

Power to the People – Enabling Every U.S. Citizen to Participate in Federal Rule Making

Vic Forney

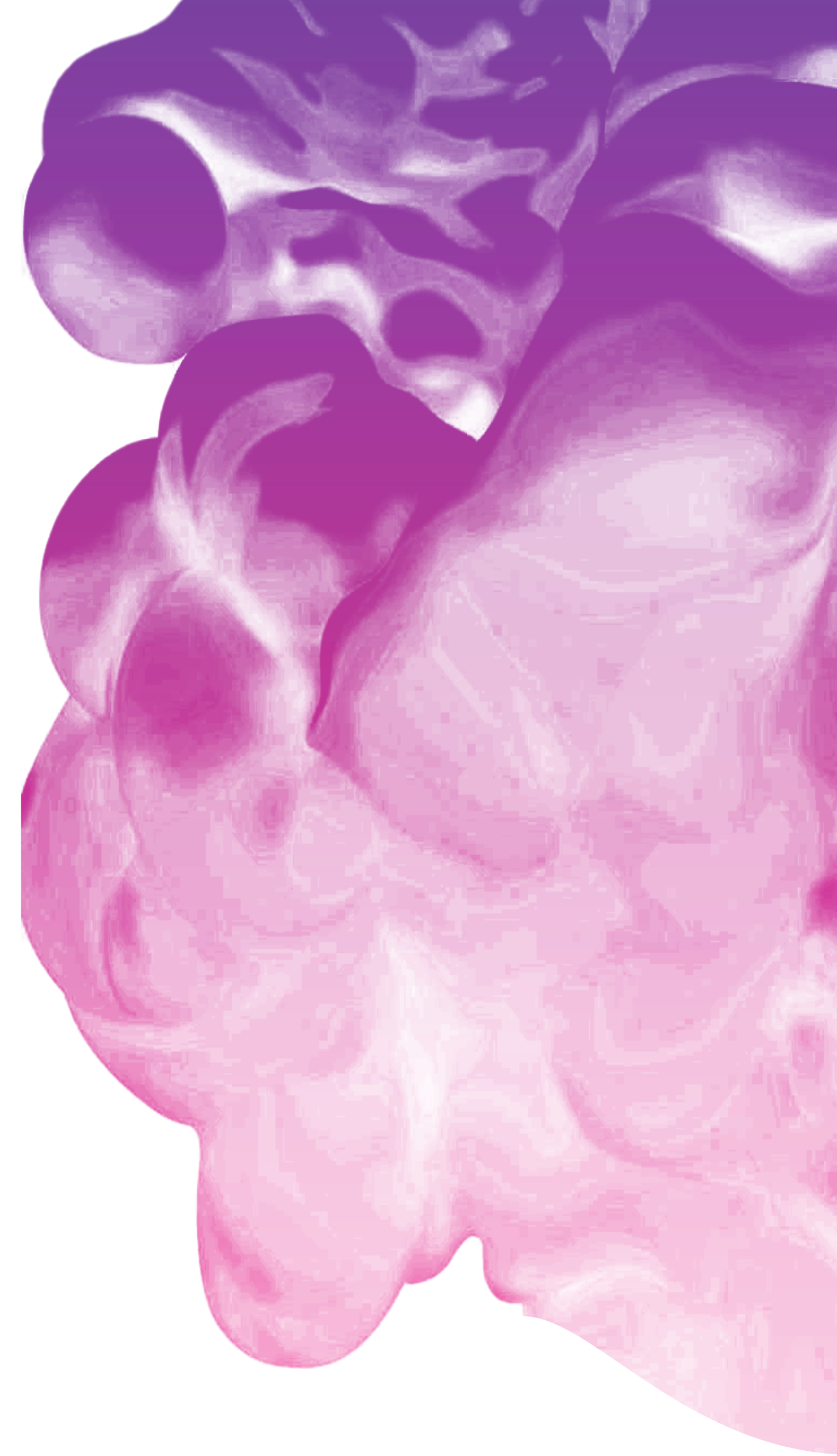
Operations Manager - eRulemaking

Lockheed Martin Information Technology

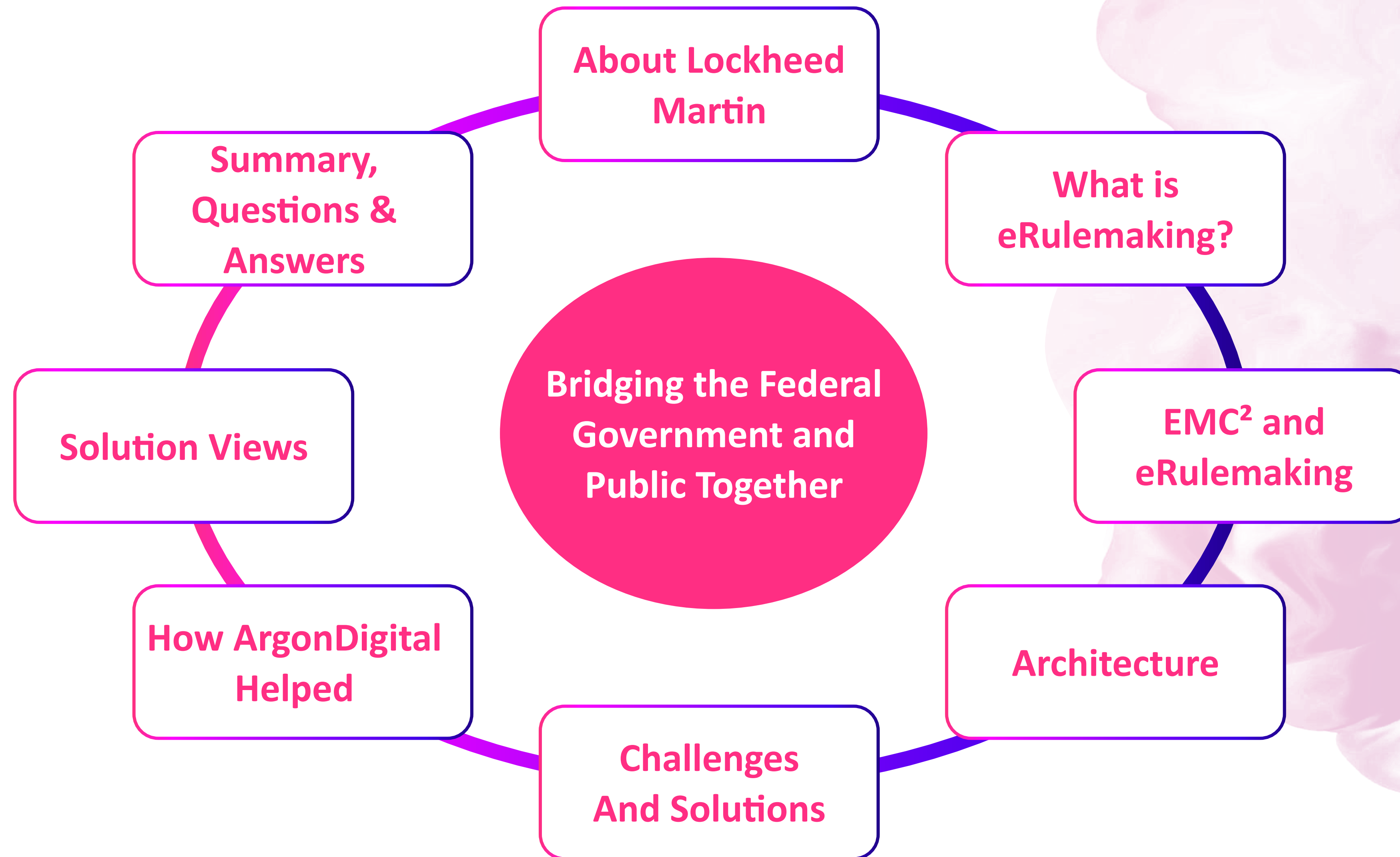
Jason Perkins

Director

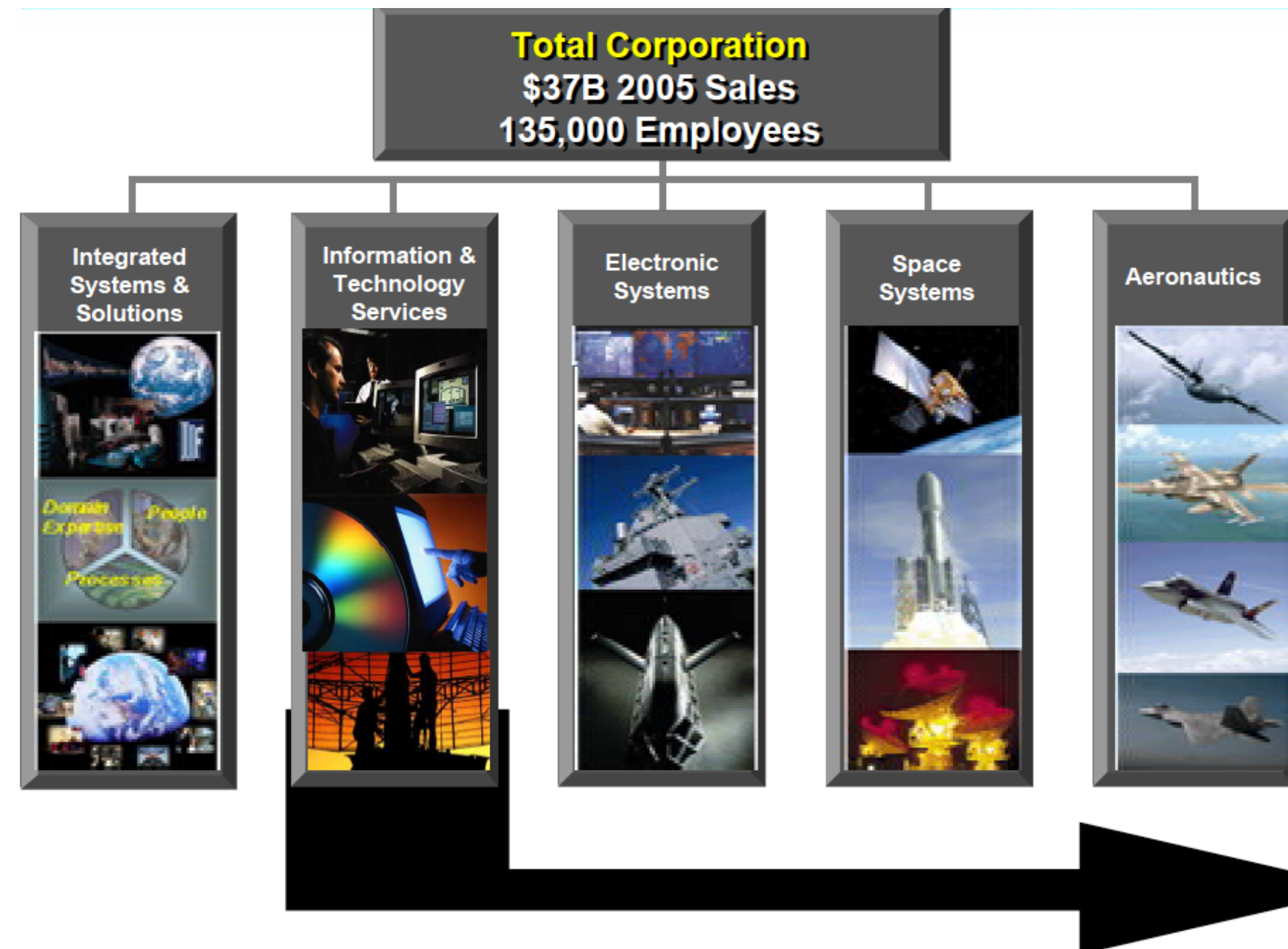
ArgonDigital



Agenda



Lockheed Martin Information Technology

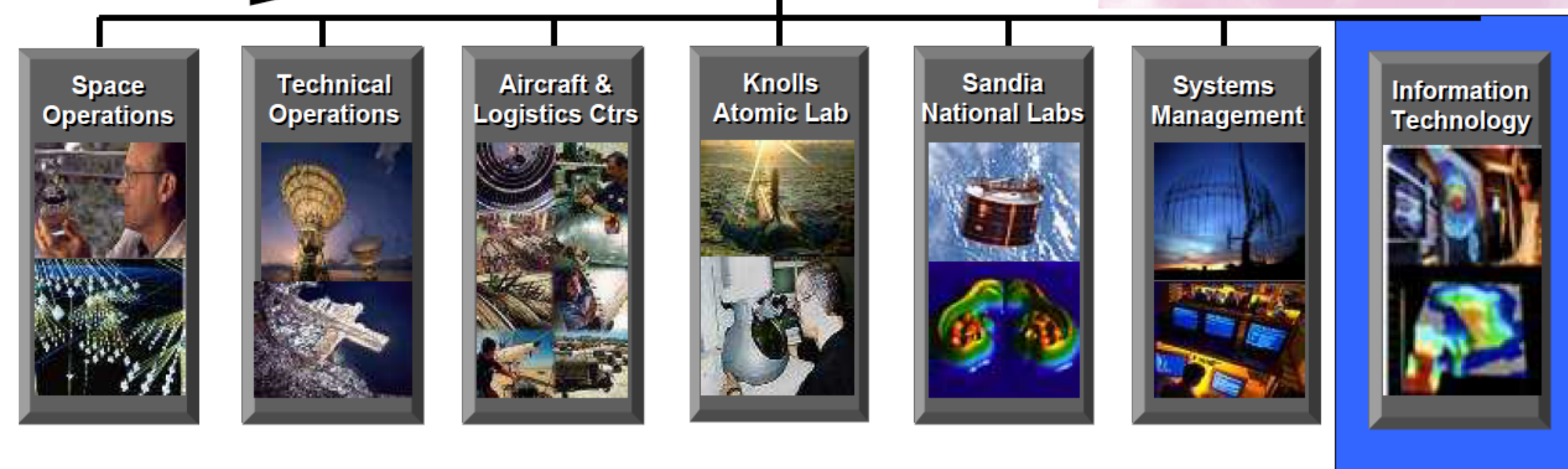


Leading Technology Partner to the Federal Government

- Manage 60% of the world's aircraft traffic
- Support electronic social security disbursements to 35 million Americans
- Support 500,000 Navy Sailors with Pay and Personnel
- Provide IT Support Services for national wild fire fighting resources

Focus On Six Critical Areas Of IT Capabilities And Technology Leadership

- Enterprise Architecture
- E-Government
- Homeland Security
- Information Assurance
- Systems Integration
- Privatization & Outsourcing



Powered by Innovation, Guided by Integrity

eRulemaking Program Overview

Authority: E-Government Act of 2002 (H.R. 2458/S. 803) Section 206 directs Federal Agencies to post to the Internet regulatory dockets and accept electronic submissions to online dockets via Regulations.gov

Vision: Citizens can easily access and participate in a high quality, efficient, and open rulemaking process.

Scope: 150 Federal Rulemaking Entities

Approach: Inter-agency collaboration
Project Management Office
EPA, Managing Partner, leads initiative

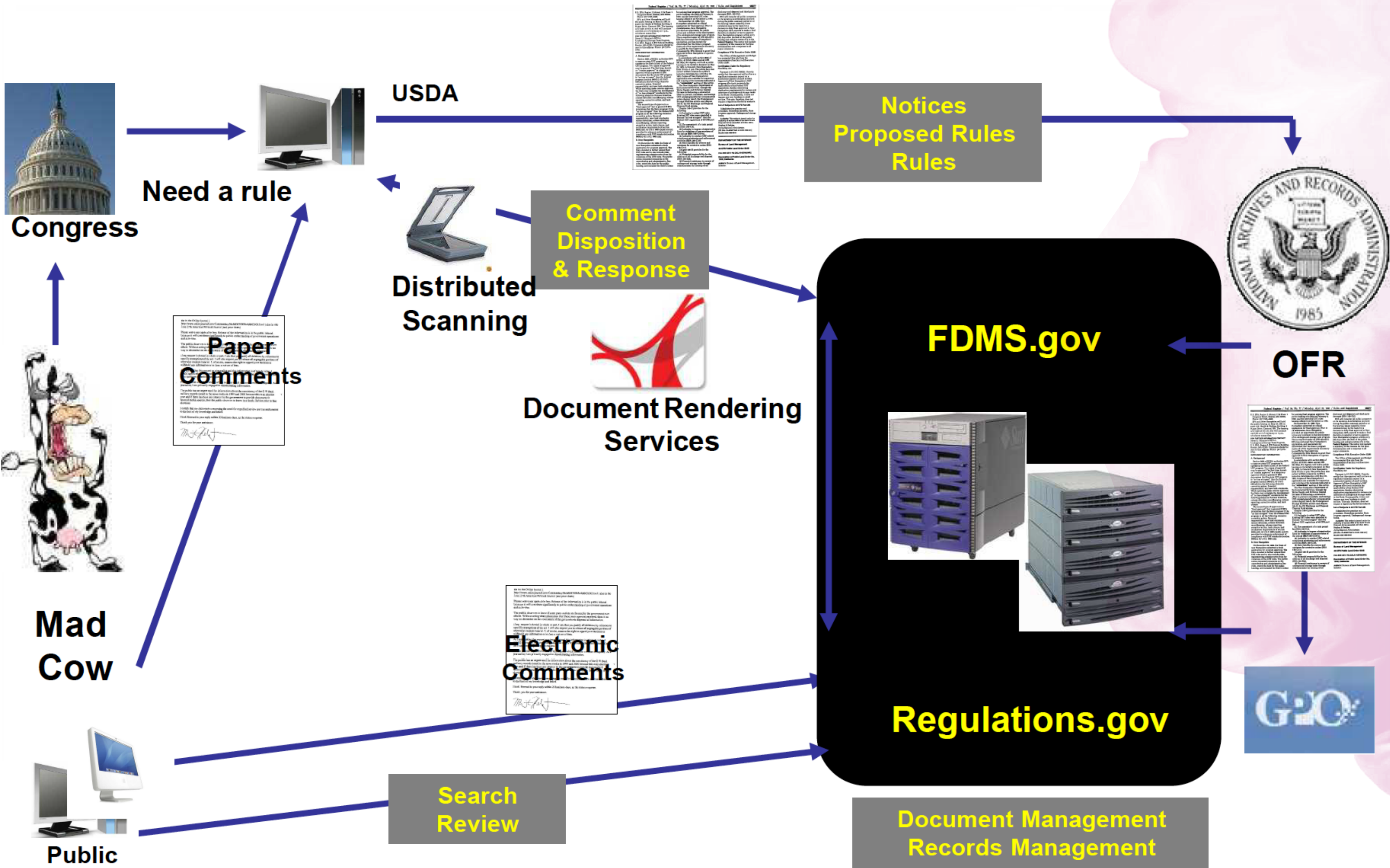
Project Plan: Regulations.gov (Module 1 - retired) Federal Docket Management System (2nd generation Regulations.gov - Module 2) Rule Writer's eToolbox (Voluntary) (Module 3)

One of 25 eGov Initiatives using Information Technology across Federal Agencies to meet citizens needs

Benefits of eRulemaking

Previous Operations	eRulemaking Initiative Benefits	Value
Multiple IT systems providing redundant services at a greater cost to the government.	Single solution providing shared services across the federal government	Lower Cost to the Public
Multiple web sites and methods required to view and comment on rule making documents.	Single location for the public to find, read, comment, and participate in the rule making process	Increased Public Involvement
Each agency provided their own level of service, information, help and support resulting in inconsistent results.	Standardization of service to the public	Increased Responsiveness to Public

eRulemaking Concept of Operations



eRulemaking by the Numbers

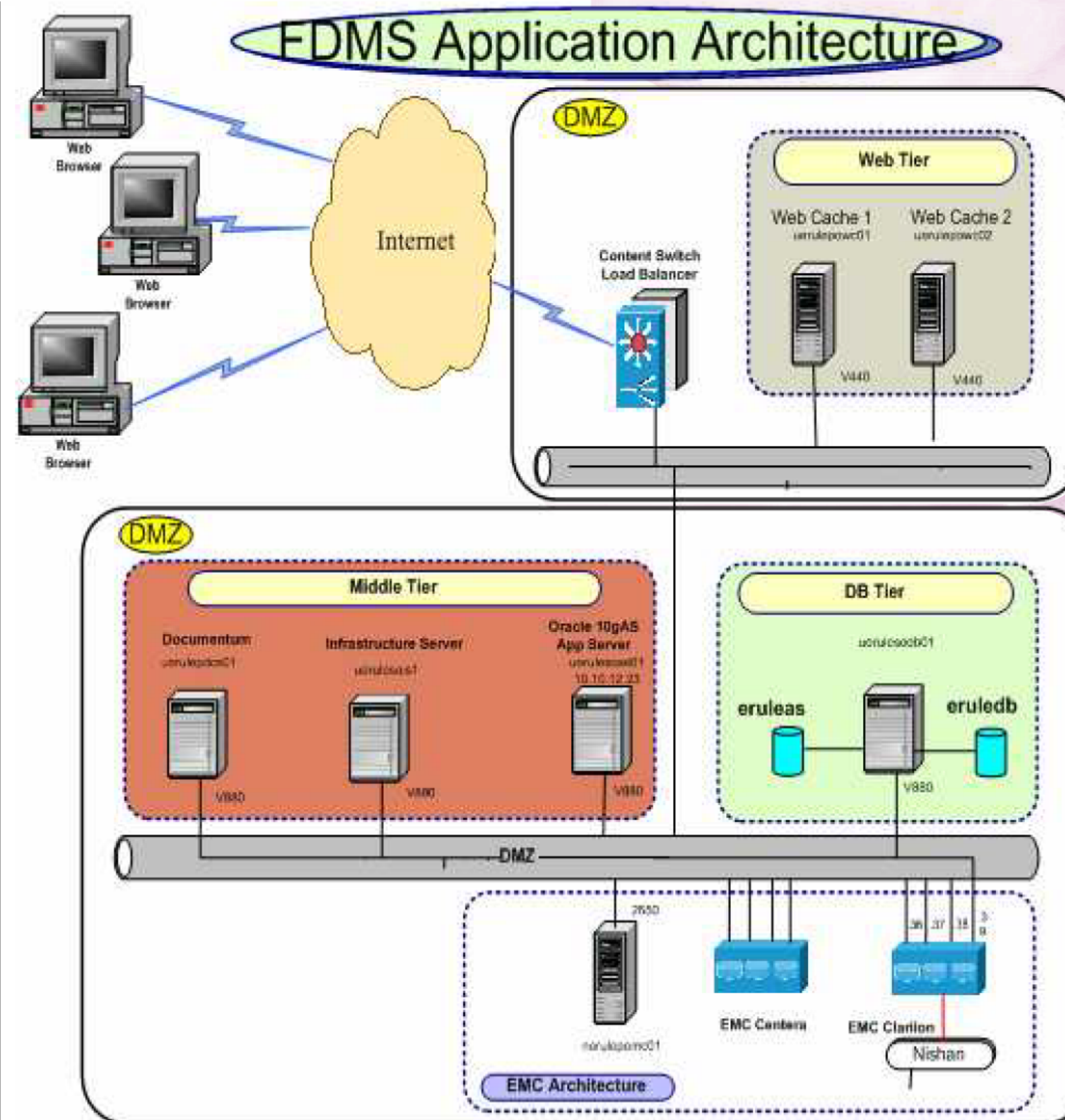
Measure	Current	1 Year Projection
Average Number of Hits Per Month	2.85 Million	6 Million
Total Number of Dockets	38,400	80,000
Total Number of Documents	285,000	700,000
Number of Agency Users	1,700	4,000
Database Size	3.2 Gb	7 Gb
Content Size	240 Gb	600 Gb
Rules per week (avg.)	660	700
Supporting materials per week (avg.)	450	800
Public Comments per week (avg.)	855	2,000

As of July 30, 2006

eRulemaking - Deployed Technologies

Secured and public access

Web Tier	Load Balanced Oracle Web Cache Sun-Fire v440 servers
Middle Tier	Oracle Identity Management (OIM) Sun-Fire v880 Oracle Application Server 10g Sun-Fire v880 Oracle HTTP Server (OHS) Oracle AS Containers for J2EE (OC4J)
Data Tier	Oracle Database Sun-Fire v880 with 4 CPUs and 8 GB memory Documentum Content Server 5.3 SP 3 EMC disk storage units Clariion 2.8 TB Centera 7.0 TB
Development	Documentum 5.3 SP 3 WDK J2EE, PVCS, Compuware
Data Capture	Captiva Kofax



Challenges - Single Repository

Challenge:

How to allow anonymous access by the public and secured access by Agencies to the information without duplicating information

Approach:

Selected Content Server over Web Publishing

Allow immediate access by public upon posting by agency

Outcome / Value:

- Single Docbase repository providing single copy of documents and content
- Assurance in management of record materials
- Immediate accessibility by public users upon posting of information by agency

Challenges - Single Repository

Challenge:

Designing flexible system allowing each agency to tailor the system to meet their specific business process requirements

Approach:

Build a framework that allows each agency to modify metadata labels and attributes and allowing modification of workflow assignments

Outcome / Value:

- Agency administrators have the ability to customize the metadata labels and attributes for visibility by public and if required entry
- Agencies define their workflow process steps based on their requirements.
- Flexibility of configurations within a framework to ensure compatibility across all agencies for consistent presentation to the public.

Challenges: Excessive Access Control Lists

Challenge:

Architecture caused excessive and increasing number of ACLs
Impact on performance
- Over 300,000 ACLs

Approach:

Worked with ArgonDigital and Documentum Professional Services and define and select “to be” architecture and migration path

Outcome / Value:

Definition of Standard and Non-Standard Dockets
Set all documents within a docket with the same permissions
Original requirement was implemented to worst case New design focused on exception management where most documents maintain the same set of permissions
Reduction of ACLs by 66.7%

Challenges - Advanced Development

Challenge:

Advanced system development and services required to meet schedule and technical baseline

Approach:

ArgonDigital Contract established for: Custom Component Development
- Advanced Technical Consulting Services

Outcome / Value:

Components Development –

- Upload multiple files without client applet object
- Met requirement for NO mobile code Consulting -
- Improvement in performance and system reliability for Public Access and Session Sharing
- Analysis of application code with recommendations and plan for upgrading to 5.3 from 5.2.5 sp2
- Decreased schedule and technical risk with upgrade by identifying code challenges, potential issues and new functions capable of improving system performance
- Additional considerations based on analysis of features and changes of the 5.3 WDK

How ArgonDigital Helped

- ArgonDigital developed custom components for system end users and system administrators
 - Created custom Java components that would allow users of the FDMS system to upload and view docs without the use of Applets.
 - Since the FDMS is open to the public, relying on an applet was unreasonable
- Helped develop and build several WDK screens of the FDMS system, including:
 - Document Post to Public Functionality
 - Inbox, Sandbox, and Work Queue Views
 - Agency Admin Keyword
- Lent Documentum expertise to help LMIT hit their goals

How ArgonDigital Helped

About ArgonDigital

- ArgonDigital provides services and related products to companies that have initiatives targeted at managing and extracting value from intellectual assets.
- Since 1999, we've leveraged the Documentum platform to deliver breakthrough business solutions across a variety of industries.
- ArgonDigital is a Documentum Signature Partner, a member of the elite Select Services Team (SST), and serves on Documentum's Product Advisory Council.

For more information on **ArgonDigital**, please visit www.argondigital.com



Information Structure Overview

Docket Metadata

Docket Number Format
What elements will be used
What labels display to public
Default Permissions

Document Metadata

What elements will be used
What labels display to public
Default Permissions & Assignments

Agency Administrator
Agency Viewer
Docket Manager
Rule Writer



User

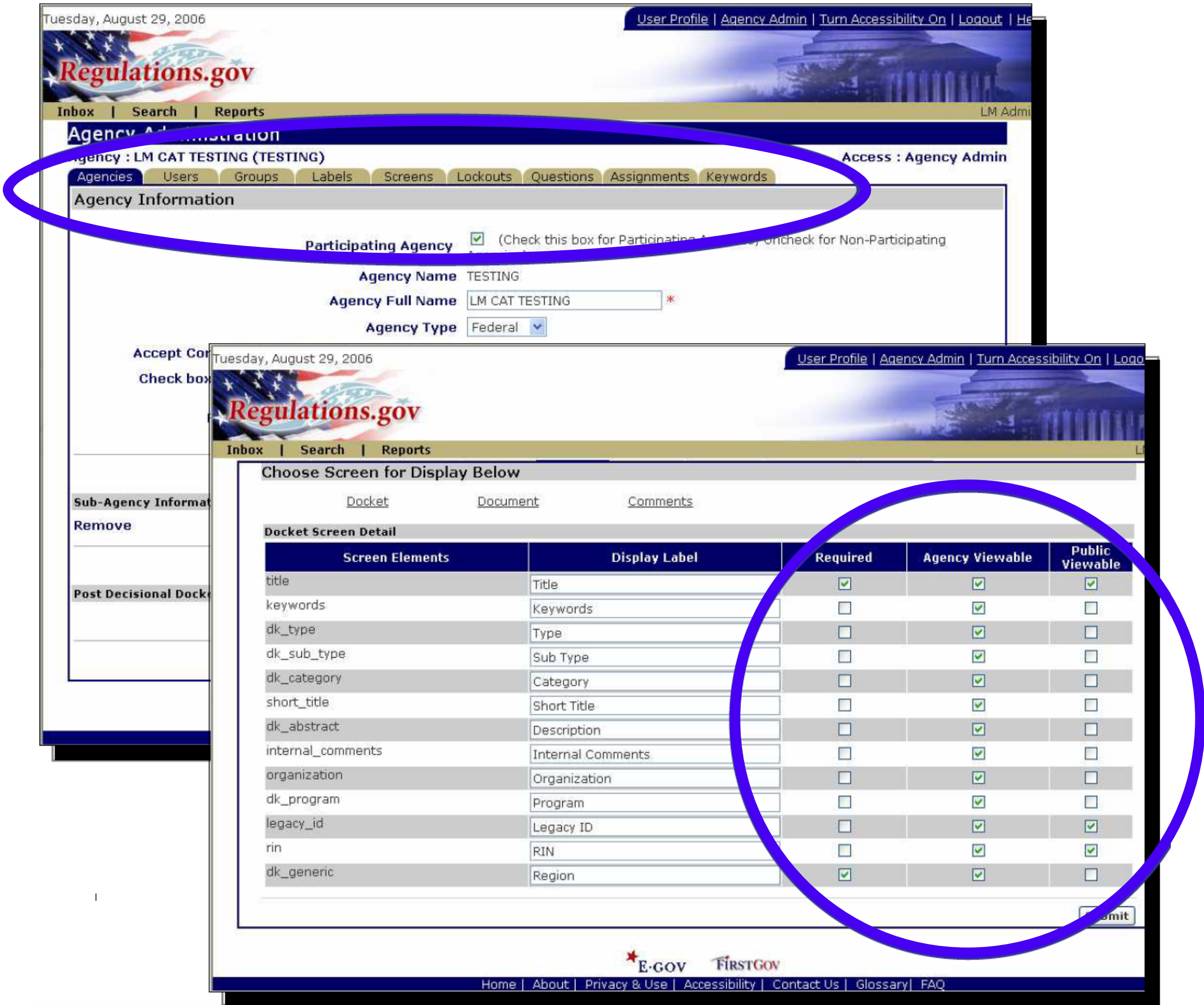


*URXS

Docket Level
Document Level

Each Agency manages their configuration

Solution – Screenshots, Features



Agency Administration:
Controls Users
System Attributes
Screen Labels
Required Values
Viewable by Public
Groups
Account
Administration

Agency Users: Inbox View

Tuesday, August 29, 2006

User Profile | Agency Admin | Turn Accessibility On | Logout | Help

Regulations.gov

Inbox | Search | Reports

LM Admin

Inbox | Sandbox | Access Requests | Work Queue

Search

Add New Docket | Add New Document

Page 1 of 4

Number of Rows to Display 10

☒ Save as Default Filter

Show Me All Documents That I can Edit Created Within the Past 6 Month(s) With a Status of Any

GO

Document ID	Title	Type	Status	Current Assignee	My Permissions	Last Updated	Actions	Export
TESTING-2006-0001-0004	Comment on FR Doc #	PUBLIC SUBMISSIONS	Posted	LM Admin	Read / Write	8/25/06 11:00 AM	 	<input type="checkbox"/>
TESTING-2006-0001-0006	Title	NOTICES	Posted	LM Admin	Read / Write	8/25/06 4:23 PM	 	<input type="checkbox"/>
TESTING-2006-0001-0009	Comment on FR Doc # FR Number	PUBLIC SUBMISSIONS	Posted	LM Admin	Read / Write	8/11/06 10:11 AM		<input type="checkbox"/>
TESTING-2006-0001-DRAFT-0010	Comment on FR Doc #	PUBLIC SUBMISSIONS	Pending_Post	LM Admin	Read / Write	8/28/06 10:14 PM		<input type="checkbox"/>
TESTING-2006-0003-0001	test case 12	NOTICES	Posted	LM Admin	Read / Write	8/20/06 12:17 AM	 	<input type="checkbox"/>
TESTING-2006-0003-0002	test case number 3	SUPPORTING & RELATED MATERIALS	Posted	LM Admin	Read / Write	8/18/06 2:18 PM		<input type="checkbox"/>
TESTING-2006-0003-0003	second test test case number 3	SUPPORTING & RELATED MATERIALS	Posted	LM Admin	Read / Write	8/18/06 2:18 PM		<input type="checkbox"/>
TESTING-2006-0003-DRAFT-0004	test case number 9	SUPPORTING & RELATED MATERIALS	Pending_Post	LM Admin	Read / Write	7/26/06 4:04 PM		<input type="checkbox"/>
TESTING-2006-0003-DRAFT-0004.1	test case number 9	SUPPORTING & RELATED MATERIALS	Pending_Post	LM Admin	Read / Write	8/25/06 3:41 PM		<input type="checkbox"/>
TESTING-2006-0003-DRAFT-0004.2	test case number 9	SUPPORTING & RELATED MATERIALS	Pending_Post	LM Admin	Read / Write	8/25/06 3:41 PM		<input type="checkbox"/>

Export

E-GOV FIRSTGOV

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Agency Users:
Advanced Filters
control users views for
assigned work based
on Docket or Document
Default filters set and
saved by each user

Agency Users – Metadata controls

Tuesday, August 29, 2006 [User Profile](#) [Agency Admin](#) [Turn Accessibility On](#) [Logout](#) [Help](#)

[Search](#) [Reports](#)

Document Management
Document ID: TESTING-2006-0001-0006 Docket ID: TESTING-2006-0001
[Details](#) [Assignments](#) [File Set](#) [Permissions](#) [Copy/Move](#) [Rendering](#) [Questions](#)

* denotes required field

Docket ID:

Docket Phase:

Phase Sequence:

Title:

Subject:

Abstract:

Document Type:

Document Sub-Type:

CFR Citation:

Source Citation:

Authors:

Author Date:

Post Mark Date:

File Type:

Media:

Page Count:

Start End Page:

Paper Width:

Paper Length:

Exhibit Type:

Exhibit Location:

Special Instructions:

Effective Date:

OMB/PRA Approval Number:

Received Date:

Legacy ID:

RIN:

Document Status
Status:

Federal Register Details
FR Volume Number:

Federal Register Number:

Date Posted:

Comment Start Date:

Comments Due:

Implementation Date:

Do you want to accept Public Submissions on this Document after the Comment End Date? ☐ Yes ☒ No [Learn More](#)

Restrict Document ☐ Yes, restrict this Document ☒ No

Permission/Assignment Configuration ☒ Standard Document ☐ NonStandard Document [Learn More](#)

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Agency Users:

Document

Management

Metadata

Permissions

Assignments

Content and

Content Rendering

Agency Users – Document Relationships

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Manage Documents within this Docket [Add New Phase](#) [Rename](#) [Delete](#)

Phase - Sequence
Sort by Creation Date: Asc
[Desc](#)
[Open - 1](#)
[Open - 2](#)
[Open - 3](#)
[Open - 4](#)

Documents
Phase: [Open](#) Sequence: [1](#) Status: [Posted](#)
[Post This Sequence](#)
Number of rows to display [10](#)

FR Document (Not Specified):

Document ID	Title	Type	Status	Comments	Actions	Export
TESTING-2006-0003-0001	test case 12	NOTICES	Posted	0		<input type="checkbox"/>
TESTING-2006-0003-DRAFT-0009	test case 12	NOTICES	Draft	0		<input type="checkbox"/>
TESTING-2006-0003-DRAFT-0007	test case 12	NOTICES	Draft	0		<input type="checkbox"/>
TESTING-2006-0003-DRAFT-0011	N	NOTICES	Draft	0		<input type="checkbox"/>

Number of rows to display [10](#)

Supporting Documents: [Add New Document to this Sequence](#) [Bulk Import](#)

Document ID	Title	Type	Status	Actions	Export
TESTING-2006-0003-0002	test case number 3	SUPPORTING & RELATED MATERIALS	Posted		<input type="checkbox"/>
TESTING-2006-0003-0003	second test test case number 3	SUPPORTING & RELATED MATERIALS	Posted		<input type="checkbox"/>

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Agency Users:
Docket Content and
organization

Public: Access to Published Documents

The image displays two screenshots of the Regulations.gov website interface. The top screenshot shows the main search page with a search bar and various filters. The bottom screenshot shows the 'Advanced Search - Document' page with more detailed search options like Document ID, Title, CFR, and Date Posted.

Search Regulations and Federal Actions

- [All Documents Open for Comment](#)
- [All Documents Published for Comment Today](#)
- [Regulations by Topic](#)
- [Comments Due Today](#)

Search Regulations and Federal Actions
* indicates Agency posts Federal Register documents, supporting materials and public submissions on this site.

Search for: ☒ Documents Open for Comment ☐ All Documents

Agency:

And

Document Type:

And

Keyword or ID: [Searched Fields](#)

☒ Exact Phrase ☐ Any Word

Advanced Search - Document

* indicates Agency posts Federal Register documents, supporting materials and public submissions on this site.

Agency:

Document ID:

Document Title:

CFR:

CFR Citation:

Document Type:

Document Sub Type:

Date Posted From: To:

Comment Period End From: To:

Keyword: [Searched Fields](#)

☒ Exact Phrase ☐ Any Word

Search For: Search for items that contain any/all of search criteria.

Limit Results To: Per Page

Public Access:
Target Open For
Comment Documents
Quick Links
Basic Search
Advanced Search for
All Documents

Documents

Public Access:
Electronic Comments
with Attachments
Required Metadata
Configurable by
Agency

Comment Form	
Docket Information	
Docket ID	APHIS-2006-0012
Long Title	Animal Welfare; Animal Identification Standards
Document Information	
Document ID	APHIS-2006-0012-0001
Document Title	Animal Welfare; Animal Identification Standards
How to Comment	<p>The informational meetings will be held in the following locations:</p> <ul style="list-style-type: none"> • USDA Center at Riverside, 4700 River Road, Riverdale, MD; • The Harvard Club, 370 Commonwealth Avenue, Boston, MA; • Department of Agriculture, 5925 Florida Boulevard, Baton Rouge, LA; • University Plaza Hotel and Conference Center, 333 S. John Q. Hammons Parkway, Springfield, MO; • South Denver Chamber of Commerce, 6840 South University Boulevard, Centennial, CO; and • Homewood Suites Hilton, 11025 Vista Sorrento Parkway, San Diego, CA. You may submit comments by either of the following methods: • Federal eRulemaking Portal: Go to http://www.regulations.gov and, in the Search for Open Regulations box, select Animal and Plant Health Inspection Service from the agency drop-down menu, then click on Submit. In the Docket ID column, select APHIS-2006-0012 to submit or view public comments and to view supporting and related materials available electronically. After the close of the comment period, the docket can be viewed using the Advanced Search function in Regulations.gov. • Postal Mail/Commercial Delivery: Please send four copies of your comment (an original and three copies) to Docket No. APHIS- 2006-0012, Regulatory Analysis and Development, PPD, APHIS, Station 3A- 03.8, 4700 River Road Unit 118, Riverdale, MD 20737-1238. Please state that your comment refers to Docket No. APHIS-2006-0012. Reading Room: You may read any comments that we receive on this docket in our reading room. The reading room is located in room 1141 of the USDA South Building, 1400 Wood and Independence Avenue, SW., Washington, DC. Normal reading room hours are 9 a.m. to 4:30 p.m., Monday through Friday, except holidays. To be sure someone is there to help you, please call (202) 690-2817 before coming. Other information: Additional information about APHIS and its programs is available on the Internet at http://www.aphis.usda.gov.
Submitter Information	
<p>* # First Name <input type="text"/></p> <p># Middle Initial <input type="text"/></p> <p>* # Last Name <input type="text"/></p> <p>Mailing Address <input type="text"/></p> <p>* # City <input type="text"/></p> <p>* # Country <input type="text" value="United States"/> Learn more</p> <p>* # State or Province <input type="text" value="- Select One -"/></p> <p>Postal Code <input type="text"/></p> <p>Email Address <input type="text"/></p> <p>Phone Number (format: ###-###-####) <input type="text"/></p> <p>Fax Number <input type="text"/></p> <p># Organization Name <input type="text"/></p> <p># Submitter's Representative <input type="text"/></p> <p># Government Agency Type <input type="text" value="- Select One -"/> Learn more</p> <p># Government Agency <input type="text" value="- Select One -"/></p>	<p>* denotes required field</p> <p># denotes public viewable field</p>
Comments	
<p>*General Comments</p> <div> <input type="text"/> </div>	
Attachments	
<p>Click here to view acceptable file types Learn More</p> <div> <input type="text"/> <input type="button" value="Browse..."/> <input type="button" value="Add Attachment"/> </div> <p>First click Browse to find the file you wish to attach, then click Add Attachment to attach the file to your comment.</p>	
Privacy Information	
<p>Please see the Privacy and Use Notice regarding comment submission.</p> <p>The general policy for comments and other submissions from members of the public is to make these submissions available for public viewing on the Internet as they are received and without change, including any personal identifiers or contact information. For any agency specific information, see the Federal Register Notice on which you are commenting.</p>	
Action	
<input type="button" value="Cancel/Exit"/> <input type="button" value="Next Step"/>	

Public Access:
Electronic Comments
with Attachments
Required Metadata
Configurable by
Agency

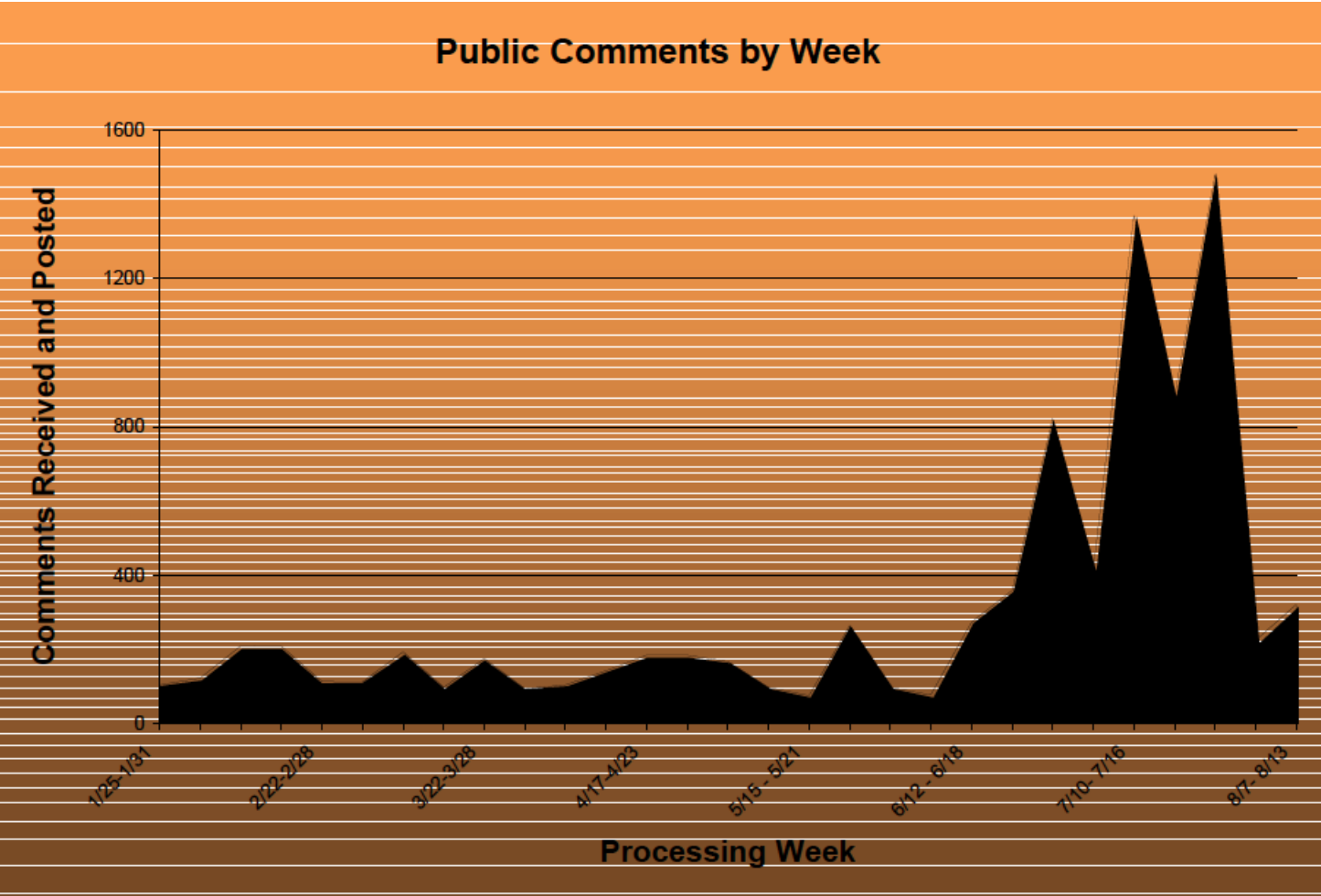
Future Partnership Options

- Future opportunities to work together
 - Documentum upgrade
 - Content migration projects leveraging DIXI™, ArgonDigital's import and export tool that is Designed for Documentum
 - 300Gb of data to migrate over next quarter
 - Additional data required to migrate over next year

eRulemaking Access and Usage

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eRulemaking Access and Usage



Agency usage is consistent with variable public usage

Proposed rules drive public involvement

