Procurement Integrated Enterprise Environment (PIEE) Overview

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What is the Procurement Integrated Enterprise Environment?

A Procurement Portfolio Capability that:

- Leverages cloud technology
- Uses single sign capability to access system applications hosted internal and external to the environment
- Standardizes access management using standard role based access to applications
- Standardizes procurement hierarchy for purchase card and procurement
- Enables rapid development and deployment of applications
- Enables a growing set of APIs to other systems dependent on procurement data
- Provides common services (testing, COOP, archive retention, security) to applications hosted in the environment
- Enables a data environment that leverages data from multiple applications
2018 Improvements:
Account Management and Access

- Common hierarchy deployed
- Improved Service/Agency infrastructure
- Implemented Single Sign on as a service

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Account Management and Access

Rethinking what is the best way to operationalize account management and users access
  – Common hierarchy was the first step
  – Features such as Subject Matter Expert (SME) lookup and alternate supervisor helps users get answers and access faster
  – Next Step: How to reduce workload on Government Administrators (GAMs)

FedMall capability coming to PIEE
  – FedMall registration, account approval, and system access is targeted to migrate to PIEE in the next year
  – Cardholders already in PIEE, will automatically be granted access to FedMall reducing barriers to use the tool

System for Award Management (SAM) Single Sign On
  – Government Users will get access to SAM directly from PIEE
  – Working with GSA on implementation schedule

Purchase Card Single Sign On
  – Appointed and non-appointed roles will access US Bank via PIEE Single Sign On
  – Planned implementation in FY 2020
2018 Improvements: Capabilities

Deployed following Capabilities:
- Solicitation Portal
- Procurement Administrative Lead Time
- Clause Logic Service SSO
- Supplier Performance Risk System SSO
Module Improvement: CORT

**Coming Soon:** May 2019

Summary of Improvements:

- Appointments created by either CO/CS or COR
- Supervisor system role no longer required for COR appointments
- All surveillance reports are data centric
2018 Improvements: Operations Support

Deployed following Operations Support:
- Purpose Code Management
- Joint Appointment Module
- Procurement Process Model Library
2018 Improvements:
Reporting and Document Retrieval

- EDA Next Generation: Coming Soon
- End to end procure to pay data analysis capability, more than just contracts
- Integrated Data Lake reporting
Electronic Data Access

**Coming Soon:** May 2019

**Summary of Improvements:**

- Integrated Data Lake reporting into new EDA module
- One stop for document and data retrieval and reporting
- Leverage open source solutions strategically designed to support Big Data reporting within cloud hosted infrastructure
- Rebaselined all system interfaces to use restful web services
- Improved user interface and experience
- CEDMS moves to SSO layer of PIEE

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Standing Up the Data Layer

“...environment that leverages data from multiple applications.”

Current Infrastructure

- Legacy Production Capability (est. 1995)
- No Inter-module Capabilities

Targeted Infrastructure

- Standard Visualization Tool
- Document Retrieval and Reporting User Interface
- Fully Integrated Data Layer
- Migrate Existing MRS Reports to EDA
- Deploy additional value added new reporting features
Lessons Learned

- **Technical Lessons:**
  - Need a strong infrastructure before moving forward with rapid capability development can occur
  - Training aids need to be updated and easy to access
  - End user input during design and development is crucial to ensure usability and address design assumptions are correct and support the business process
  - Agile is dependent on joint collaboration and flexibility
  - Hold firm on new requirements

- **Functional Lessons:**
  - Hierarchy is an art form
  - Change management needs to be tiered to multiple audiences (i.e. policy, management, end user)
  - Training needs to be simplified
  - Defining capabilities is a different process than defining requirements
Coming Attractions

**Coming Soon:** Q1FY20

- Modern website look and feel
- Easier access to training and other resources
Coming Attractions:

A True User Focused Experience

User Action Dashboard Landing Page
- Lists of required actions will be visible from the landing page
- User focused messages based on the users job, organization, and access

Increase Integration Between Modules
- Easily navigate between modules without going back to the homepage
- Suggested “additional actions” allows users to keep working between PIEE modules

Intuitive Design to Improve Usability
- Improved functional focus and more accessible Web Based Training
- New features are designed with end user usability in mind