

Tools Security Roadmap

As of March 18, 2020

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Added Single Sign On Login UI Changes



Impact Details

Product - Action Required	Dates	Who May Be Affected
Single Sign On(SSO) - Delete book marked SSO Login URL	April 21 5 p.m.	All Users of Single Sign On Tools











Product - Action Required	Dates	Who May Be Affected					
 ExSchedule & OASIS Obtain valid PKI certificates from approved Certificate Authorities Rewrite Browserless/API authentication code Use PJM provided command line interface (CLI) 	Q3, 2020	 Users of ExSchedule and OASIS 3rd party Vendors for ExSchedule and OASIS Developers of ExSchedule and OASIS Browserless/API code 					
Account ManagerAssociate valid PKI certificates with user account in Account Manager	Q3, 2020	Users of ExSchedule and OASIS					









2020 Tentative Roadmap

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
PKI for OASIS &	Develop	Development and Testing Production: TBD										
ExSchedule						· ·	Train & Me	ember lest	ing: TBD	•		
Browserless/API 2 Factor Authentication		Developm	ent and Te	sting	-		Tr	ain & Mem	ber Testinç	g: TBD	Producti	on (Opt-In):
SSO Login UI Changes		Tra	in: March 2	25 Proc	duction: Apr	il 21						

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ExSchedule & OASIS Public Key Infrastructure (PKI)

Browser-less/API
2 Factor
Authentication

Login UI Changes



PKI

- On February 4, 2020 FERC issued an order to comply with NAESB 3.2 changes
- Implement PKI to provide secure access to
 - OASIS
 - E-Tagging applications (ExSchedule)
- Existing certificates that meet NAESB requirements will be accepted
- When:
 - Train: Q3, 2020
 - Production: Q4, 2020



Background – Browser-less/API 2 Factor Authentication

- Browserless/API 2 Factor Authentication
 - Leverage PKI solution
 - Scope
 - Included: All PJM Tools that are part of Single Sign On and have Browserless APIs
 - Excluded: ExSchedule and OASIS
 - When:
 - Optional in Q4, 2020
 - Mandatory in 2021



https://www.pjm.com/-/media/etools/security/pki-faqs.ashx?la=en



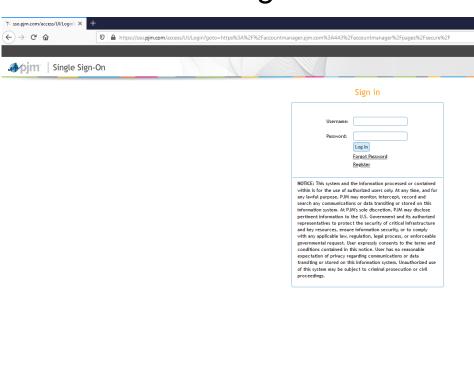
Background - SSO Login UI Changes

- SSO Login UI Changes
 - UI framework change
 - Login URL changed from https://sso.pjm.com/access/UI/Login to https://sso.pjm.com/access/XUI/#login/
 - Delete SSO Login URL bookmarks
 - Bookmarking of Application URL is preferred
 - When:
 - Train: March 25
 - Production: April 21



Login UI Changes

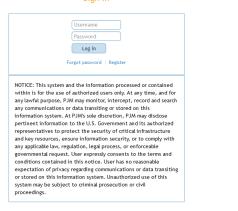
Old Page



New Page



Sign In



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Login UI Changes

Old Page



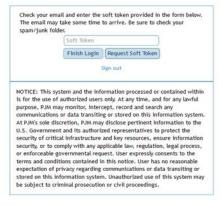
Enter Soft Token

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