Tools Security Roadmap

As of November 2017
Managing unused accounts
Plan of action

Terminate and remove unused accounts

Original Plan

12/5/17

Updated Plan -

Phase 1 (1/25/18)
Only public (read) access
6200 member accounts
5800 non-member accounts

Phase 2 (Late February 2018)
Read/Write access
~25000 member accounts

Phase 3 (Late March 2018)
All previously terminated accounts
~44000 accounts
### Upcoming Changes - Access Control

<table>
<thead>
<tr>
<th>Access Control Feature</th>
<th>Details</th>
<th>Preliminary Production Availability</th>
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</thead>
<tbody>
<tr>
<td>Terminate and remove unused accounts</td>
<td>Phase 1: All accounts with only public/read-only access (9 months)</td>
<td>1/25/2018</td>
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<tr>
<td></td>
<td>Phase 2: All accounts with read/write access (365 days)</td>
<td>Late February 2018</td>
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<td>Phase 3: Previously terminated accounts outside of phases 1 &amp; 2</td>
<td>Late March 2018</td>
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</tbody>
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**Overview:**
- We will start terminating and removing unused accounts
- 9 months for read only accounts
- 365 days for read/write accounts

**Customer Action:**
We ask that CAMs review accounts locked for the identified periods and re-activate if needed

**Customer Impact:**
- There will be a lot of emails
- Terminated accounts can no longer be used to register for meetings on PJM.com
SSO Upgrade
Background

We will be upgrading the Single Sign On (SSO) backend for PJM tools

- Does not include eDART, EGADS

Customer Impact/Expectations

- Login URL change

- Minor change to Multi Factor Authentication page for account manager
• Phased rollout
  – URL changes will be rolled out to applications in phases
  – Bookmarks will need to change
  – No outages expected
  – Details on phases coming soon
<table>
<thead>
<tr>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
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<tbody>
<tr>
<td>Automated account clean up</td>
<td>Phase 1: 1/25</td>
<td>Phase 2: Late Feb</td>
<td>Phase 3: Late March</td>
<td>URL Changes</td>
<td>Upgrade: mid July</td>
<td>URL Changes</td>
<td>Upgrade: late August</td>
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<td>Single Sign on Upgrade - Training</td>
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