



# User Access Management Plan

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CONTAINS NO CLASSIFIED OR SENSITIVE INFORMATION. THIS ARTIFACT SERVES TO DOCUMENT, IN PROFESSIONAL MANNER, A TRAINING RESOURCE FOR SELF-EDUCATION IN THE FIELD OF FEDERAL SYSTEMS ENGINEERING, MAINTENANCE, CYBERSECURITY RESEARCH, AND RELATED.

User Access Management Plan : Revision History

Revision / Version	Date	Description / Notes
Rev. 1 (1.0.0)	12 Dec 2025	Publication Inception / Creation

## 1. Purpose

The purpose of this User Access Management Plan is to define how **user accounts, privileges, and access rights** are managed within the **Patriot Command Operations System (PCOS)**.

This plan ensures that access to system resources is **authorized, controlled, documented, and appropriate to user roles**, while remaining practical for a **single-operator laboratory environment**.

## 2. Scope

This plan applies to all **logical access** to PCOS resources, including:

- Servers, workstations, and virtual machines
- Network and security management interfaces
- Administrative and monitoring platforms
- Supporting infrastructure and services

This plan governs:

- Account creation and removal
- Privilege assignment
- Access review practices
- Guest and temporary access

## 3. Access Control Principles

User access within PCOS is governed by the following principles:

- **Least Privilege** – Users are granted only the access required to perform their intended function
- **Role-Based Access** – Access is aligned to defined roles rather than individuals
- **Accountability** – All access is attributable to an identified user account
- **Separation of Activities** – Administrative access is limited and intentionally controlled

PCOS prioritizes **discipline and realism** over full-scale enterprise enforcement.

## 4. User Roles

### 4.1 System Owner / Administrator (Primary Role)

The PCOS System Owner serves as the **primary administrator** and is responsible for:

- System configuration and maintenance
- Security control implementation
- User account approval and management
- Monitoring and reviewing access activity

This role maintains **administrative privileges** across PCOS components.

### 4.2 Standard User (Optional / Limited)

Standard user accounts may exist for:

- Basic system interaction
- Non-privileged testing or review activities

These accounts:

- Do not have administrative rights
- Are restricted to specific systems or functions
- Are created only when necessary

### 4.3 Guest / Temporary Access

Guest or temporary access may be granted for:

- System review
- Functional testing
- Demonstrations
- Controlled cybersecurity exercises

Guest access is:

- Time-bound
- Limited in scope
- Disabled or removed after use

Guest accounts are **not intended for persistent system access**.

## 5. Pentesting and CTF Activities

Occasional **penetration testing or Capture-the-Flag (CTF)** activities may be conducted within PCOS by trusted participants.

Key considerations:

- Participants may be granted **temporary, restricted access**
- Activities are performed in **designated systems or segments**
- All pentesting and CTF activity is **documented separately** in the artifact titled: **“Penetration Testing Activities, Reports, and Remediation”** (Located [HERE](#))

This User Access Management Plan governs **account authorization only**; technical testing scope, rules of engagement, findings, and remediation are addressed in the separate artifact.

## 6. Account Management

### 6.1 Account Creation

User accounts are created only when:

- There is a defined purpose
- Access is approved by the System Owner
- The access level is documented

Each account is uniquely identifiable and assigned to a single user.

### 6.2 Privilege Assignment

- Administrative privileges are restricted to the System Owner
- Elevated privileges are granted sparingly and only when required
- Guest and test accounts are **non-privileged by default**

### 6.3 Account Modification

Access changes may occur due to:

- Changes in testing scope
- Completion of a temporary activity
- Security or operational needs

All changes are documented informally through PCOS logs or notes.

## 6.4 Account Removal

Accounts are disabled or removed when:

- Access is no longer required
- Testing or review activities are complete
- An account is no longer actively used

## 7. Authentication Practices

PCOS uses standard authentication mechanisms appropriate to the platform, including:

- Local or directory-based authentication
- Strong passwords consistent with modern OS defaults
- Administrative authentication separation where supported

Multi-factor authentication (MFA) may be implemented where practical but is not mandatory for all components.

## 8. Access Review

Access reviews are conducted:

- Periodically, or
- When system changes occur

Given the limited number of users, reviews focus on:

- Verifying that only expected accounts exist
- Ensuring no unused or unnecessary accounts remain
- Confirming administrative access is appropriately restricted

## 9. Logging and Monitoring

Where supported by the platform:

- User authentication events are logged
- Administrative actions are auditable

- Logs may be centralized for review

Detailed analysis and alerting is handled through existing logging and monitoring capabilities.

## 10. Exceptions and Limitations

PCOS is a **non-regulated, single-operator laboratory environment**. As such:

- Access management practices are intentionally simplified
- Formal approval workflows and periodic audits are lightweight
- The focus is on **learning, realism, and disciplined operation**, not full enterprise enforcement

Any deviations from this plan are handled pragmatically and documented where appropriate.

## 11. Review and Maintenance

This plan is reviewed:

- At least annually, or
- When significant changes to user access occur

Updates are made as the system evolves.