



IAE Future Vision

Integrated Acquisition Environment (IAE)

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Mission and Vision

Integrated Acquisition Environment (IAE)

- Mission

The mission of the IAE is to simplify, unify and streamline the complex federal acquisition process for government buyers as well as vendors and sellers.

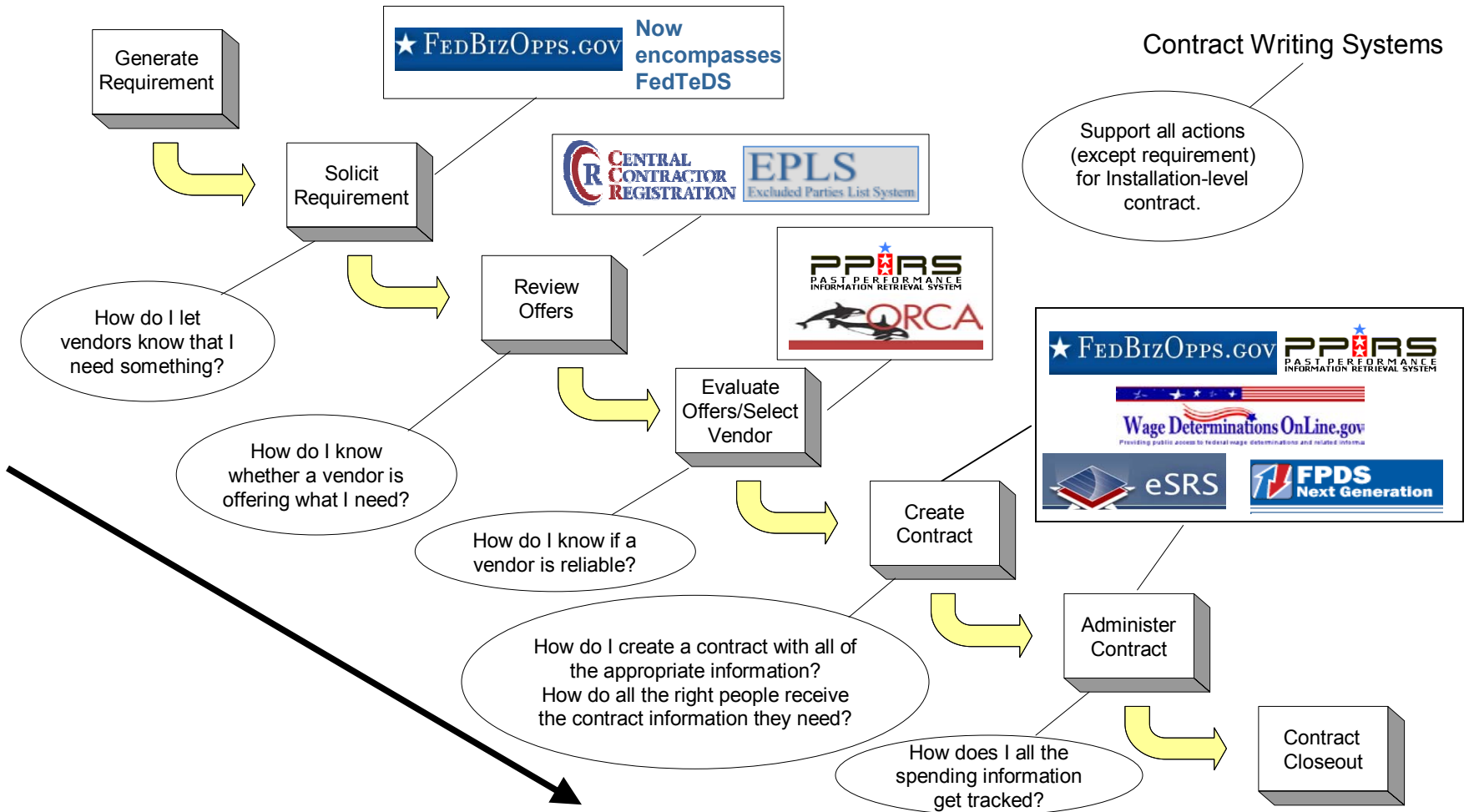
- Vision

A secure business environment that facilitates and supports cost-effective acquisition of goods and services in support of mission performance.



Federal Systems in the Acquisition Process

Integrated Acquisition Environment (IAE)



IAE systems provide information supporting the Acquisition Process, but do not perform the end-to-end process, which is currently an Agency function.



Value Proposition

Integrated Acquisition Environment (IAE)

- Standardize the federal acquisition business for:
 - Citizens
 - ✓ Monitor business opportunities
 - ✓ Search to find registered businesses
 - ✓ Retrieve data on contract awards
 - ✓ Track federal spending
 - Buyers
 - ✓ Post synopses and solicitations
 - ✓ Search for commercial and government sources
 - ✓ Access vendor performance reports
 - ✓ Identify excluded parties
 - ✓ Report contract awards
 - Suppliers
 - ✓ Search business opportunities by product, service, agency, or location
 - ✓ Receive targeted email notifications of solicitations
 - ✓ Register to do business with the federal government
 - ✓ Enter representations and certifications one time
 - ✓ Report subcontracting accomplishments
- Benefits* (latest annual)
 - Labor savings
 - ✓ 7.8 million agency hours saved in completing over 18 million transactions
 - ✓ Like savings for citizens and suppliers
 - Cost Effectiveness
 - ✓ \$396M based upon agency processes, personnel, roles, steps, and actions involved
 - Cost Avoidance
 - ✓ \$5.6 million in eliminating time delays, supplies/resource usage, etc.
 - ✓ \$30.8 million in operational cost savings



Opportunities to Improve

Integrated Acquisition Environment (IAE)

- Reduce variety of products
 - Operating systems
 - Database Managements systems
 - Web servers
 - Application servers
 - Leverage economies of scale
- Reduce the number of databases from eight (8) to ?
- Improve usability of user interfaces
- Standardize issuance of Logon, password, resets, etc.
- Standardize helpdesk

Simplifying the Information Technology will increase agility, improve data quality, and reduce cost

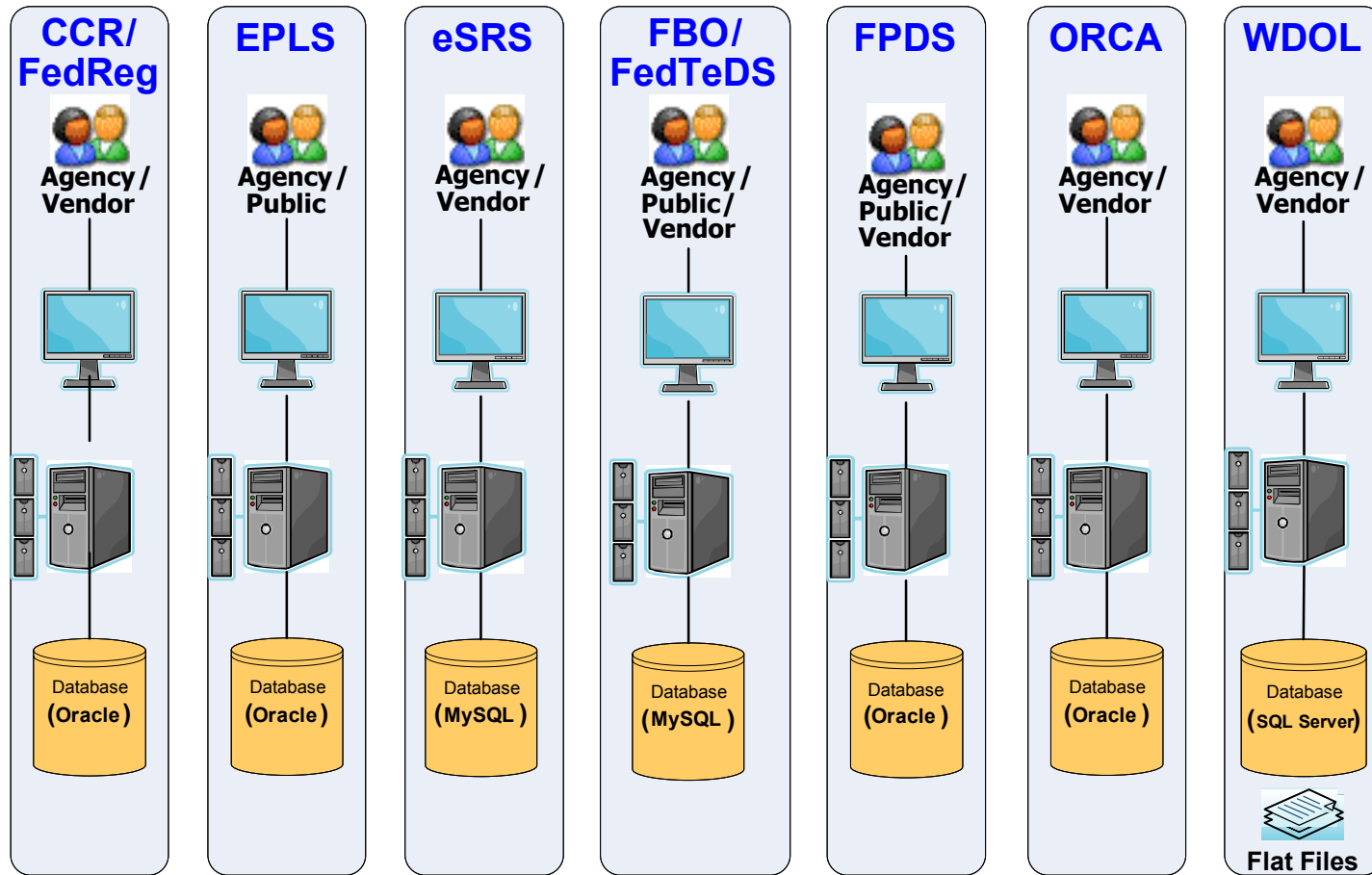


Current Systems

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No shared services:

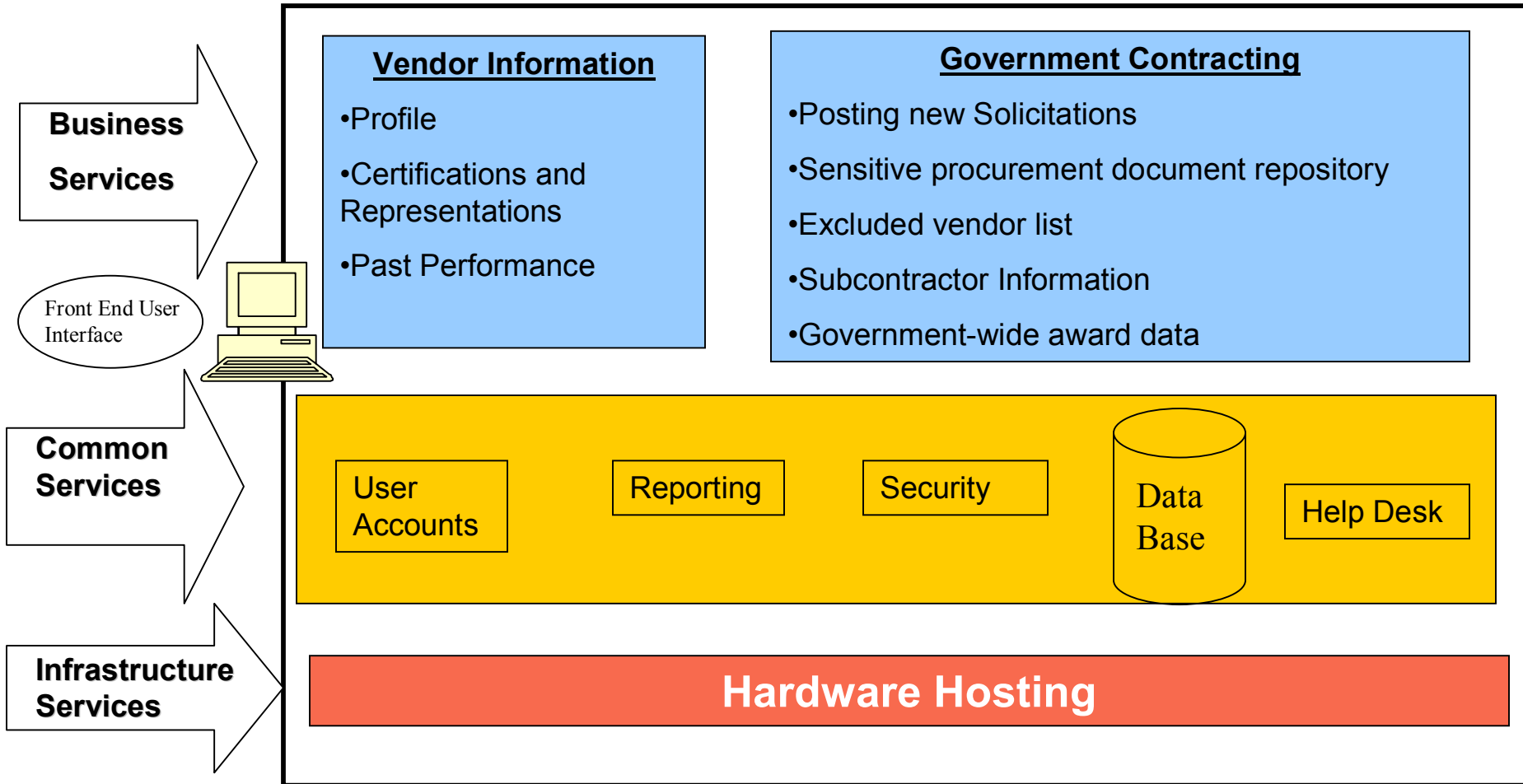
- ✓ Different Databases,
- ✓ Different Helpdesks
- ✓ Different Customers, (CCR - Industry inputs, FBO - The Contracting Officer inputs)
- ✓ Stovepipe services





Future State of the Integrated Acquisition Environment Architecture

Integrated Acquisition Environment (IAE)

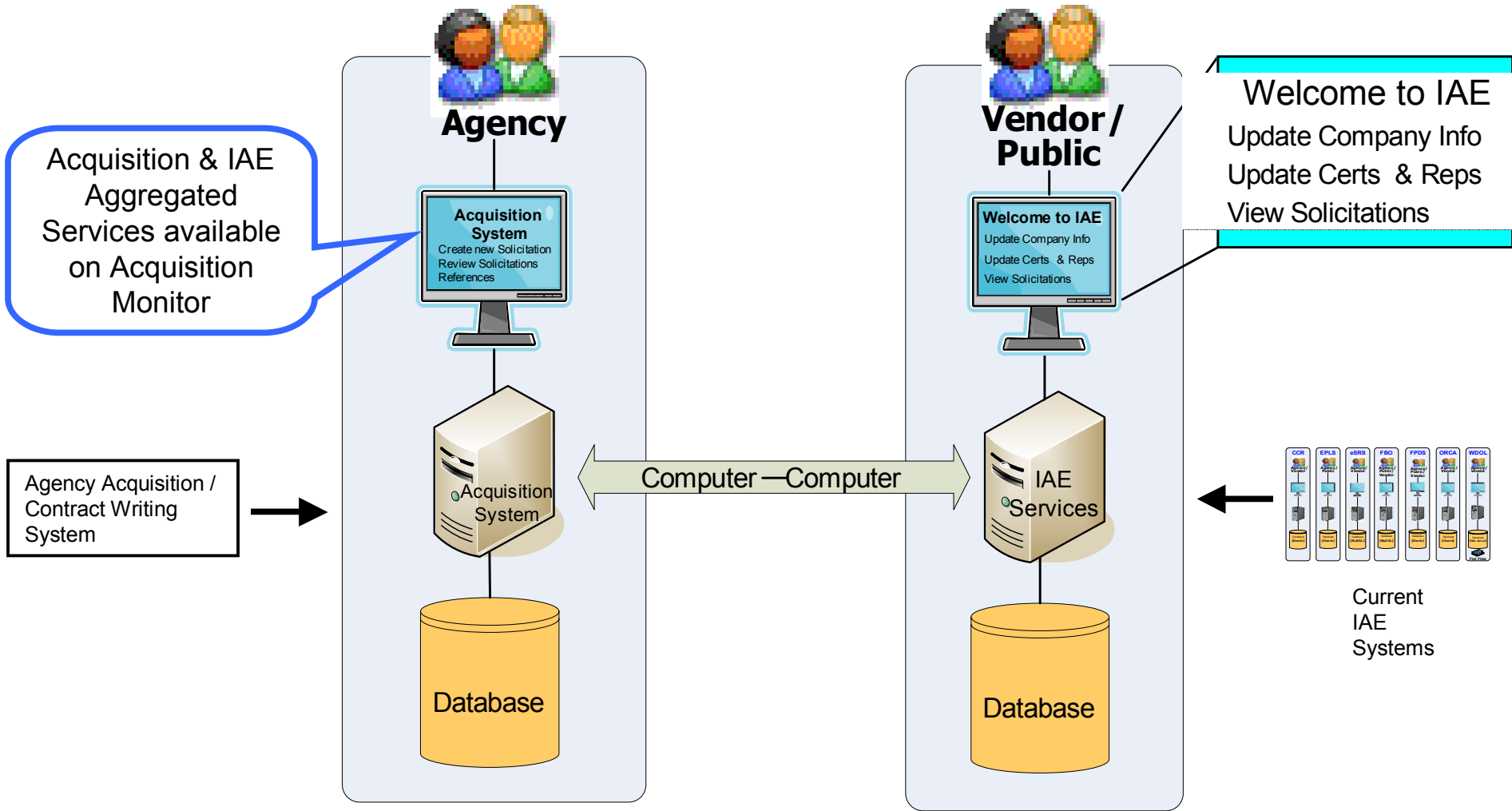


Collection of acquisition business services sharing common functions and infrastructure



Future Architecture

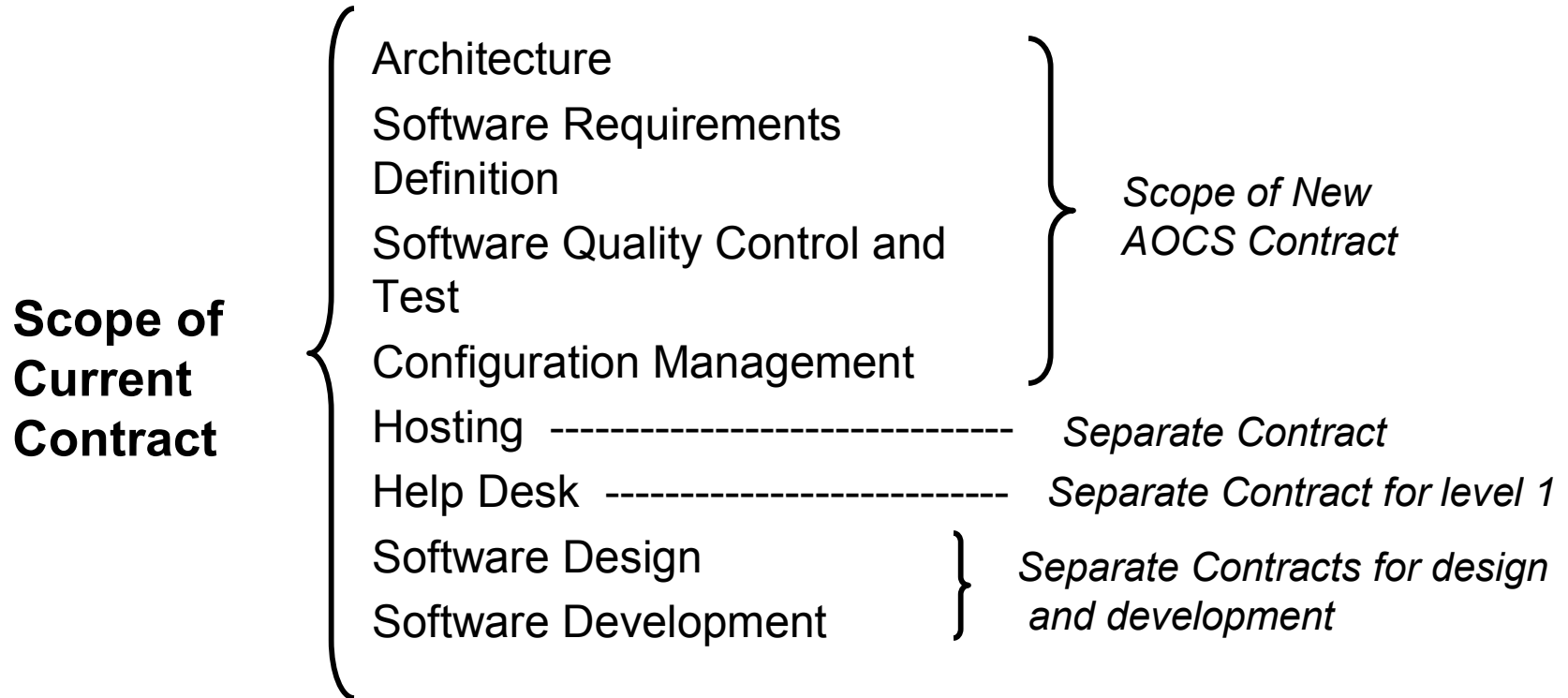
Integrated Acquisition Environment (IAE)





FPDS Acquisition Strategy

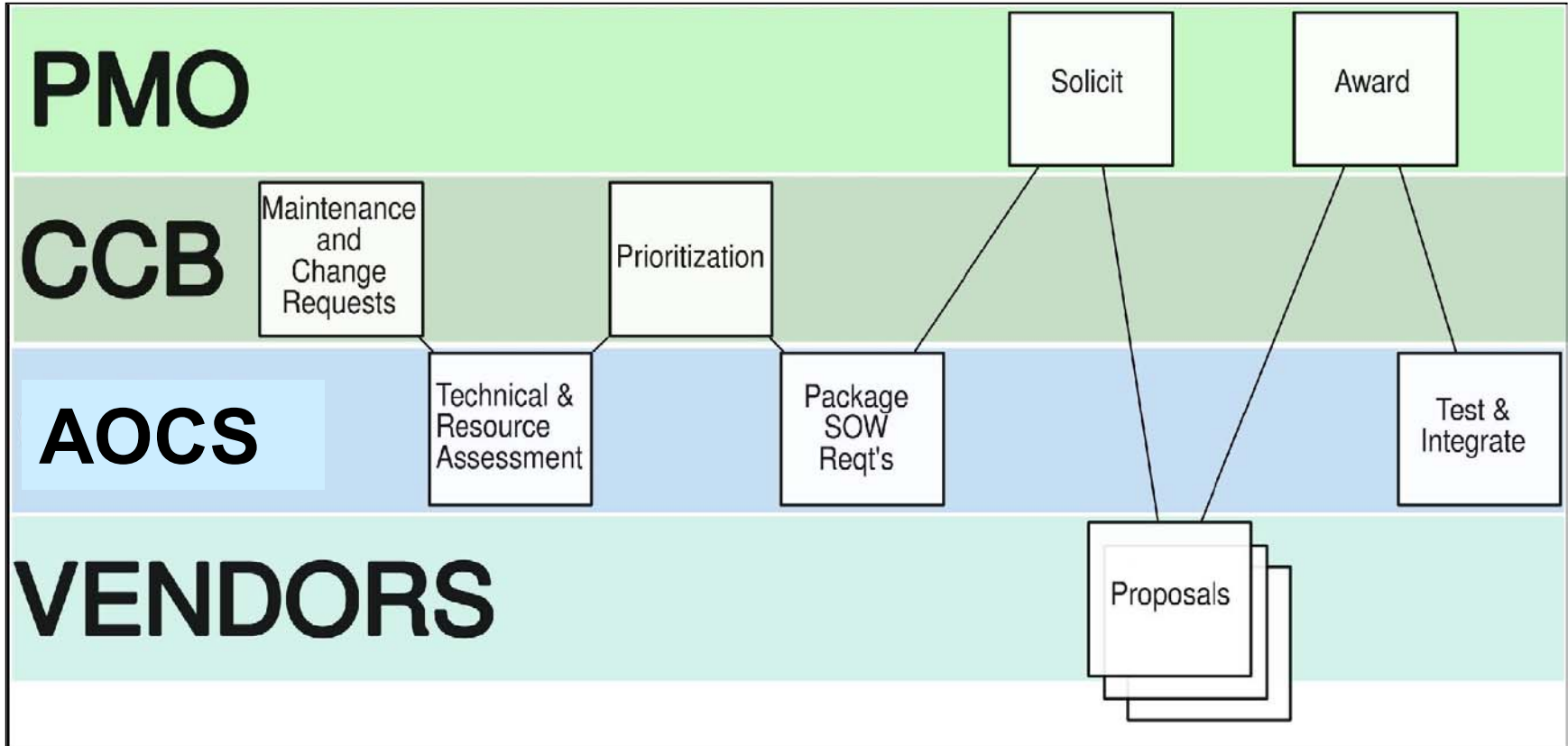
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Proposed Process

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PMO – FPDS Program Management Office

CCB – Configuration Control Board

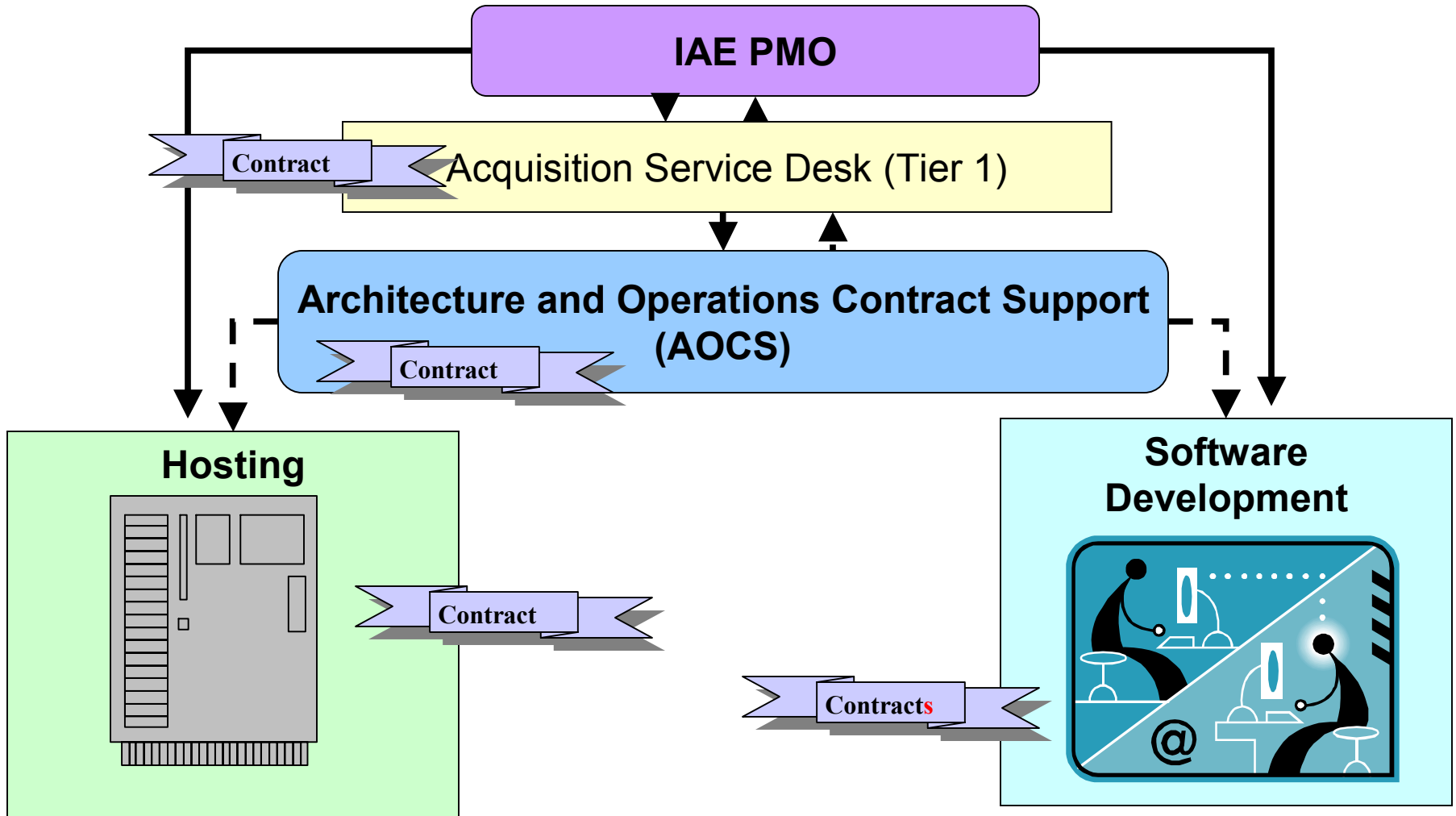
AOCS – Architecture and Operations Contract Support

Vendors – Software Vendors



Acquisition Strategy

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Focus on IAE vice individual IAE Applications



Open Standards and Open Source Methodology

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1. Use of open standards and open source software development methodology are basic principles of this acquisition
2. Use of commercial COTS products permitted as long as they implement open standards
3. The Government will own all intellectual property developed by this contract and developers will insure that use of other open source products does not violate other IP agreements
4. Open Source Methodology
 - Federal adaptation of The Cathedral and the Bazaar, which states, "*given enough eyeballs, all [bugs](#) are shallow*" by Eric S. Raymond
 - Software will be developed, documented, and tested in public view and unrestricted
 - Maintenance Changes made to software by AOCS
 - Enhancement Changes made to software development vendors
 - AOCS manages the overall code base and is responsible for configuration management



General Approach

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- Transition then Migrate
 - Transition O&M of current FPDS product from incumbent to AOCS vendor
 - Operate the system and validate system documentation before developing detailed migration plans to future architecture
 - Use same process for hosting, ie, transition to similar hardware before attempting to achieve efficiency through economy of scale.
- Transition systems as their current contracts expire, e.g. FBO and ESRS expire Sep 09.

Incremental and Low Risk

IAE Conceptual Transition / Migration Schedule

(Calendar Year)

2009

2010

2011

2012

2013

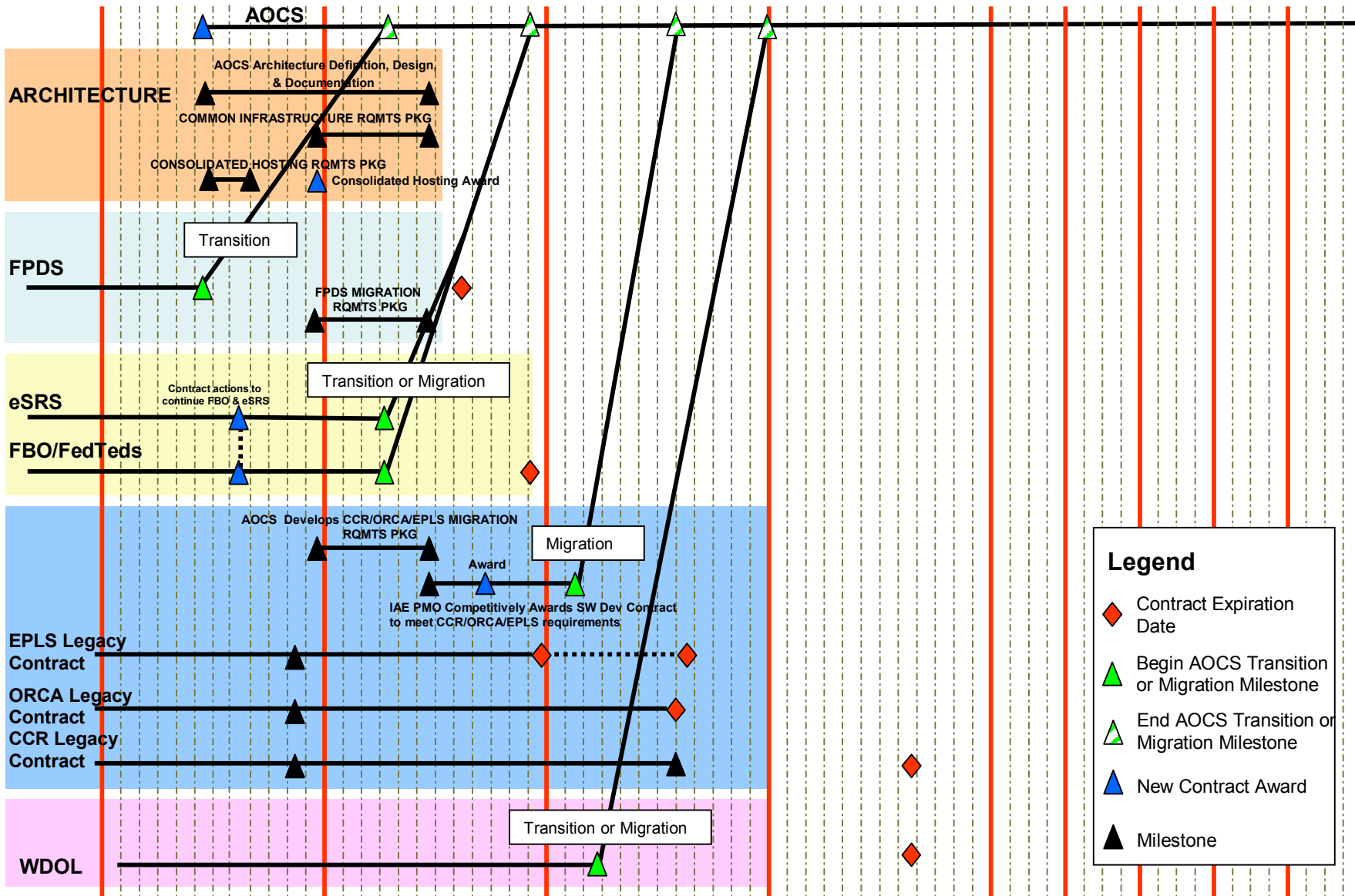
2014

2015

2016

2017

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Legend

- ◆ Contract Expiration Date
- ▲ Begin AOCs Transition or Migration Milestone
- ▲ End AOCs Transition or Migration Milestone
- ▲ New Contract Award
- ▲ Milestone



Summary

Integrated Acquisition Environment (IAE)

- IAE Portfolio is more complex than needed
 - Aggregating will simplify and improve ability to change more rapidly
 - Goal is 50% savings per year in O&M
 - Incremental approach will validate approach and reduce risk
- Contracts organized to support integration, not continued stovepipes
- Use of open source software development methodology to improve competition, quality, and security