Tools Security Roadmap

As of June 19, 2018
Single Sign On Upgrade
Upgrade of Single Sign On (SSO) backend for PJM Tools
  – Does not include eDART, eGADS

Impact
  – Login URL/Link Change
    • /das changed to /access
  – Change to length of authentication token

<table>
<thead>
<tr>
<th>Area</th>
<th>Impact</th>
<th>Action Required</th>
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<tbody>
<tr>
<td>UI</td>
<td>The sso login url/link</td>
<td>Change any bookmarks that have the old link</td>
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<tr>
<td>Browserless</td>
<td>Token length is shortened from 106 to 94 characters</td>
<td>Any code that depends on knowing the length of the token will need to change</td>
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Key Points

• Execution in phases
• No impacts to browser based usage
• Potential impact to browserless usage
• Actions to take
  – Update bookmarks as needed
  – Update browserless code as needed
Phases

Phase 1
- Bulletin Board
- Gas Pipeline

Phase 2
- Emergency Procedures
- Data Miner (v1 legacy)
- Billing Line Item Transfer

Phase 3
- DR Hub
- Planning Center
  - Queue Point
  - Gen Model
- Resource Tracker
- FTR Center
- InSchedule
- Power Meter
- Messages
- Etools

Phase 4
- Account Manager
- ExSchedule
- PCLLRW
- Markets Gateway
- Data Viewer
- eCredit
- eRPM
- OASIS
- Voting
- MSRS
<table>
<thead>
<tr>
<th>Single Sign-on Upgrade</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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<td>Train Upgrade: July 11</td>
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<td>Prod Upgrade: late August</td>
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• Account Manager
URL change details

- **ExSchedule**
  - From: 
    ```
    ```
  - To: 
    ```
    ```
URL change details

- **PCLLRW**
  - From: 
    ```
    mpcllrw/pages/secu...:https%3A%2F%2Fpjmpcllrw.pjm.com%3A443%2Fpj
    mpcllrw%2Fpages%2Fsecure%2F
    ```
  - To: 
    ```
    ```
• Markets Gateway
• Data Viewer
  – From: 
  – To: 
URL change details

• MSRS
URL change details

- **eCredit**
  - From:  
  - To:  
URL change details

• Voting
  – From: 
  
  – To: 