
Procure-to-Pay Capability Summary

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SUBJECT: Procurement Integrated Enterprise Environment (PIEE)

PIEE is an information technology platform of enterprise services, capabilities, and systems grouped into modules with the objective of seamlessly supporting the end-to-end Procure-to-Pay (P2P) business processes for the Department of Defense (DoD). Governed jointly by procurement, financial management, and logistics Office of the Secretary of Defense leadership, this environment provides a single access capability/service for all users leveraging a common organizational hierarchy and an auditable approved account management and access process. Leveraging role-based access, PIEE provides users with the access to many of the critical enterprise capabilities used every day by hundreds of thousands of users spanning all Services, Defense Agencies, and Industry such as the Department's e-Invoicing, contracts repository, and contract surveillance tools.

POLICY: PIEE's modules support policy requirements across the entire end to end procurement process. These include DFARS 204.201 and 204.270 that requires the posting of contracts to Electronic Document Access (EDA) and 10 USC 2227 that requires electronic submission of payment requests and receiving reports.

DATA STANDARDS: PIEE uses a variety of transactional data standards such as the Procurement Data Standard for the various modules within the environment. The PIEE single sign on technology, OAUTH2.0 and OpenID, are the industry standard protocols for authorization.

INFORMATION TECHNOLOGY INFRASTRUCTURE: PIEE leverages cloud hosting technology enabling an enterprise services and data environment that supports rapid development and deployment of capabilities. PIEE's architecture is comprised of four distinct layers: Account Management and Access, Capabilities, Operations Support, Reporting, and Document Retrieval. PIEE's Account Management and Access capability allows users to seamlessly access modules that are hosted both internal and external to the environment creating a common user experience across all capabilities falling under PIEE. The individual capabilities enable the users to perform specific tasks required by the P2P process. These include Requirements, Award, Post Award Administration, Payment, Property Management, and Purchase Card and support key activities such as contract writing, contract administration and electronic invoicing. The Operational Support layer offers tools to DoD and Service leads who help oversee the P2P process such as the ability to create digital appointments for mission critical jobs such as Contracting Officers, Contracting Officer Representatives, and GPC personnel. The Reporting and Document Retrieval layer aggregates data across PIEE to provide users with advanced reporting and analytics. This architecture allows new capabilities to be added in a plug and play fashion.

IMPACT: PIEE creates a centralized location for all DoD and industry users to access enterprise capabilities required to operate the DoD's P2P lifecycle. This enables rapid development and deployment of capabilities while driving down costs by reusing the Account Management and Access and Reporting and Document Retrieval layers.

CONTACT: Jay Olson, OUSD(A&S)/DPC at 703-627-2296, jay.c.olson6.civ@mail.mil