
Procure-to-Pay Capability Summary

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SUBJECT: PIEE Single Sign On

Building and maintaining unique access controls that comply with all Federal and Department of Defense (DoD) requirements for the procurement, finance, and logistics community is a costly and resource-intensive undertaking. The Procurement Integrated Enterprise Environment (PIEE), the DoD's Procurement Portfolio, has developed the ability to seamlessly pass the user from behind PIEE's login to an approved system. The single sign on is based on PIEE capturing and passing the user's roles to the targeted system. However, this effort requires a standard, shared set of roles and responsibilities that can be applied across DoD systems using that single sign on protocol.

POLICY: In May 2017, Defense Pricing & Contracting (DPC), formerly Defense Procurement and Acquisition Policy (DPAP), issued a policy memo announcing the implementation of standard role-based access across all DoD enterprise procurement systems. With this memo, DPC issued a comprehensive roles and responsibilities list that will define this access. Complementing this effort, the Defense Logistics Agency (DLA), the program management office of PIEE, has documented the single sign on process in their access control policy. This access control policy may be leveraged by external systems who use the PIEE single sign on reducing both the workload on the various program offices and the cyber security community.

DATA STANDARDS: The standard roles list is posted on the DPC website at and will be used by PIEE to determine authorization upon pass-through. The PIEE single sign on is built on industry-proven data standards. The interface leverages OAuth 2.0 and OpenID to pass system and user credentials to the external system. The standard has been reviewed and approved by the Defense Security/Cybersecurity Authorization Working Group (DSAWG). https://www.acq.osd.mil/DPC/pdi/eb/procurement_data_standard.html

INFORMATION TECHNOLOGY INFRASTRUCTURE: DPC as the functional sponsor of PIEE, has worked with Service and Defense Agency functional sponsors and program offices to take advantage of the PIEE single sign on. The sharing of user access across many procurement systems reduces the overall information technology footprint and creates a more complete user experience for end users. PIEE has been through annual Federal Information System Controls Audit Manual (FISCAM) audits, receiving an unqualified opinion with a major part of the assessment focusing on the system access controls. External systems leveraging the PIEE single sign on may ease their audit and Risk Management Framework (RMF) requirements by referencing the PIEE approved access control policy documentation.

IMPACT: Reducing the burden of program offices and system integrators has allowed them to focus on the core capabilities of each system. They are able to establish a trusted relationship with PIEE and allow the PIEE system to manage the user base. For the users responsible for account administration, the single sign on allows them to manage a wide range of users accessing multiple systems from one location.

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