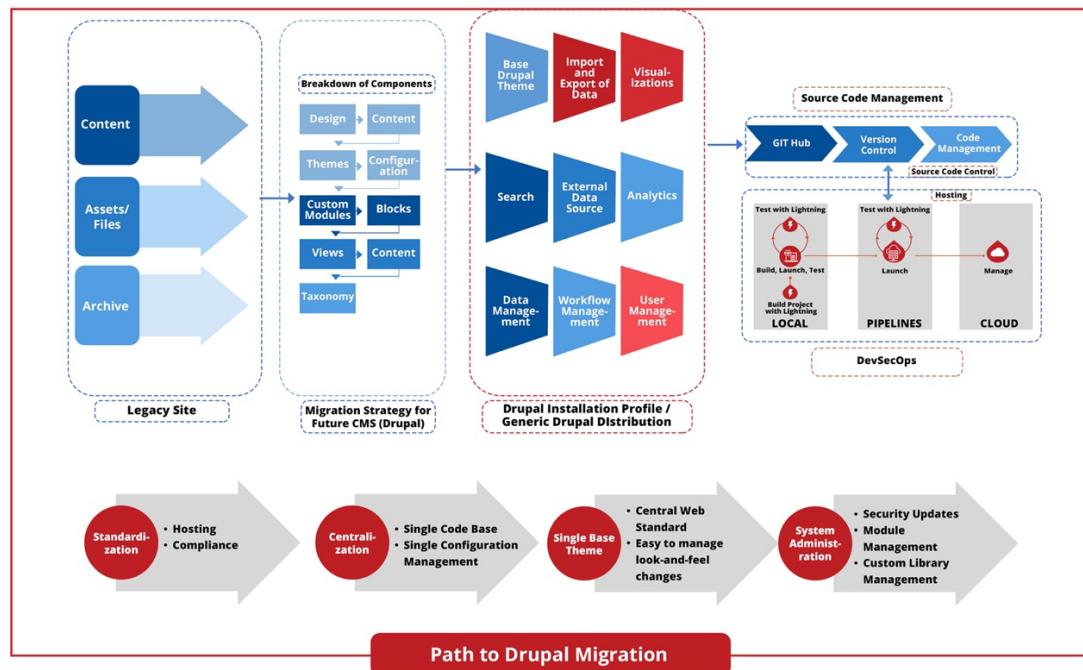
Team Stealth has deep expertise in developing and supporting Drupal sites including configuration of core modules, development of custom modules, taxonomy, blocks, views, and content migration. We have been involved in several Drupal migration projects for several federal agencies and have strong experience in designing migration strategies for websites in multiple different technology stacks to Drupal.

Our objective for FWS is to rebuild the Invasive Carp site that is primarily easy to navigate, search, and easy to create and publish content that is reliable, secure, and compliant by following practices such as **Agile Development, Continuous Integration, Continuous Delivery, and Continuous Testing**.

Team Stealth will begin the development by matching the structure of the current site HTML pages to the required content types. Once the required content types are created then the content and assets from the HTML site are mapped to the appropriate fields and content types in Drupal. Next, content and assets are imported into Drupal followed by thorough testing to ensure all pages and functionality are working as expected, and the site is secure and compliant.

The following process is the culmination of our migration approach which has continually improved over multiple migration experiences.

Exhibit 3. Team Stealth's Proven Process for Migration



Team Stealth typically follows this **13 Step Migration Process**:

1. Analyze all features of the source website.
2. Generalize features common to all pages and subpages.
3. Collect requirements for custom modules or views.
4. Analyze source site content.
5. Configure content types, taxonomy terms, and views.
6. Create images and other design elements.
7. Configure the Home page and other configurations.
8. Set up a web server, DB server; set up for QA, Staging, and Production.
9. Perform data/content/documents migration.
10. Perform content validation, site testing, the “Search” feature, and data download testing.
11. Stage the site release.
12. Perform User Acceptance Testing (UAT) and address UAT feedback.
13. Release into production.

Team Stealth fully embraces Agile as our primary method for software development and starts developing using 2-week sprints. Each Sprint ends with a viable product ready for production release.

1.4.3 End User Guidance / QuickStart Training

To ensure that users are ready to use the Drupal CMS on Day 1, Team Stealth will develop quick reference guides and deliver role-based short training sessions to system users (Content Authors, Editor/Publisher, and Admin), as outlined in the table below.

Content Author		Editor/Publisher	Admin
Objective	Ability to create and edit their content	Ability to edit and publish content	Ability to edit and publish content and perform administrative tasks
Approach	Hands-on session	Hands-on session	Hands-on session
Guides	Quick reference guides / online help	Quick reference guides / online help	Quick reference guides / online help
Duration	2-hours	2-hours	4-hours

As per the SOW, Team Stealth assumes a small-scale site with a simplified content creation and governance workflow and thus does not anticipate a significant effort toward this activity.

1.4.4 Transition to Operations Support

Once the site is built and deployed into production, FWS operations support will take over the site. The FWS Operations Support will be responsible for Drupal CMS production deployment, performing routine maintenance such as upgrades, patches, fixes, backups, and recovery, and providing support to end users. To ensure Operations Support can successfully take over the Drupal site, Team Stealth will conduct knowledge transfer sessions on topics such as CMS deployments, database deployment, backups and recovery, and procedures for upgrades and applying patches for known problems and solutions.

1.5 Staffing Plan

Success requires a high-performing team that understands FWS' mission and priorities, has the experience to deal with complexity, and brings demonstrated experience in delivering solutions for FWS requirements. Based on these criteria, we would provide our Senior Drupal CMS Developer, introduced below, who can successfully and effectively lead the legacy site migration for the Drupal CMS project.

1.5.1 Proposed Personnel

Based on our knowledge and skills from the SOW, as an example we recommend using the following personnel:

Senior Drupal CMS Developer – Ayaskant (AK) Sahu

AK Sahu possesses 16 years of experience in the design and development of large-scale web-based application development for clients in the Financial, Publishing & Entertainment industries, and the Federal Government.

Mr. Sahu has worked on all stages of a software development lifecycle. He is a FULL STACK software developer. His primary area of work is scripting languages such as PHP, Drupal, AngularJS, NodeJS, PERL, PYTHON, Ruby on Rails, and Shell Script. He is proficient in Nginx, Apache, MongoDB, MySQL, PostgreSQL, Drupal, Apache SOLR, Ajax, CSS, and Linux.

His core strengths are in the application of open-source tools and technologies. Apart from development, he is skilled at Linux/Unix-based system administration as well as OS and Web Server Optimization/Fine tuning/Bench Marking/Load Balancing/Clustering technologies. Mr. Sahu is well-versed with Big Data, Cloud implementations involving Amazon web services API and tools. He has the proven ability to jump into new projects and learn new technologies quickly.

In this role, Mr. Sahu has worked as an Architect/Lead Developer on many large-scale federal government projects built with Drupal/Open-Source Stack such as www.usaspending.gov, www.recovery.gov, www.performance.gov, www.itdashboard.gov, www.data.gov, www.sba.gov, goals.performance.gov, www.fedspace.gov, permits.performance.gov, green.sba.gov, www.acquisition.gov, etc.

Team Stealth is pleased to provide his full resume upon request.



Vested in your success!

U.S. Fish and Wildlife Service (USFWS)
Content Management System – Drupal Rebuild
RFQ# 1620683
Volume I – Technical

Factor 2. Past Performance

Team Stealth is pleased to offer the following past performance examples demonstrating our experience in successfully delivering content management systems and support for government agencies.

Reference 1: Department of Commerce, Office of the Secretary, Office of Chief Information Officer – IT Operations and Maintenance (Stealth)

DOC/OCIO IT Operations and Maintenance	
Point of Contact	Name: Dennis Sutch Telephone: (202) 482-2564 Office (202) 730-9453 Mobile Email: DSutch@DOC.gov
Dollar Amount of Project	\$8.27 million
Period of Performance	06/2016 – Present
Project Description	The DOC/OCIO, Office of Enterprise Services and Solutions (OESS) is responsible for delivering IT solutions to the Department. Through this project, OCIO/OESS delivers and supports enterprise solutions to the Department. This includes managing solution delivery projects, eliciting and analyzing requirements, architecting, and designing solutions, developing, and acquiring solution components, configuring and integrating components, testing solutions, deploying solutions, operating and maintaining solutions, and supporting customers in the use of solutions. The websites developed and maintained in this contract all use Drupal. Also, part of the contract we maintain and enhance are DOC OCIO's SharePoint portals.

Reference 2: Department of Commerce's (DOC) National Telecommunications and Information Administration (NTIA) (Stealth)

Department of Commerce NTIA Maintenance of Drupal Websites	
Point of Contact	Name: Markia Williams Telephone: (202) 482-0726 Email: MWilliams@ntia.gov
Dollar Amount of Project	\$2.5 million
Period of Performance	09/2022 – 08/2027
Project Description	Stealth is supporting the Department of Commerce's (DOC) National Telecommunications and Information Administration (NTIA) Information Technology Division (ITD) with development and maintenance of the following five Drupal websites: <ol style="list-style-type: none">1. NTIA's main public website (www.ntia.gov)2. Broadband USA – a website that supports the BroadbandUSA (broadbandusa.ntia.doc.gov)3. Broadband Initiative public website (www2.ntia.doc.gov)4. The Institute for Telecommunication Sciences (ITS) public website (https://www.its.blrdoc.gov/)5. The Federal Government Spectrum Compendium public website (spectrum.gov)



Vested in your success!

U.S. Fish and Wildlife Service (USFWS)
Content Management System – Drupal Rebuild
RFQ# 1620683
Volume I – Technical

Department of Commerce NTIA Maintenance of Drupal Websites	
	<p>We are assisting NTIA with planning, designing, and implementing of above sites. Key activities include:</p> <ul style="list-style-type: none">• Migrating from Drupal 8 to Drupal 9;• Content and documents migration;• Ensuring websites are responsive and mobile-enabled so that it works on Mobile phones, Tablets, and variable desktop screen dimensions/resolutions;• Ensuring sites are section 508 compliant and conform to USWDS (United States Web Design Standards); and• Setting up the Drupal environment and assisting with deployments.

Reference 3: General Services Administration (GSA) Office of Government-wide Policy (OGP) (Bravent)

GSA OGP Development, Modernization, and Enhancements	
Point of Contact	Name: Kevin M. White (REI Systems [Prime Contractor]) Telephone : (571) 926-4781 Email: kwhite@reisystems.com
Dollar Amount of Project	Prime Contract value- \$19 million over 5 years
Period of Performance	10/1/2019 – 09/30/2024
Project Description	This project provides office of GSA IT Management products, services, and maintenance of a cloud DevOps and Agile application development and operations environment (Platform as a Service (PaaS)) as well as the development, modernization, and enhancement (DME) and operations and maintenance (O&M) for a portfolio of government websites and applications. The GSA Office of Government-wide Policy (OGP) maintains a Portfolio of systems and web applications providing communication and coordination support for agencies and departments across the Federal Government and at times industry as well. Each application in the portfolio supports multiple stakeholders due to GSA's unique relationship with agencies, the White House and OMB. Foremost, these websites assist civil servants across the Federal government in tasks including streamlining acquisitions, advancing performance management practices, and enabling universal accessibility. Additionally, GSA's mission is also to demonstrate technology leadership by exemplifying best industry practices. Every day, civil servants across government use sites including GSA.gov, USA.gov, performance.gov, ITDashboard.gov, Acquisition.gov, Digitaldashboard.gov, Section508.gov, IDManagement.gov, Buyaccessible.gov (the Buy Accessible Wizard), PIC.gov, SFTOOL.gov, and FMI.gov to complete their missions. The websites developed and maintained in this contract all use Drupal.

In addition to the references above, Team Stealth has many applicable past performances as listed in the table below.

Agency	Project
Department of Commerce	Commerce.gov website built with Drupal 8
Department of Commerce	OCIO.commerce.gov website
Department of Commerce	Mbda.gov – Minority Business Development Agency's website



Vested in your success!

U.S. Fish and Wildlife Service (USFWS)
Content Management System – Drupal Rebuild
RFQ# 1620683
Volume I – Technical

Agency	Project
Department of Commerce	Acetool.commerce.gov - Provides investment knowledgebase for manufacturers.
Department of Commerce	www.ntia.gov (NTIA's main public website)
Navy Federal Credit Union	Content and Document Management Sites
Small Business Administration	Loan Management Portal
USAID	Prosper Africa Program Web Portal Development and Support Services
US Economic Development Administration	EDA.gov website
US General Services Administration	GSA.gov, GSA's flagship website
US General Services Administration	Section508.gov, the Federal government's central website containing accessibility guidelines
United States Government	USA.gov, the Central website to find any US government services and information