

# **Tools Security Roadmap**

As of July 21, 2021

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- Updated SSO Upgrade dates
- Updated MSRS Opt-in dates
- Added Slide with PKI guides and links
- Removed Appendix section



# **Impact Details**

Product - Action Required	Dates	Who May Be Affected
<ul> <li>Single Sign on (SSO) System upgrade - Production</li> <li>Any code parsing SSO Authentication response based on length will need to change. Use JSON parser or other methods</li> </ul>	August 24 4 p.m. to 7 p.m.	<ul> <li>Any browserless code that depends on knowing the length of the token will need to change</li> </ul>









# 2021 Tools Security Roadmap

	2021											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browserless/API 2 Factor Authentication				7	Гrain (opt-i	in) – Jun 14	Produc	tion (Opt-I		(opt-in)		
Single Sign On Upgrades						◆ Train – Jur	22	Production	n – Aug 24			





## \* PKI Timeline

### May 4

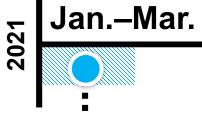
ExSchedule and **OASIS** Production **Implementation** 

Jun. (Train) – Jul. (Production)

PKI **optional** opt-in to Power Meter, Markets Gateway, InSchedule, FTR Center, DR Hub Capacity Exchange

Jan. – Mar.

PKI mandatory\*\* to Power Meter, Markets Gateway, InSchedule, FTR Center, DR Hub Capacity Exchange, **MSRS** 



Apr.-May

Jun.-Jul.

22 20



Mar. 2

ExSchedule and **OASIS** Train Implementation

Apr. 1

**PKI** Certificate link feature in **Account Manager**  Sep/Oct

PKI Opt-in to MSRS

**FAQ Document** 

**PKI** Guide

- PJM is accepting certificates only from NAESB Approved Authorities
- \*\* PJM will implement mandatory PKI one tool at a time. More details in Q4 2020

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- Single Sign On (SSO) System upgrades
  - When:
    - Train: Completed
    - Production: August 24
- Impacts
  - SSO Token length is changing with upgrade and not going to be a fixed value
  - Any code parsing SSO Authentication response based on length will need to change. Use JSON parser or other methods

{"tokenId":"yRQ9EqYG\_1XpUXYE2C3yFDPPE9A.\*AAJTSQAtDIAlNLABw2Y0N0ZjerZUh30GY4M2JjV29wc3BueWZweE09AAJT MQACMDc.\*","successUrl":"/access/console","realm":"/"}



- FAQs for PKI Certificates and Two-Step Verification Browserless/API: <a href="https://www.pjm.com/-">https://www.pjm.com/-</a> /media/etools/security/pki-faqs.ashx?la=en
- PKI-Based Authentication Guide: <a href="https://www.pjm.com/-/media/etools/security/pki-authentication-guide.ashx?la=en/">https://www.pjm.com/-/media/etools/security/pki-authentication-guide.ashx?la=en/</a>

Exporting public keys from pfx/p12 : <a href="https://www.pjm.com/-/media/etools/security/pki-export-public-keys.ashx?la=en">https://www.pjm.com/-/media/etools/security/pki-export-public-keys.ashx?la=en</a>

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**Tool Security Changes** 



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