



U.S. Federal Enterprise Architecture

World Bank Seminar

November 22, 2006

Dick Burk

**Chief Architect and Manager, Federal
Enterprise Architecture Program, OMB**





E-Gov Results – Services to Citizens

E-Gov provides benefits across the nation... to citizens, businesses, first responders, job seekers, and grant-seekers among others...

- **GovBenefits.gov**

- Obtain information and apply for over 1,000 benefits programs administered by the Federal Government.
- Served over 22 million visitors and provided over 5 million citizen referrals to benefit programs.

- **Grants.gov**

- Single point of access for grants offered by the 26 Federal grant making agencies and provides grants-seekers access to 100 percent of Federal grant programs (over 1,000 programs).
- To date, over 102,000 grant applications have been electronically received.

- **E-Rulemaking**

- Obtain free and easy access to Federal rulemaking information.
- Increases public access to the rulemaking process by providing the opportunity to contribute views via the Internet.
- In 2006, Regulations.gov averaged 4.3 million website page views per month.

- **IRS Free File**

- For the 2006 filing season, more than 3.9 million citizens have filed taxes online for free using the Free File.



E-Gov Results – Cost Savings

E-Gov increases the efficiency of the federal government...

- **E-Payroll**

- Consolidated numerous payroll systems reducing the cost of payroll processing.
- Department of Health and Human Services (HHS) - Reduced annual costs of payroll processing for its 65,000 employees by \$11 million, from \$259 to \$90 per employee.
- The Environmental Protection Agency (EPA) also reduced its average cost from \$270 to \$90 per employee; with its staff of 18,000 the agency has realized an annual savings of approximately \$3.2 million.

- **E-Gov Travel**

- The Department of Labor (DOL), one of the first agencies to complete the implementation of E-Gov Travel Services, reported a decrease in cost per travel voucher from \$62.59 to \$24.75, more than 60%.
- Additionally, the time required to process vouchers at DOL decreased from seven to three business days.

- **FM LOB**

- The Department of State and U.S. Agency for International Development are collaborating on financial systems and functions to improve service and save money.
- In November 2005, they combined operations staff, software and hardware costs, saving the government over \$20 million over the 10 year life of the project.

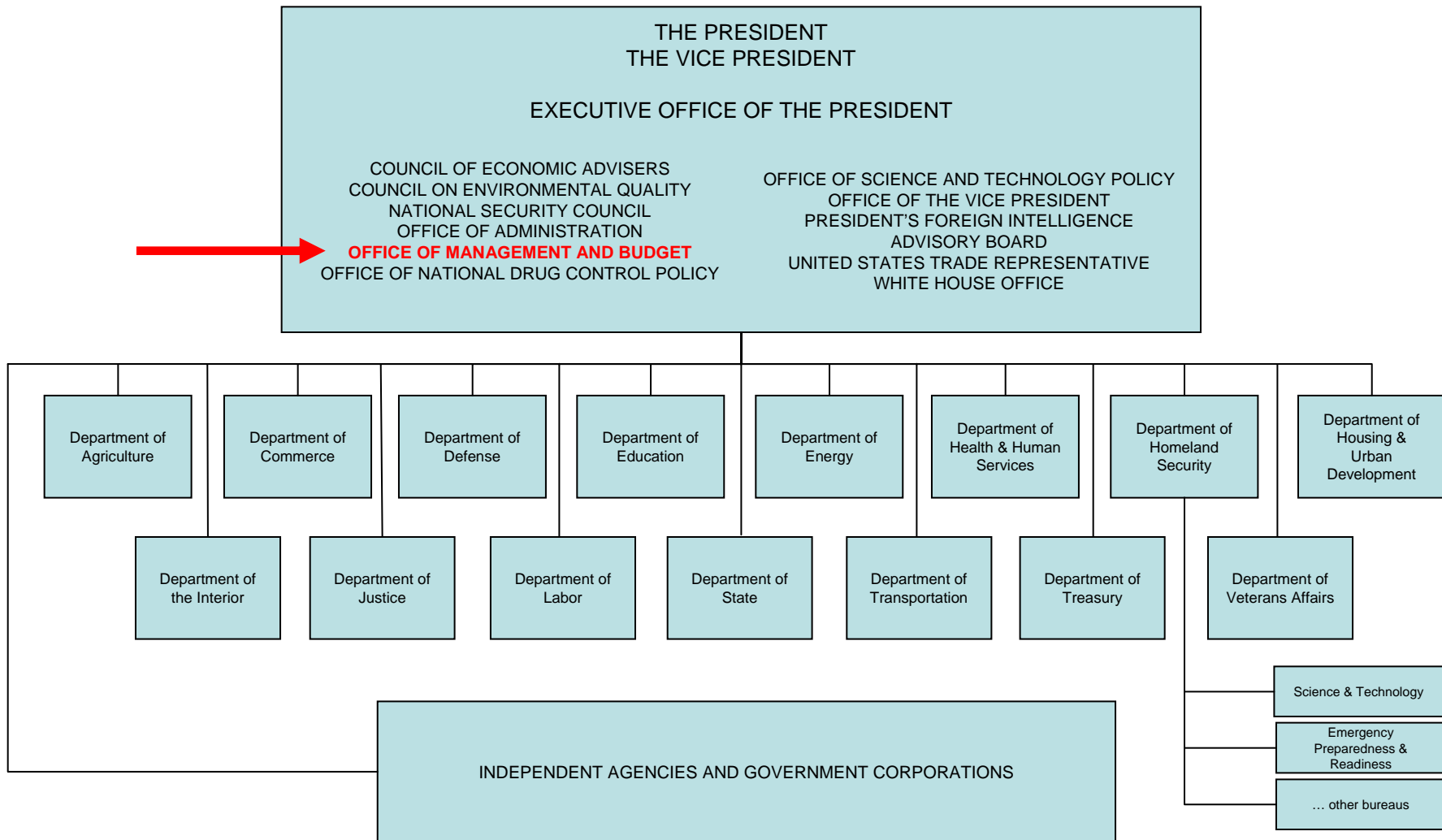


Strategic Outcomes from EA

- Operational excellence
- More customer intimacy
- Better services to citizens (customers)
- More strategic agility



U.S. Federal Government Organization





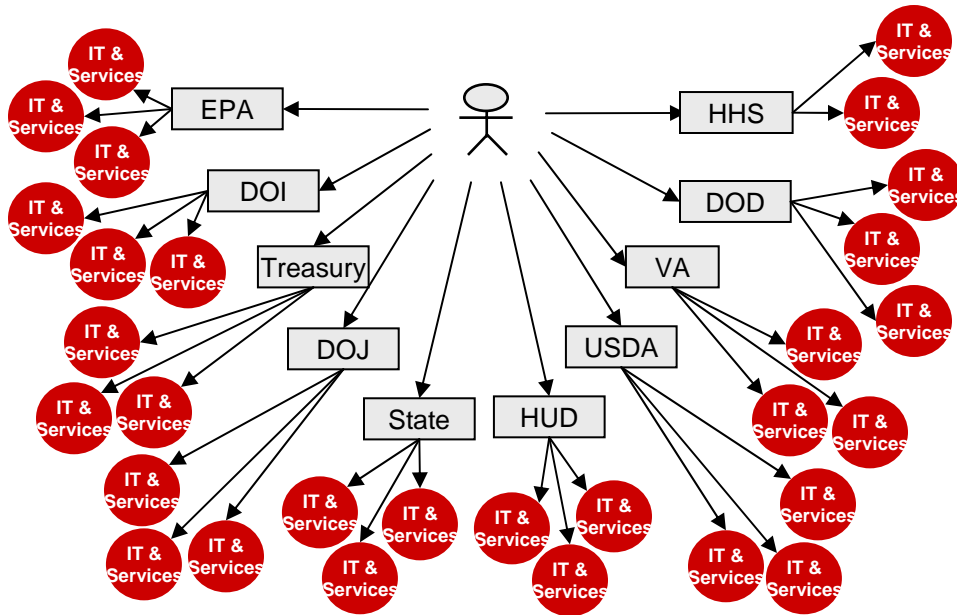
Architecture Principles for the Federal Government

- The federal government focuses on citizens
- The federal government is a single, unified enterprise
- Federal agencies collaborate with other governments and people
- Security, privacy and protecting information are core government needs
- Information is a national asset
- The federal architecture is mission-driven
- The federal architecture simplifies government operations

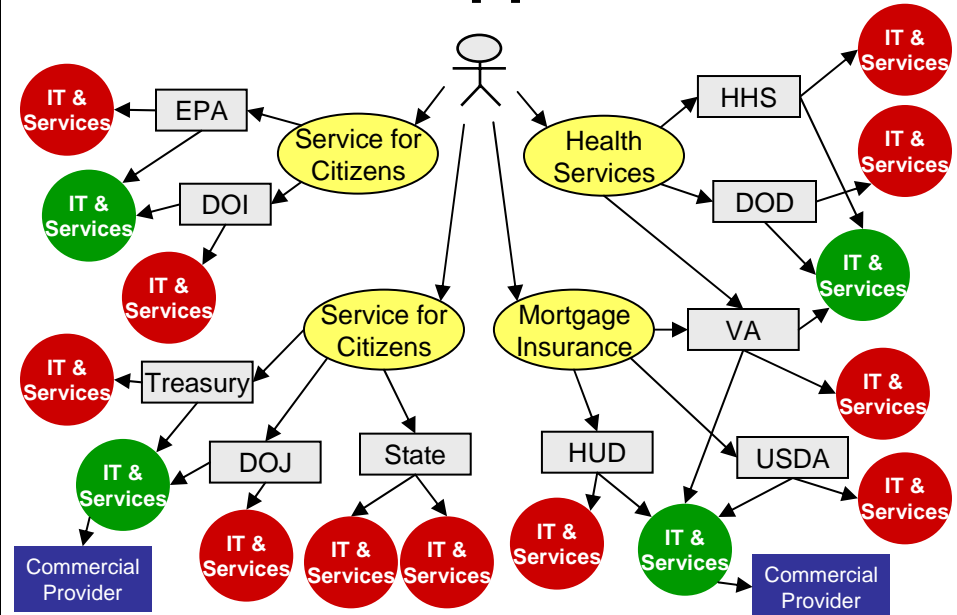


Citizen-Centered Services

The Historical Approach ...



The Future Approach ...



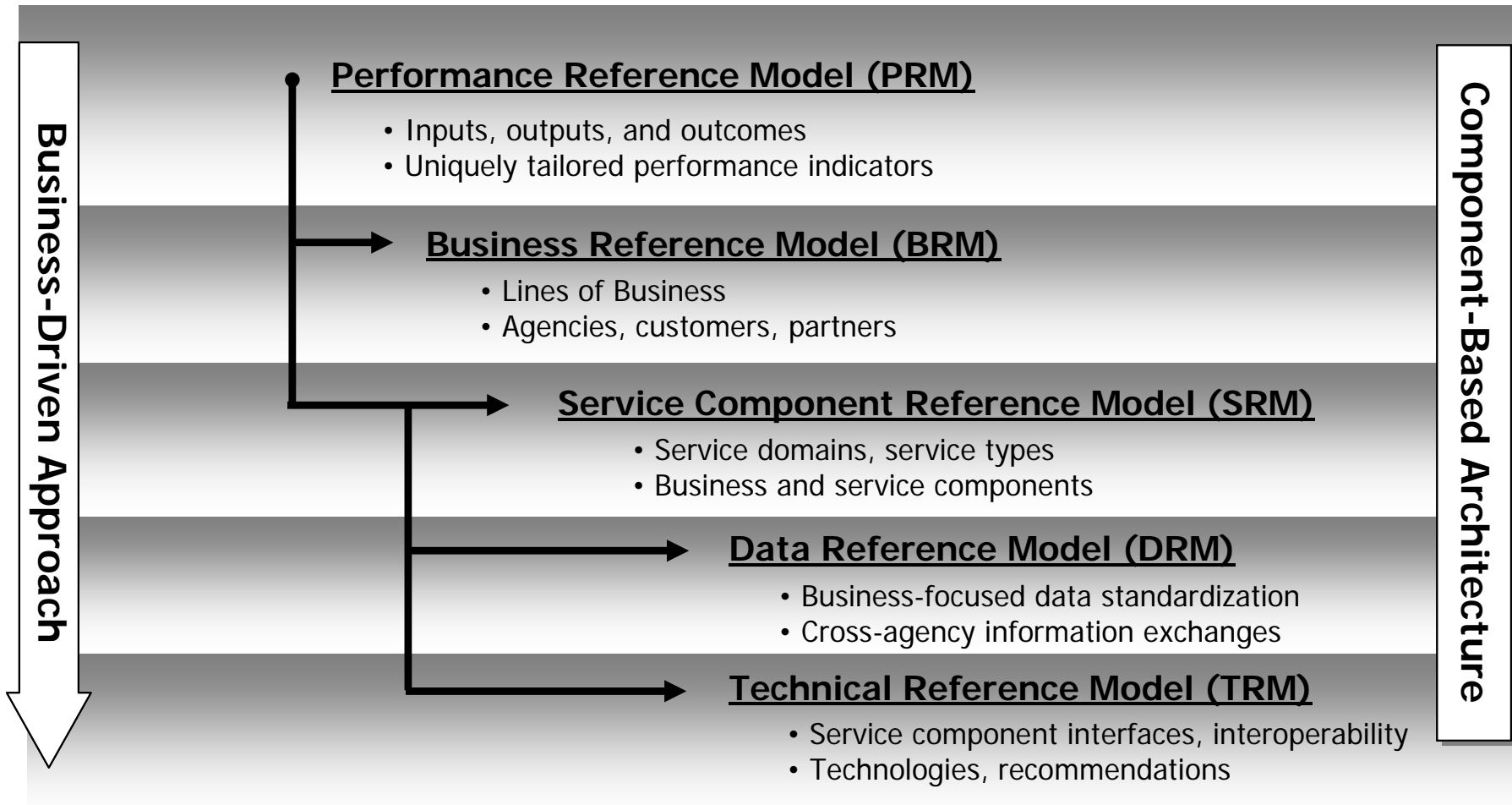
 = Service for Citizens

 = Agency-specific Service  = Common Service

 = Commercial Provider



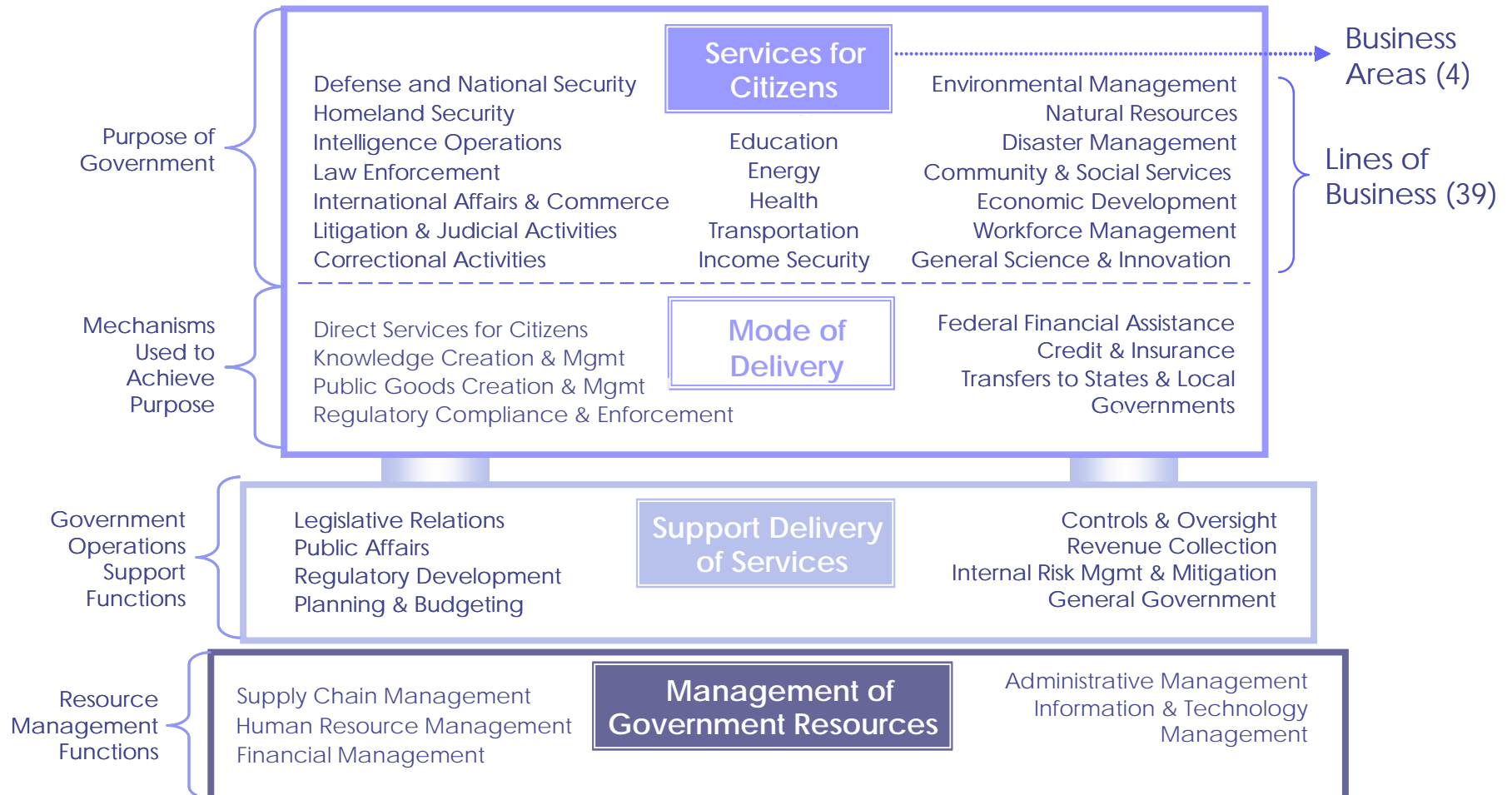
FEA Reference Models





Business Reference Model (BRM)

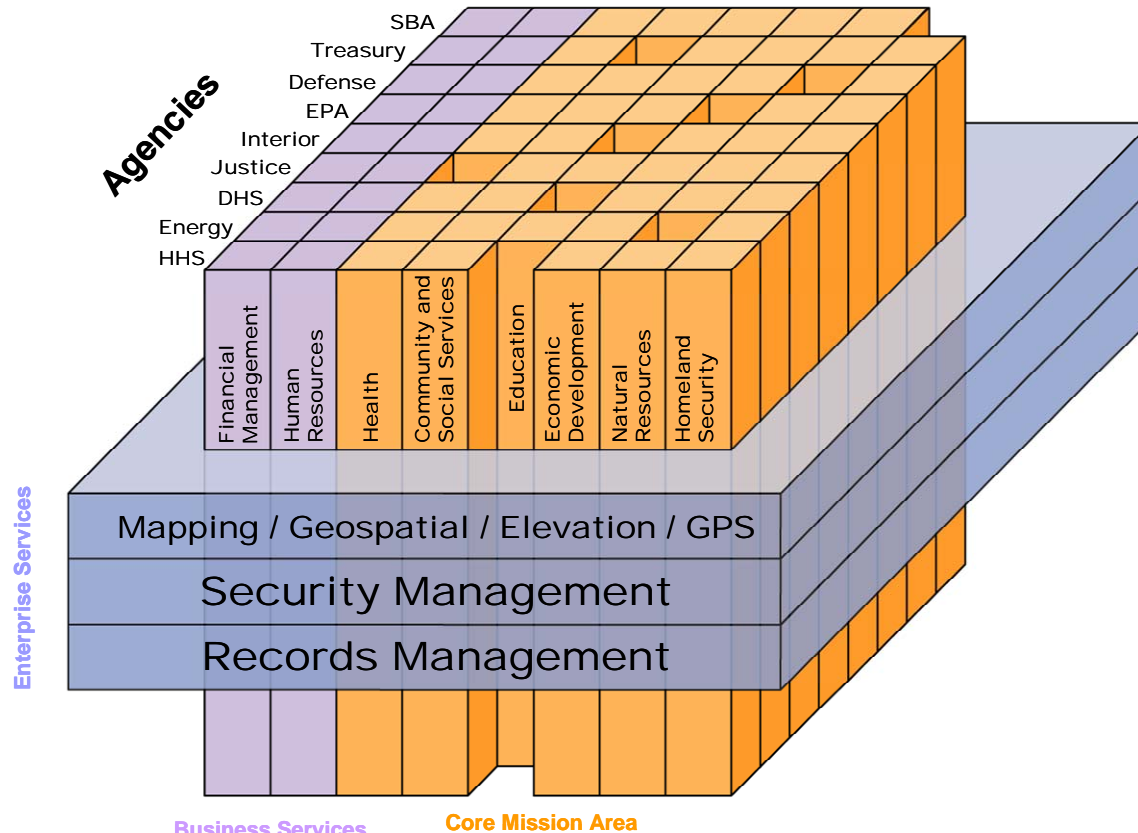
The Business Reference Model (BRM)





Lines of Business

The Lines of Business (LoBs) take an architecture-based approach to identifying, developing, and providing common solutions and components across the government....



2004 – 2005 LoBs

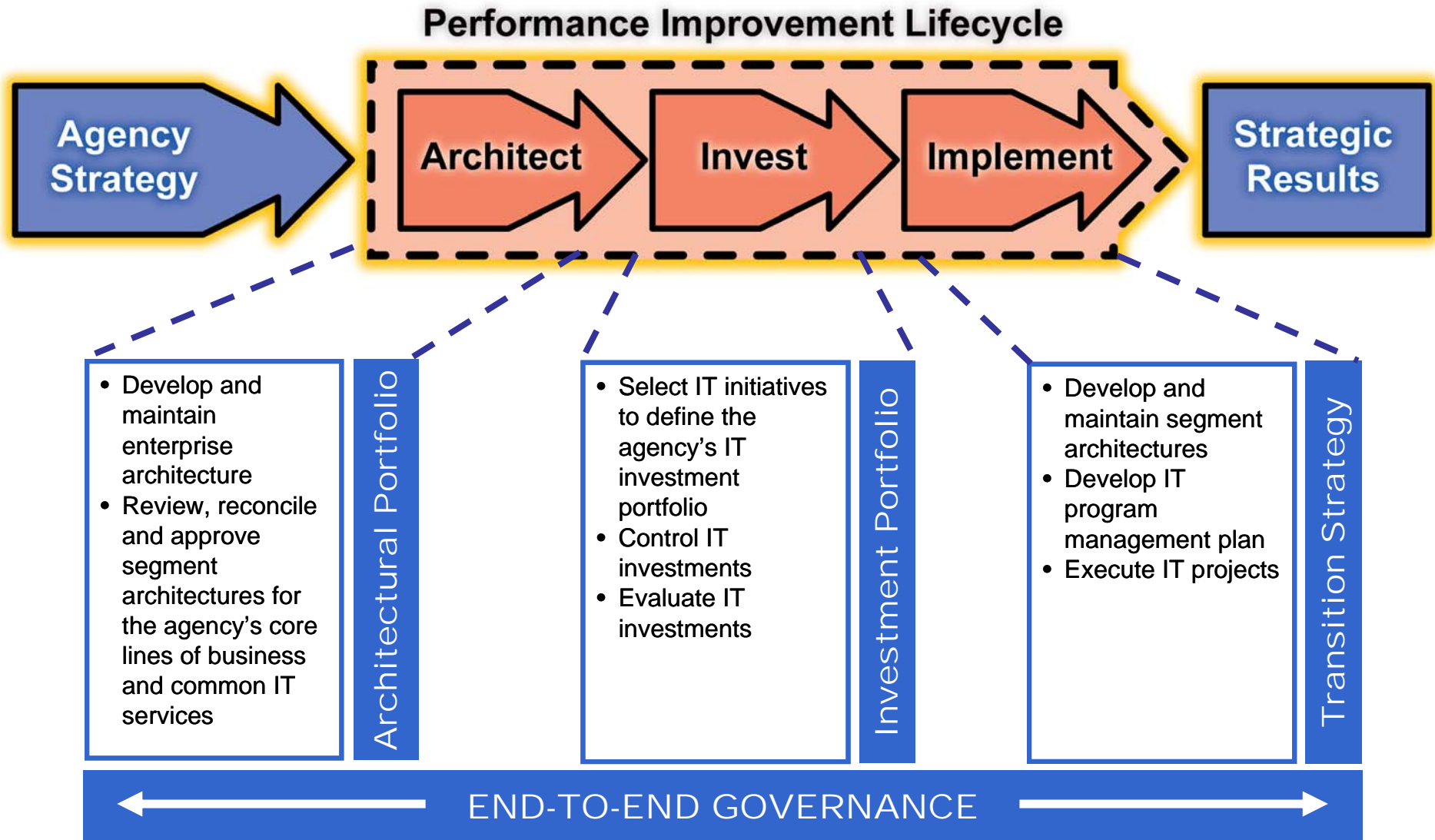
- Human Resources Management
- Financial Management
- Grants Management
- Case Management
- Federal Health Architecture
- Information Systems Security

2006 LoBs

- IT Infrastructure Optimization
- Geospatial
- Budgeting

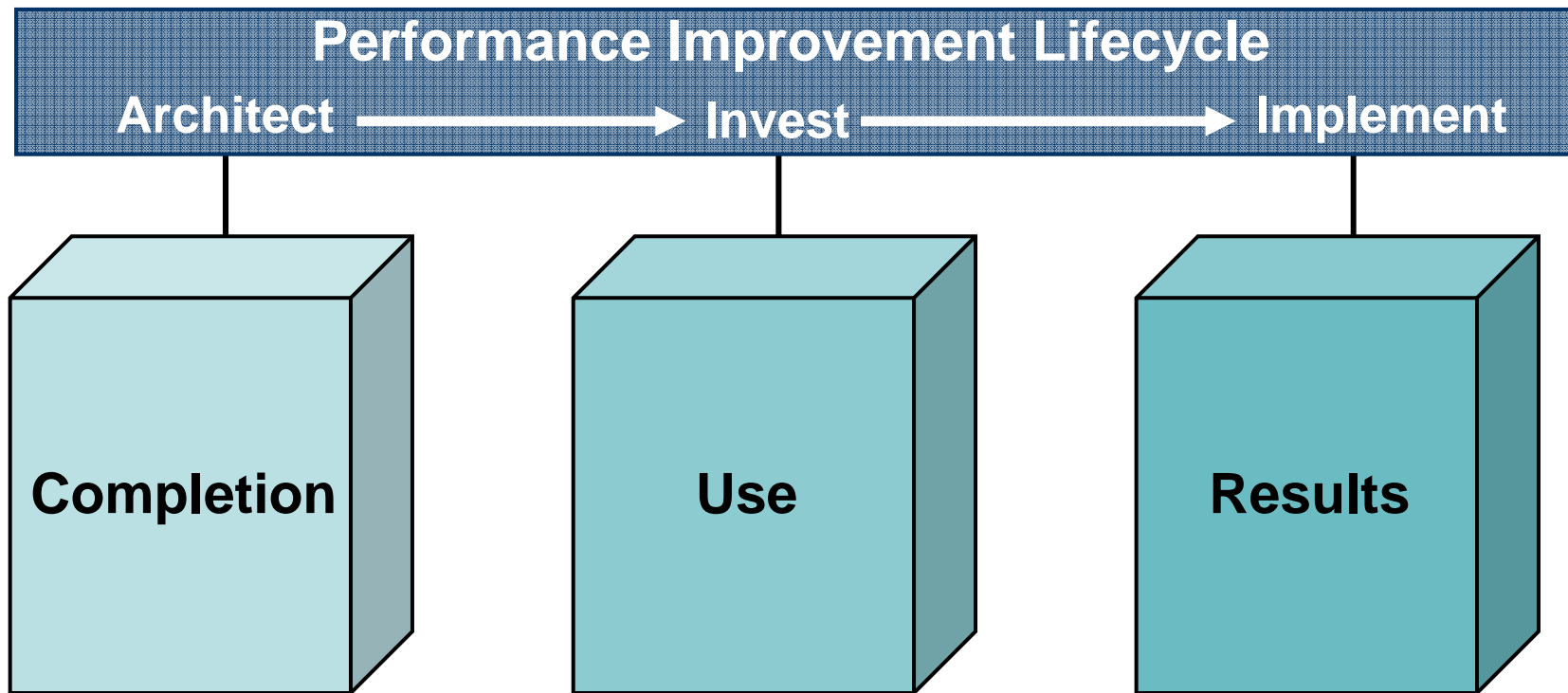


Performance Improvement Lifecycle



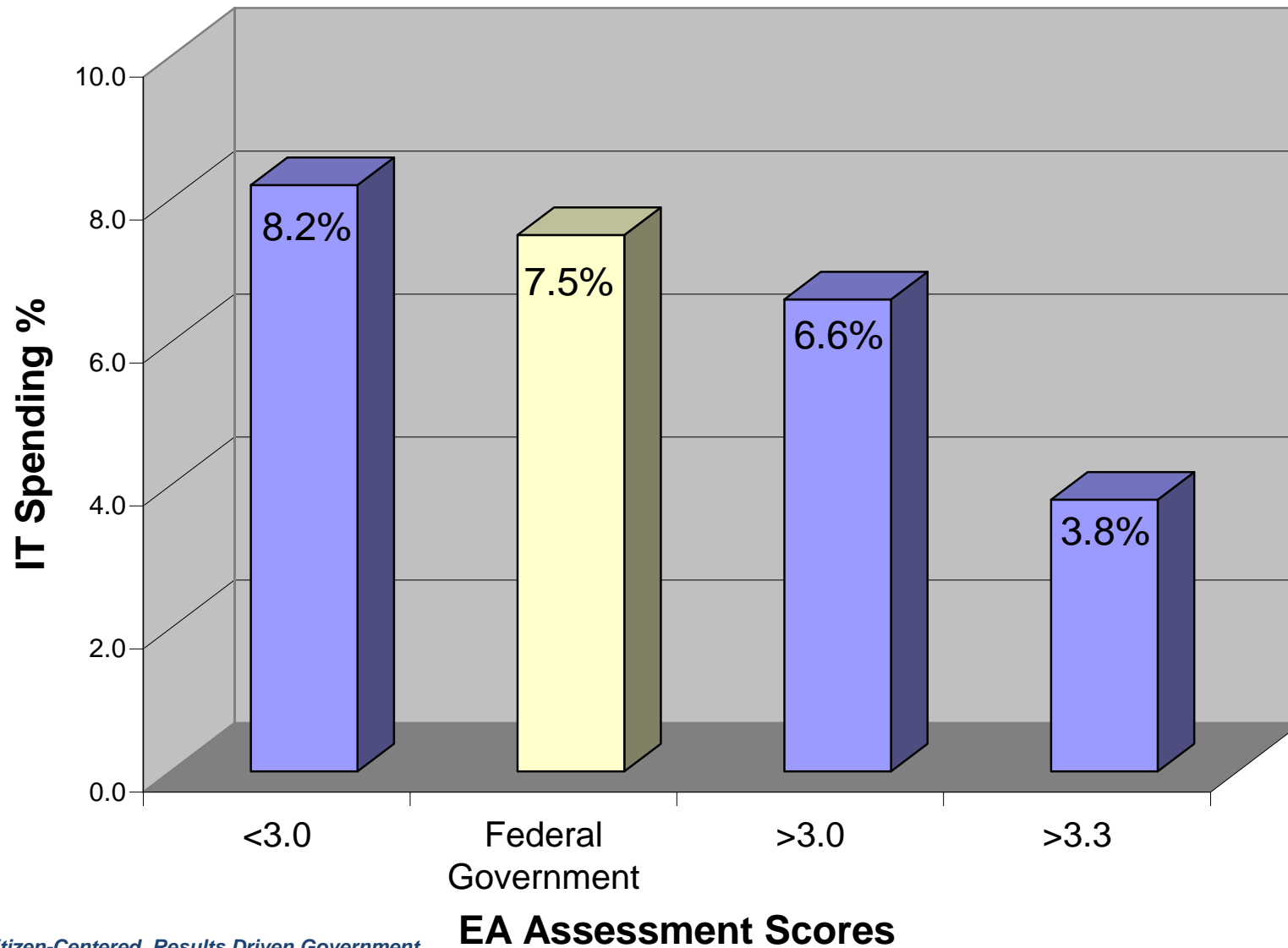


EA Assessment Framework





Relationship of EA to IT Spending



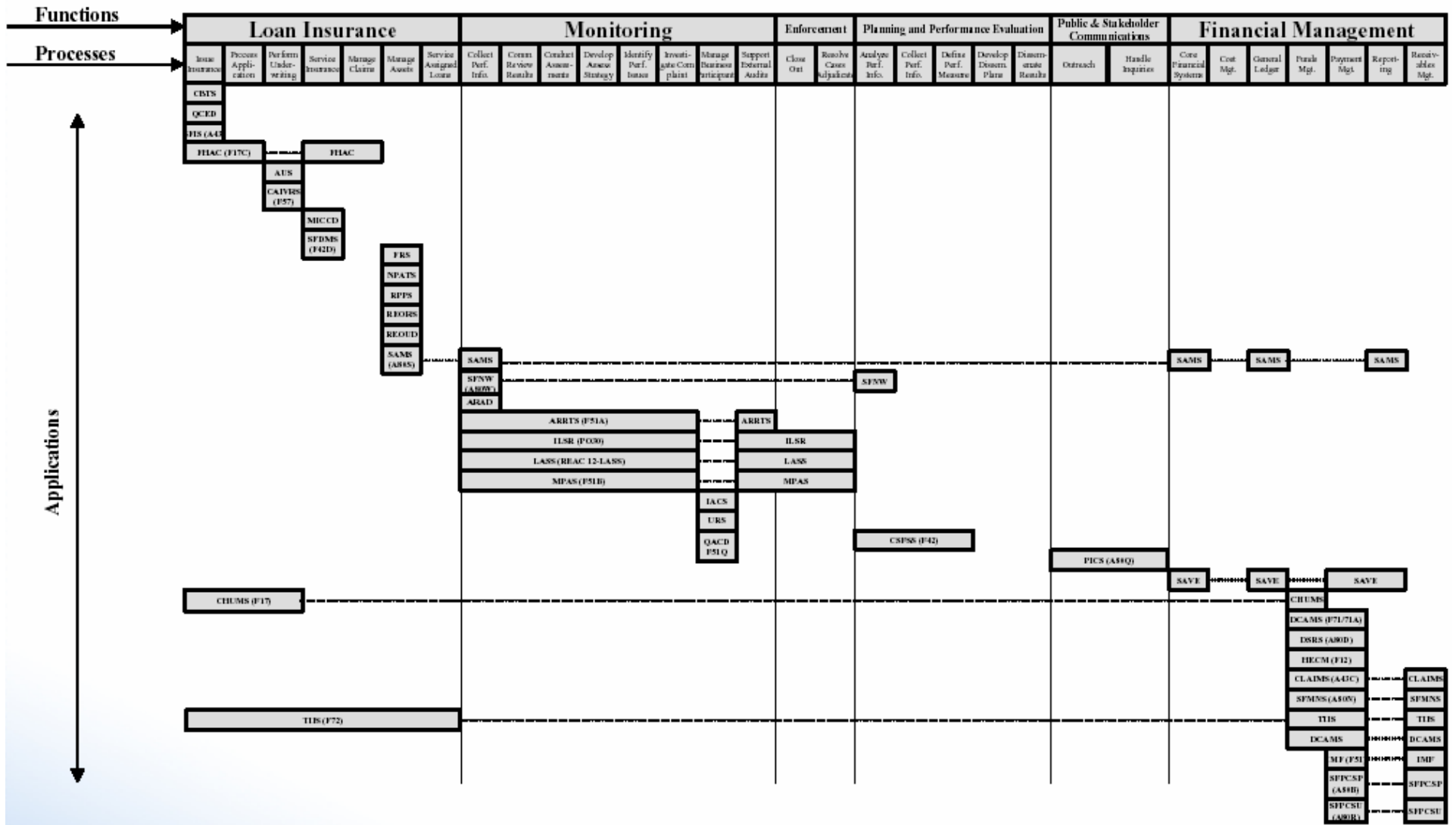


Agency Example

Agency Example: Housing Mortgage Insurance at the Department of Housing and Urban Development

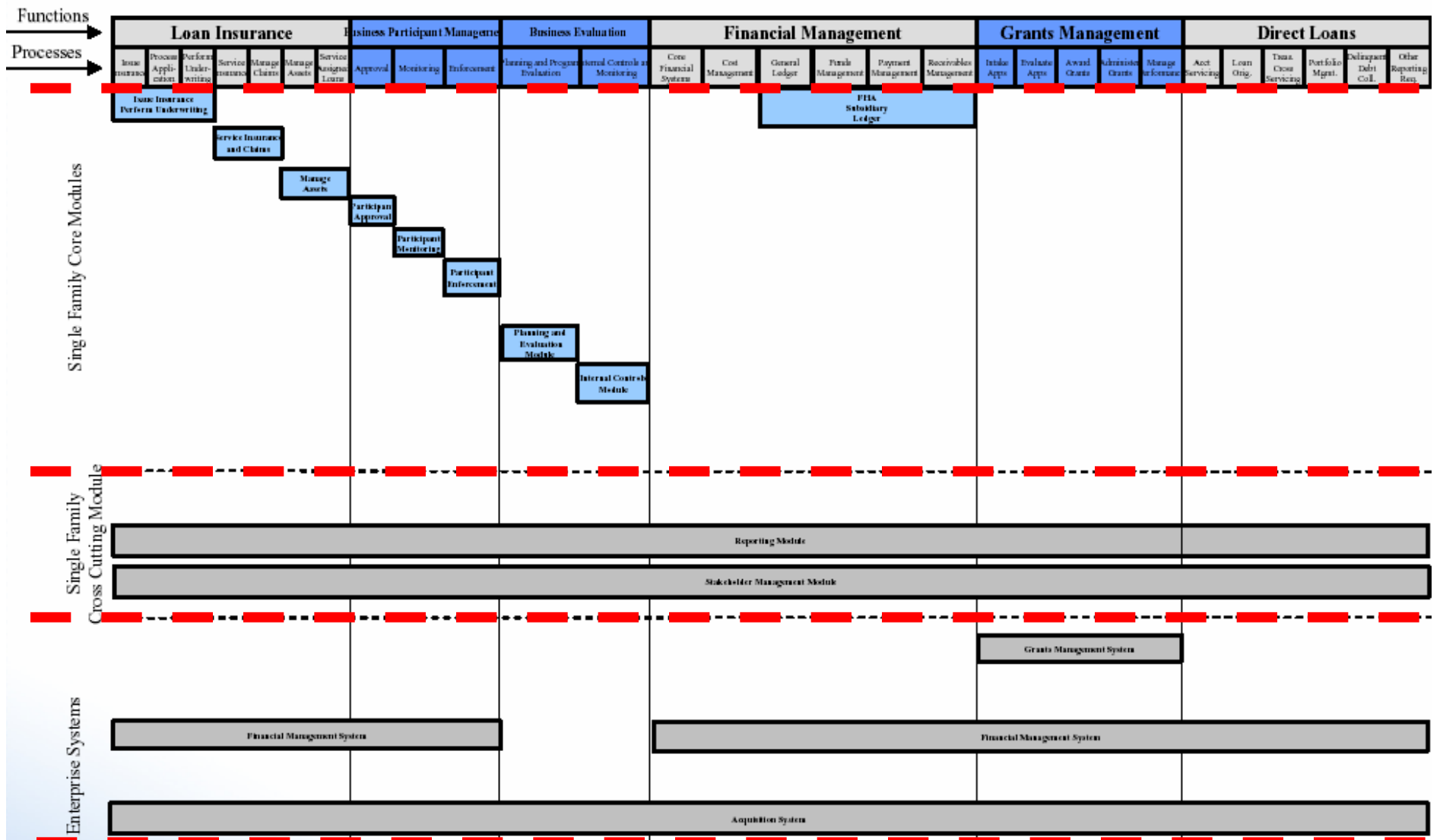


Mortgage Insurance LoB: Current Architecture



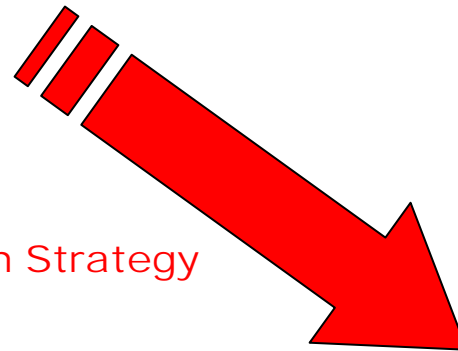
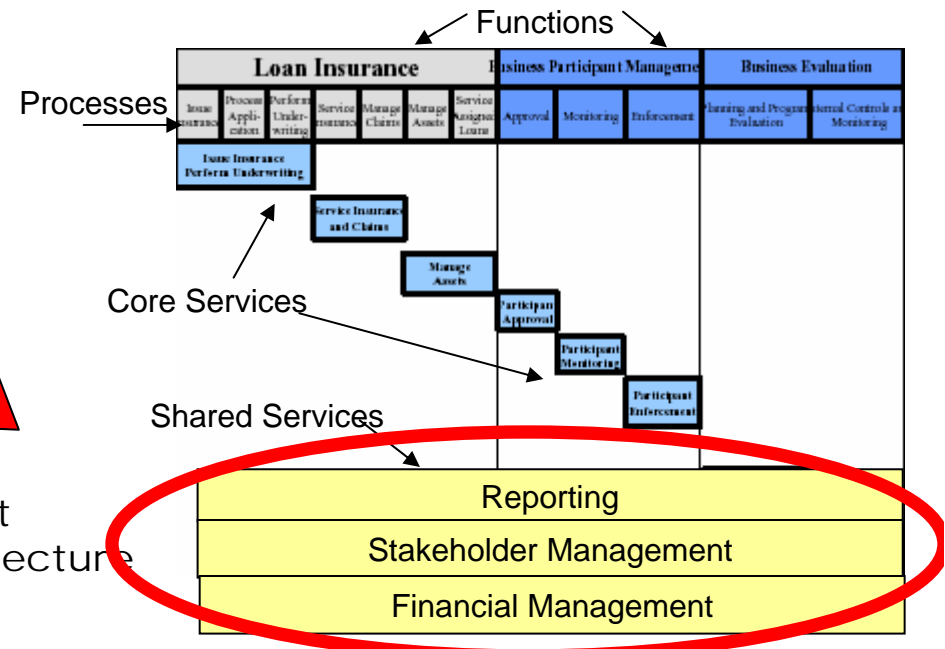
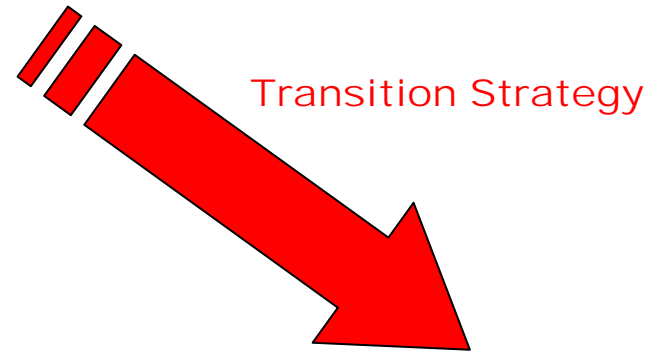
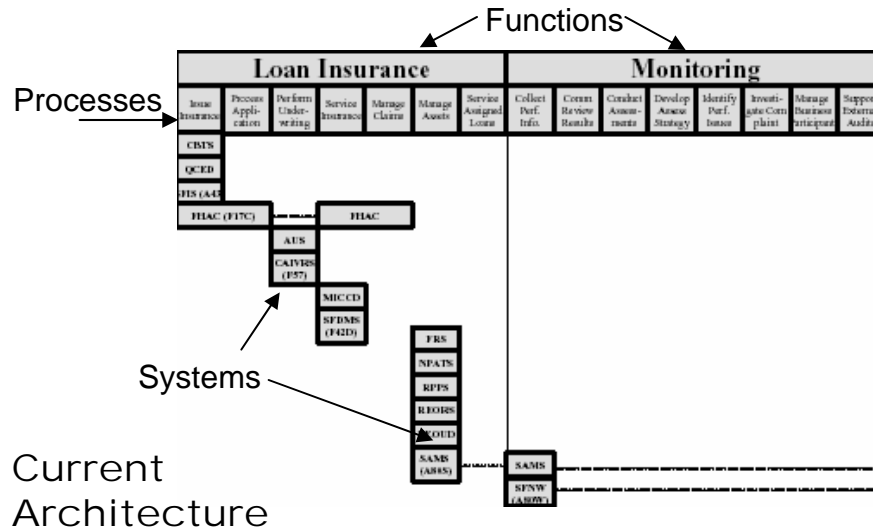


Mortgage Insurance LoB: Target Architecture





Result: More Efficient Support for the Business





Return on Investment

Inputs

- Four months of time from Architects and Program Officials
- Three years to transition to target state
- \$9 million dollars in DME (not including infrastructure)

Outputs

- Reduced the number of systems by nearly 80%
- Minimized functional overlap in the Mortgage Insurance LoB
- Modernized HUD's technology base
- Decreased the total cost of ownership from \$28 million dollars to \$16 million

Outcomes

- Increased the number of loans processed per day
- Identified faster, the number of lenders who are illegally discriminating
- Identified earlier, the lenders providing HUD with bad loans
- Identified non-viable lenders, and responded faster



For Further Information:
www.egov.gov