



SOA Symposium – Federal Enterprise Architecture Update

April 2, 2009

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Federal Chief Architect**





Agenda



- Federal Enterprise Architecture
- Segment Architecture – Snapshot
- Recovery.gov Architecture



FEA Website Facelift

OFFICE OF
MANAGEMENT AND BUDGET

Fiscal Year 2010 Budget of the U.S. Government

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Management

- E-Gov
- Federal Financial Management
- Federal Procurement Policy
- Grants Management
- Program Performance
- Recovery Act Guidance

OMB
NEWS RELEASES

OMB Director Applauds House and Senate Committees' Approval of 2010 Budget Resolutions (March 26, 2009)

Home > Management > E-Gov

Federal Enterprise Architecture (FEA)

Got questions? Send email to fea@omb.eop.gov

Guidance

- [Federal Segment Architecture Methodology \(FSAM\)](#) (FSAM website)
- [Consolidated Federal Segment Architecture Methodology](#) (CIO Council website)
- [FEA Practice Guidance](#) (PDF, 1,839kb)
- [Practical Guide to Federal Service Oriented Architecture](#) (CIO Council website)

FEA Reference Models

- [Consolidated Reference Model Version 2.3](#) (PDF, 655kb)
- [Consolidated Reference Model - Download XML](#) (XML, 444kb)
- [Data Reference Model 2.0](#) (PDF, 1470kb)
- [FY10 FEA Reference Model Mapping Quick Guide](#) (PDF, 322kb)

Management Tools

EA Segment Reporting

- [EA Segment Report](#) (PDF, 345kb)
- [EA Segment Report Template](#) (XLS, 330kb)
- [EA Segment Reporting-Chief Architects - Start Here](#) (Max ID Required)
- [Memorandum to CIO and Chief Architects 02-06-2009](#)

<http://www.whitehouse.gov/omb/e-gov/fea/>



Federal IT Budget

Federal IT Spending by Agency

Agency	Number of Investments	FY2009 Request			
		Total	DME	SS	
Department of Agriculture	235	\$2,429	\$477	\$1,952	
Department of Commerce	146	\$2,295	\$877	\$1,418	
Department of Defense	2,194	\$33,032	\$11,945	\$21,087	
Department of Education	229	\$593	\$55	\$539	
Department of Energy	651	\$2,038	\$208	\$1,830	
Department of Health and Human Services	684	\$5,681	\$1,017	\$4,663	
Department of Homeland Security	343	\$5,317	\$1,731	\$3,586	
Department of Housing and Urban Development	82	\$313	\$52	\$262	
Department of the Interior	236	\$965	\$139	\$826	
Department of Justice	234	\$2,750	\$902	\$1,848	
Department of Labor	137	\$542	\$102	\$439	
Department of State	103	\$1,045	\$241	\$805	
U.S. Agency for International Development	39	\$103	\$36	\$67	
Department of Transportation	321	\$2,981	\$1,604	\$1,377	
Department of the Treasury	305	\$3,061	\$563	\$2,499	
Department of Veterans Affairs	84	\$2,534	\$640	\$1,894	
U.S. Army Corps of Engineers	29	\$392	\$37	\$356	
Environmental Protection Agency	157	\$455	\$92	\$363	
General Services Administration	82	\$558	\$84	\$473	
National Aeronautics and Space Administration	43	\$1,874	\$348	\$1,527	
National Archives and Records Administration	26	\$136	\$72	\$64	
National Science Foundation	24	\$83	\$20	\$63	
Nuclear Regulatory Commission	53	\$155	\$35	\$120	
Office of Management and Budget	3	\$5	\$1	\$4	
Office of Personnel Management	37	\$89	\$19	\$69	
Small Business Administration	31	\$85	\$15	\$70	
Smithsonian Institution	24	\$66	\$5	\$61	
Social Security Administration	34	\$1,139	\$342	\$798	
Federal Grand Total:		6,566	\$70,716	\$21,657	\$49,060



FEA Budget Visualization – BRM & SRM View

Core Mission

	Number of Investments	FY2009 Request*	
Services to Citizens	2,291	\$29,677	42%
Defense and National Security	268	\$11,594	
Health	494	\$5,398	
Transportation	183	\$3,128	
Homeland Security	135	\$2,551	
Community and Social Services	39	\$1,188	
General Science and Innovation	218	\$960	
Environmental Management	173	\$860	
Law Enforcement	89	\$834	
Income Security	34	\$591	
Education	137	\$591	
Disaster Management	129	\$575	
Intelligence Operations	40	\$471	
Economic Development	64	\$281	
Natural Resources	120	\$231	
Correctional Activities	6	\$110	
Workforce Management	42	\$107	
Energy	54	\$71	
International Affairs and Commerce	33	\$70	
Litigation and Judicial Activities	33	\$66	

Business Services

	Number of Investments	FY2009 Request*	
Support Delivery of Services	828	\$2,987	4%
General Government	219	\$1,914	
Planning and Budgeting	248	\$455	
Public Affairs	112	\$249	
Controls and Oversight	156	\$224	
Revenue Collection	27	\$79	
Internal Risk Management and Mitigation	18	\$40	
Regulatory Development	40	\$26	
Legislative Relations	8	\$0	

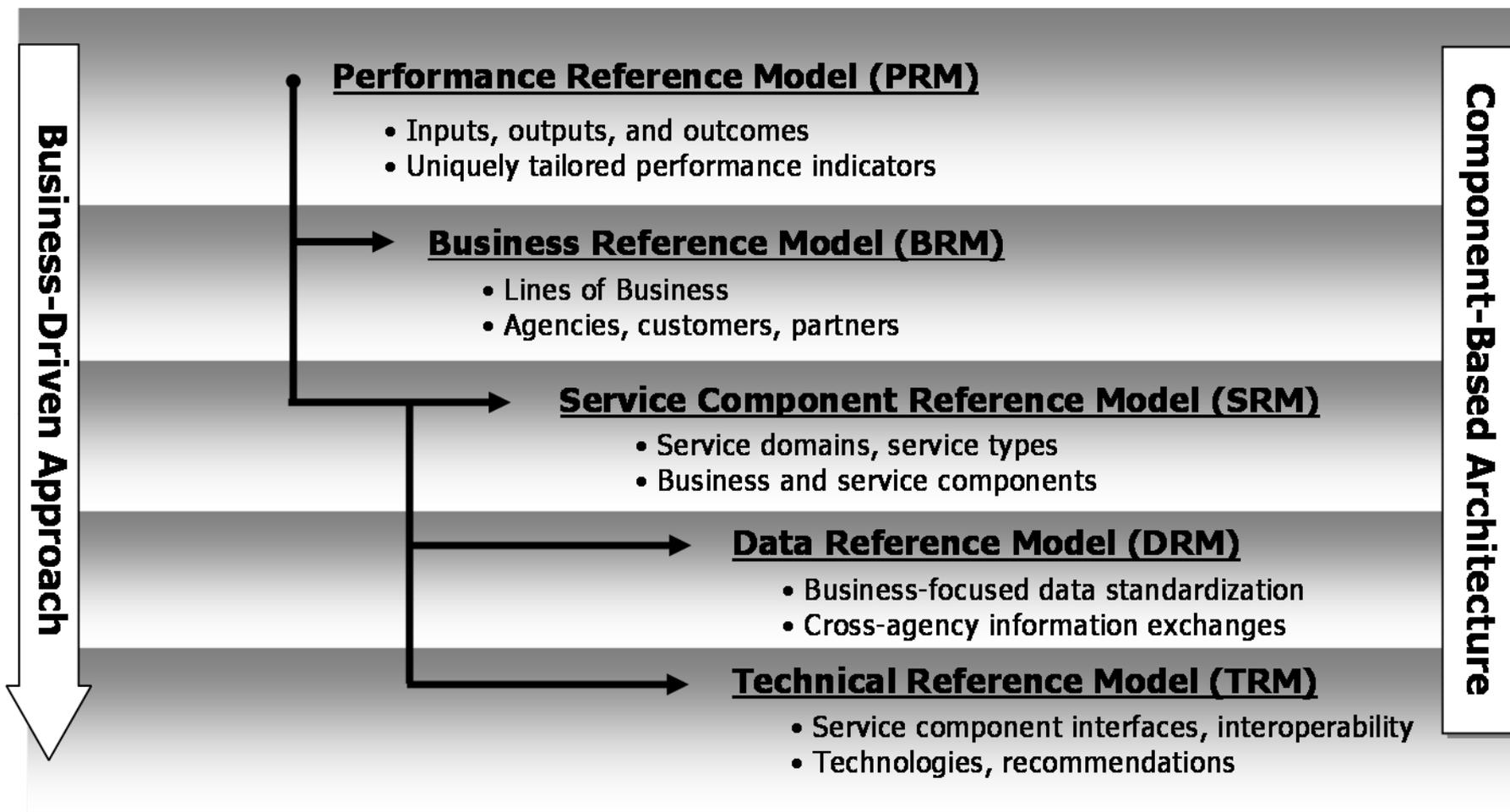
	Number of Investments	FY2009 Request*	
Management of Government Resources	3,262	\$33,447	47%
Information and Technology Management	1,390	\$25,894	
Supply Chain Management	583	\$2,605	
Financial Management	538	\$2,448	
Human Resource Management	480	\$1,590	
Administrative Management	271	\$910	

	Number of Investments	FY2009 Request*	
Supporting Services	185	\$4,606	7%
Management of Processes	22	\$2,149	
Development and Integration	6	\$1,506	
Communication	9	\$189	
Asset / Materials Management	10	\$131	
Systems Management	4	\$91	
Customer Initiated Assistance	8	\$87	
Knowledge Management	20	\$81	
Supply Chain Management	10	\$69	
Security Management	16	\$69	
Human Resources	9	\$67	
Customer Relationship Management	13	\$44	
Knowledge Discovery	4	\$34	
Investment Management	11	\$27	
Document Management	3	\$22	
Data Management	8	\$17	
Tracking and Workflow	7	\$8	
Financial Management	10	\$7	
Reporting	5	\$3	
Collaboration	2	\$2	
Visualization	3	\$1	
Content Management	1	\$1	
Forms Management	2	\$0	
Analysis and Statistics	1	\$0	
Search	1	\$0	

Enterprise Services



FEA Context – Reference Models



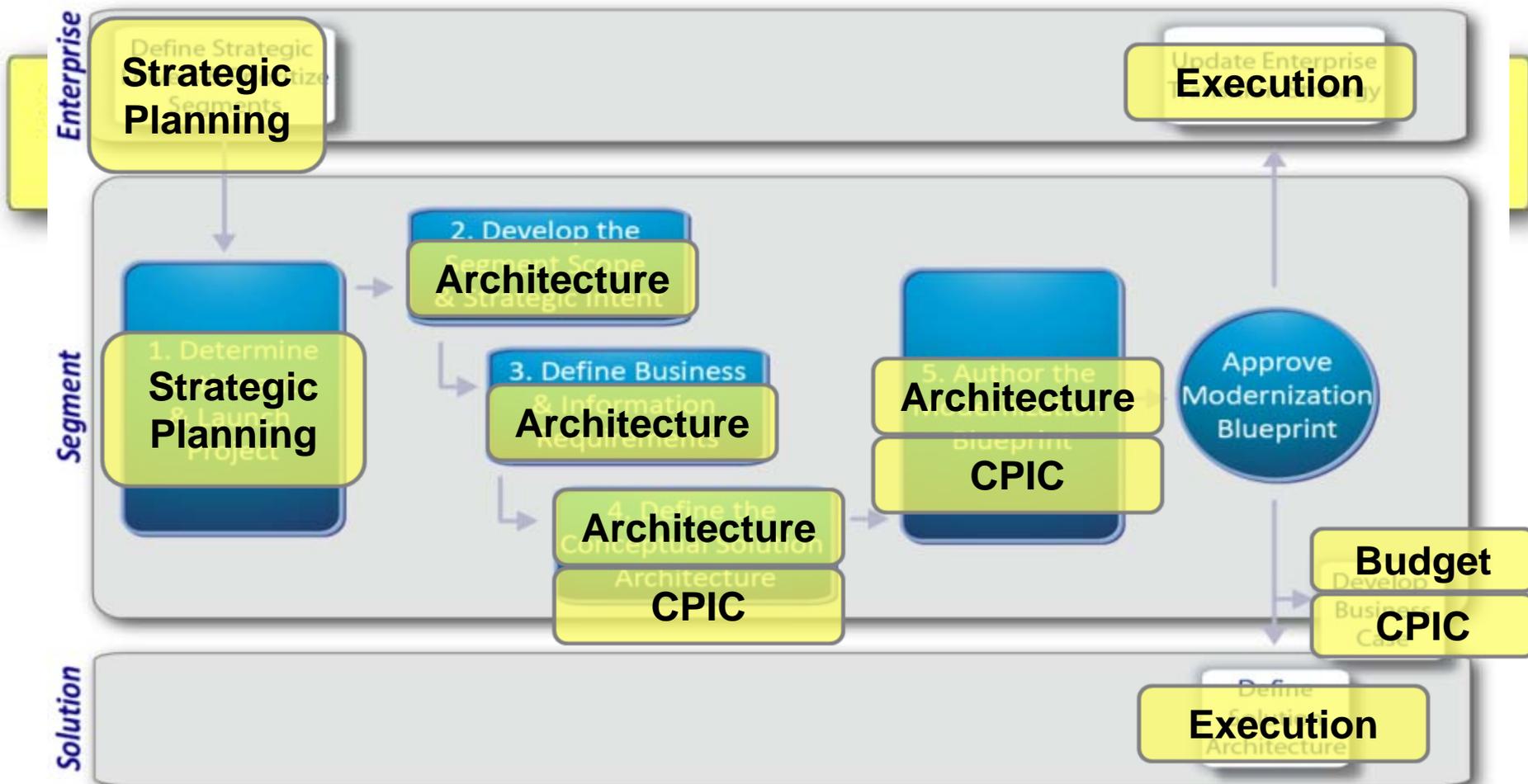


FEA Context – Architecture Levels

Level	Scope	Detail	Impact	Audience
Enterprise Architecture	Agency/ Organization	Low	Strategic Outcomes	All Stakeholders
Segment Architecture	Line of Business	Medium	Business Outcomes	Business Owners
Solution Architecture	Function/ Process	High	Operational Outcomes	Users and Developers



Federal Segment Architecture Methodology





Reporting Schedule and Requirements

	Q2			Q3			Q4			Q1		
	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Exhibit 53/300 Reporting	→			✓	→			✓	✓	✓		
	Prep. of President's Budget		OMB develop initial draft Guidance (Circular A-11)		Agencies Building Business Cases Using EA			Agencies submit budget request to OMB		OMB Initial Passback		
EA Segment Reporting	✓			✓			✓			✓		
	All Segments Identification & Mapping			All Segments Based on Maturity			All Segments Updates/Additions			All Segments Updates/Additions		
Agency EA Self Assessment and EA Submission					✓			✓			✓	
				Completion			Use			Results		
Success Stories and/or Case Studies			✓			✓			✓			✓
	Agencies Submit 1-2, OMB Shares w/ USG											
OMB Review & Assessment of Agency EA (EAAF v.3)						✓			✓	✓		✓
OMB Feedback to Agency on EA Assessment	✓						✓			✓		

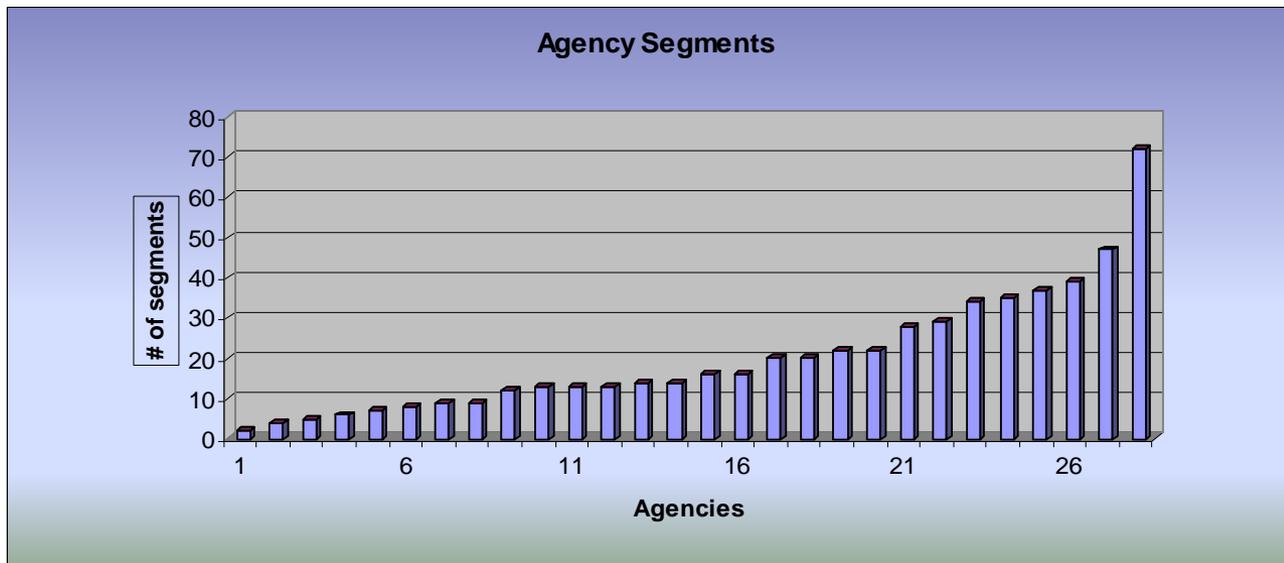


February EASR Ver 1.1 Submissions

- Government-wide: 566 discrete segments reported
- Major opportunities include:
 - Collaborative Segment Development Efforts
 - Re-use/Sharing of EA Artifacts to expedite Planned and In Progress Segments
 - Improved Integration of EA & CPIC
- Major improvement areas:
 - Opportunities to improve submission process and tools
 - Standardization in segment nomenclature
 - Targeted data quality improvements

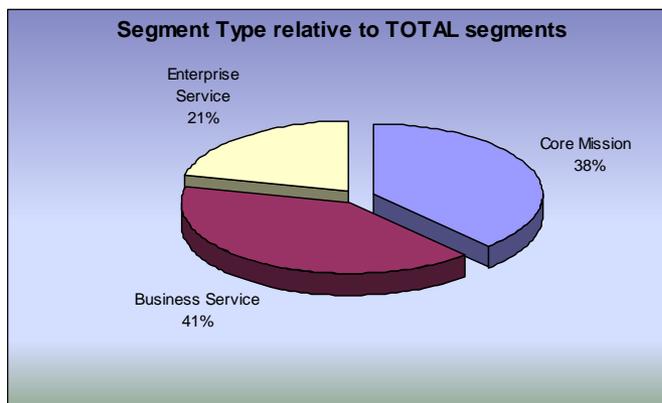


EASR Trends and Observations

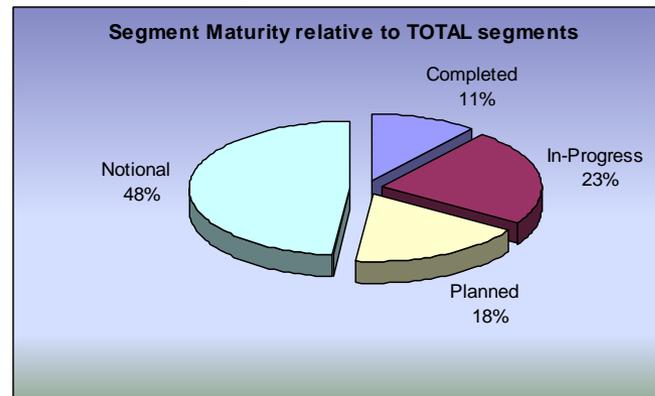


Segment Summary:
EASR Agencies = 28
Discrete Segments = 566
Agency High = 72
Agency Low = 2
Agency Average = 21.2

By Segment Type...



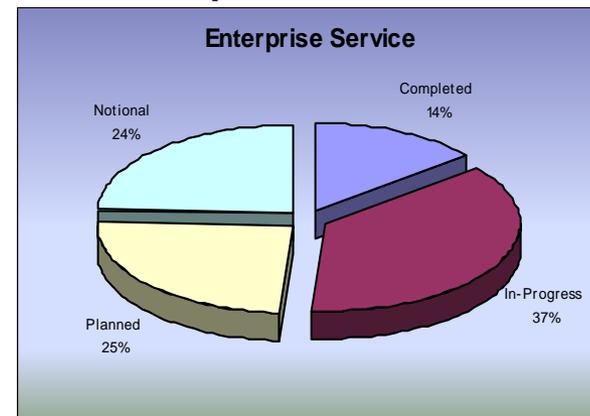
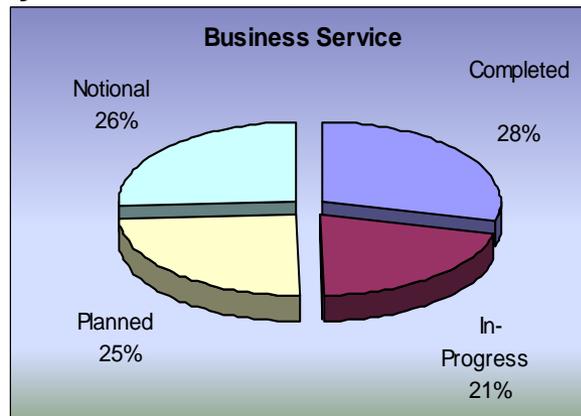
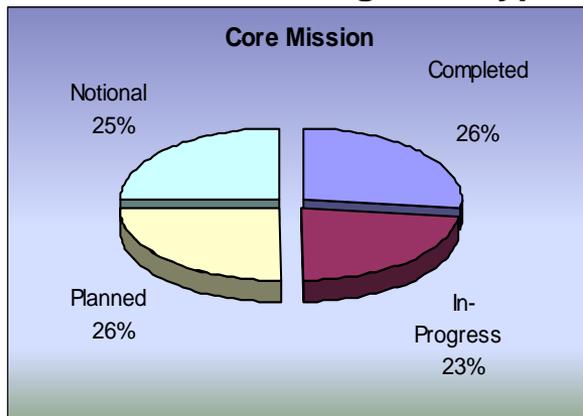
By Segment Maturity...





EASR Trends and Observations

Breakdown of Segment Types by Core Mission, Business Services and Enterprise Service:



Potential Shared Architecture Development Efforts:

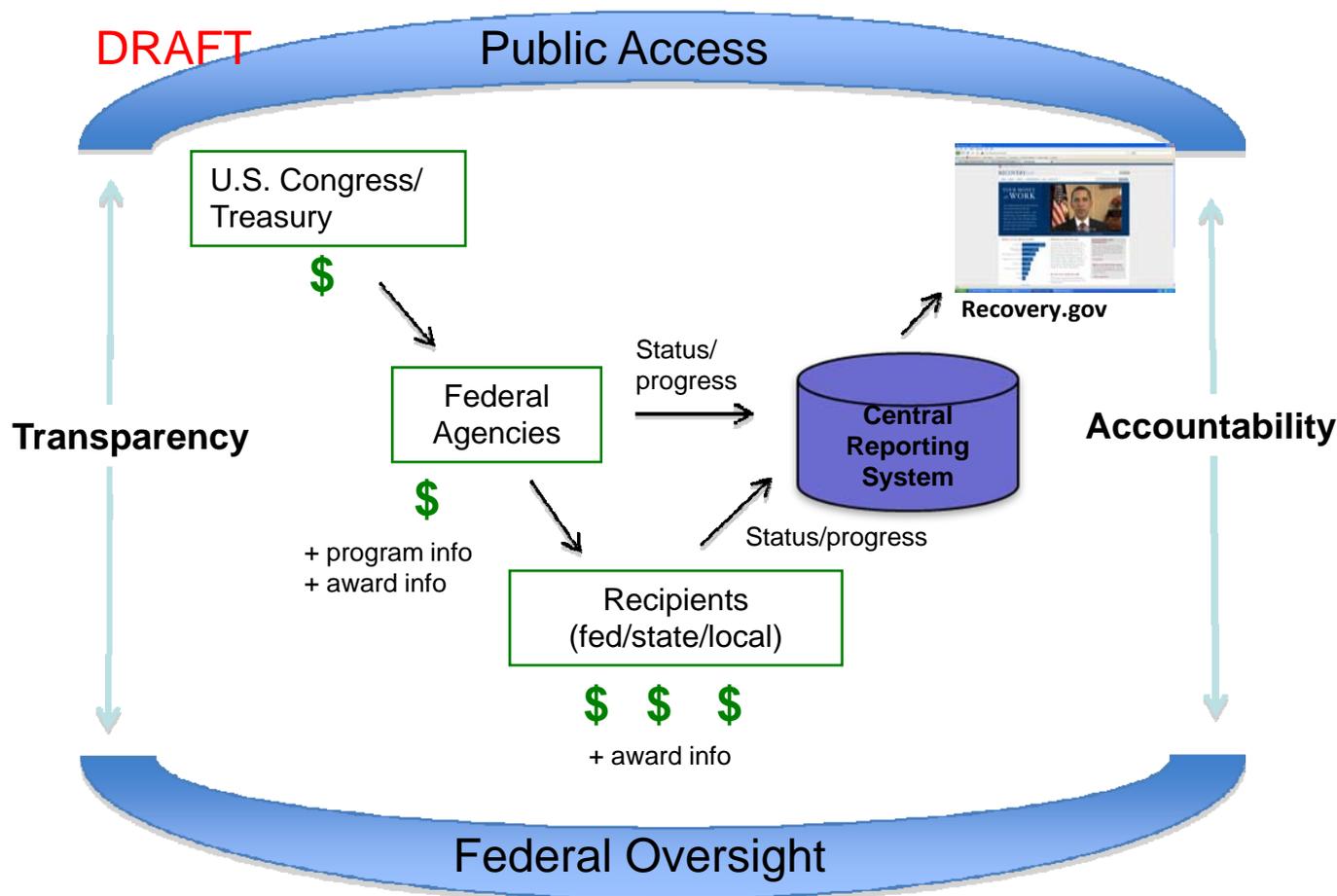
FEA PMO CLASSIFICATION	Segment Maturity				Grand Total
	Completed	In-Progress	Planned	Notional	
Financial Management	9	7	8	7	31
Geospatial Services	1	3	2	2	8
Health		1		4	5
Health Information Technology				1	1
Identity Management		2		1	3
Information Sharing (USG or PM-ISE)	2	2	2	5	11
IT Infrastructure	2	14	5	6	27
Records Management	1	3	1	2	7
IT Management		1		1	2
Grand Total	15	33	18	29	95

Major Opportunities for Collaboration

- Agency segments identified by Maturity
- Agency segments identified by LoB



Recovery.gov Concept of Operations



\$ - Taxpayer stimulus dollars and associated financial activity reports



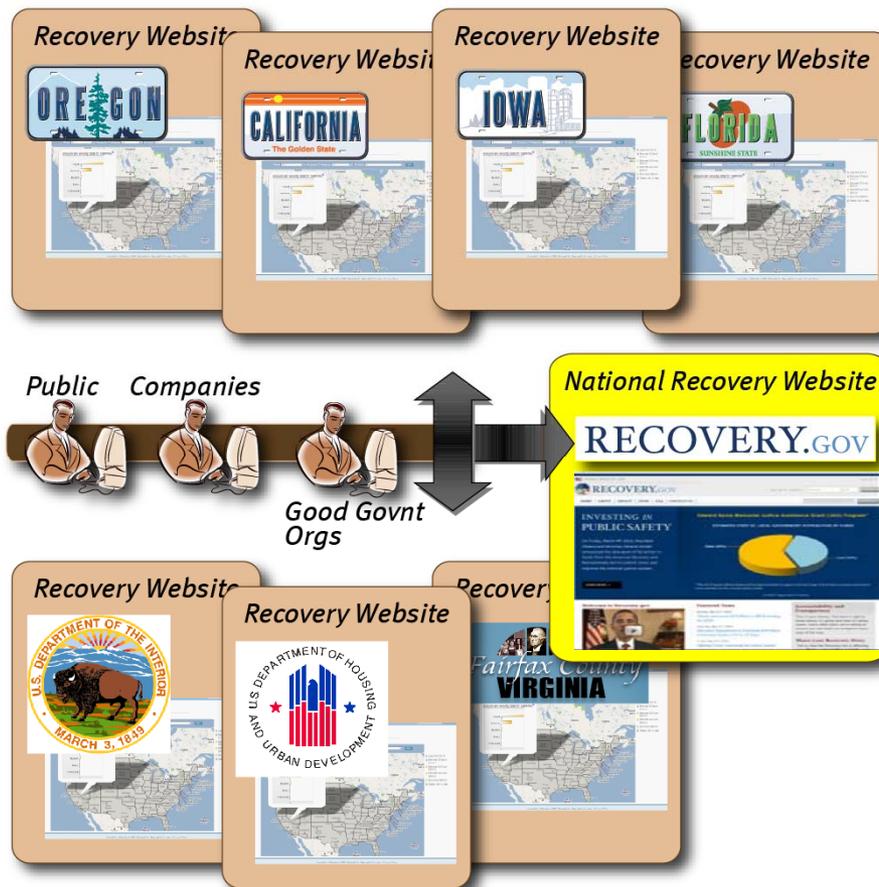
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Recovery.gov Stakeholders

One piece of a broad Transparency and Accountability Effort...

Other Stakeholders

- Congress
- Inspectors General
- Federal Agencies
- OMB
- State, Local, Tribal Governments





Recovery.gov Conceptual Solution Architecture

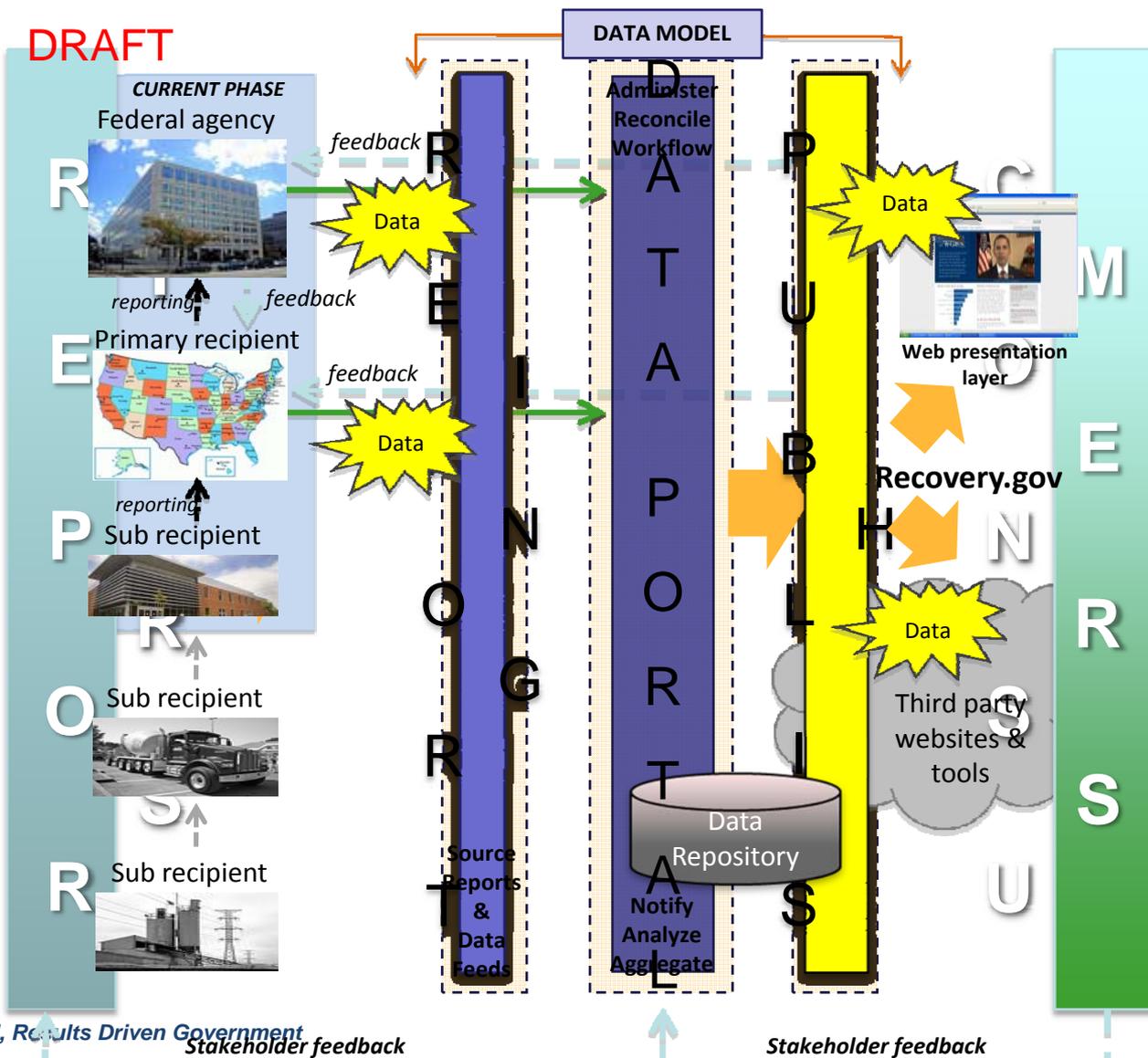
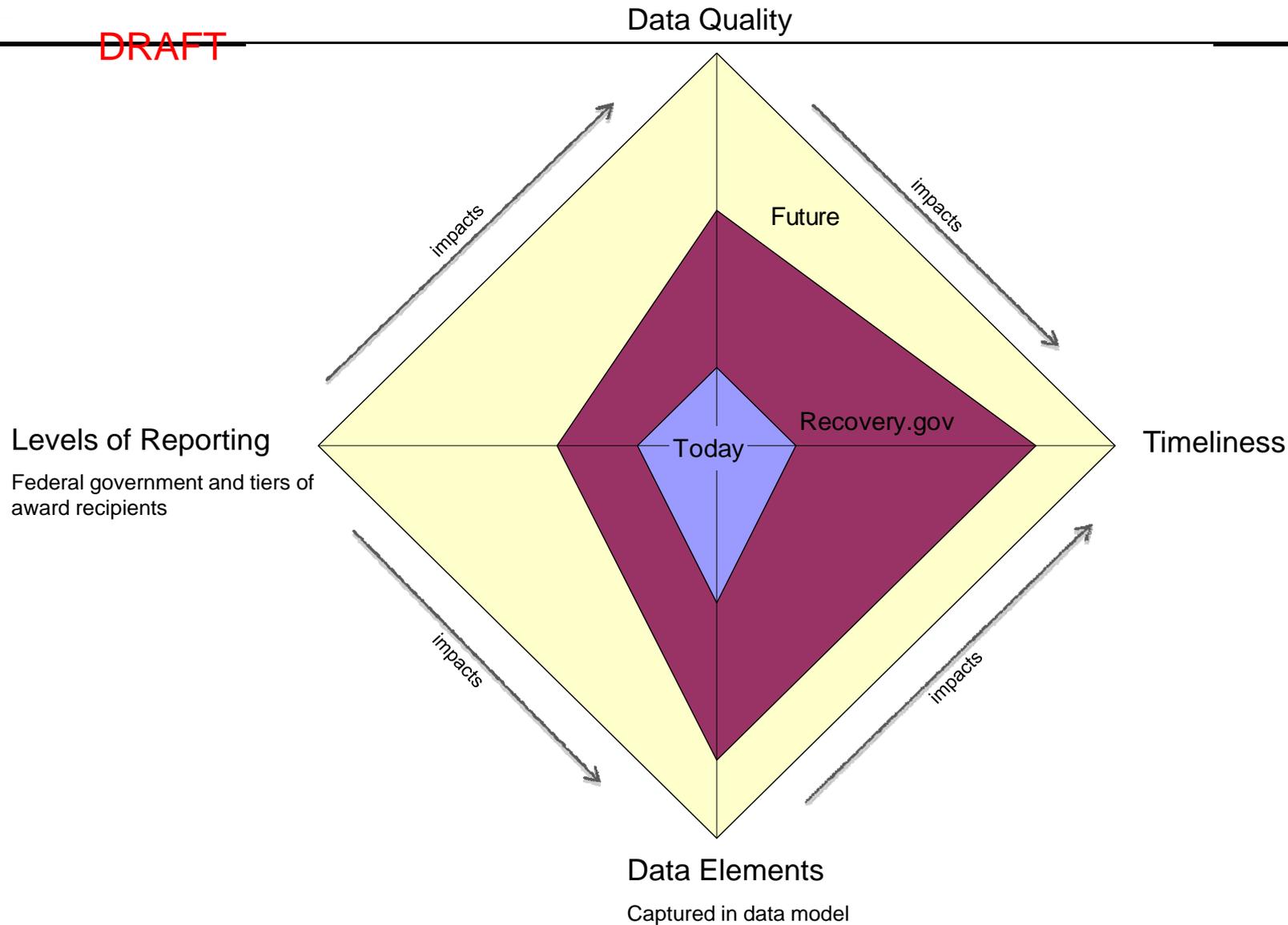




Figure 5: Solutions Dimensions and Anticipated Maturation



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Next Steps

- **Next Steps / Open Discussion**