



Tools Security Roadmap

As of July 21, 2021

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

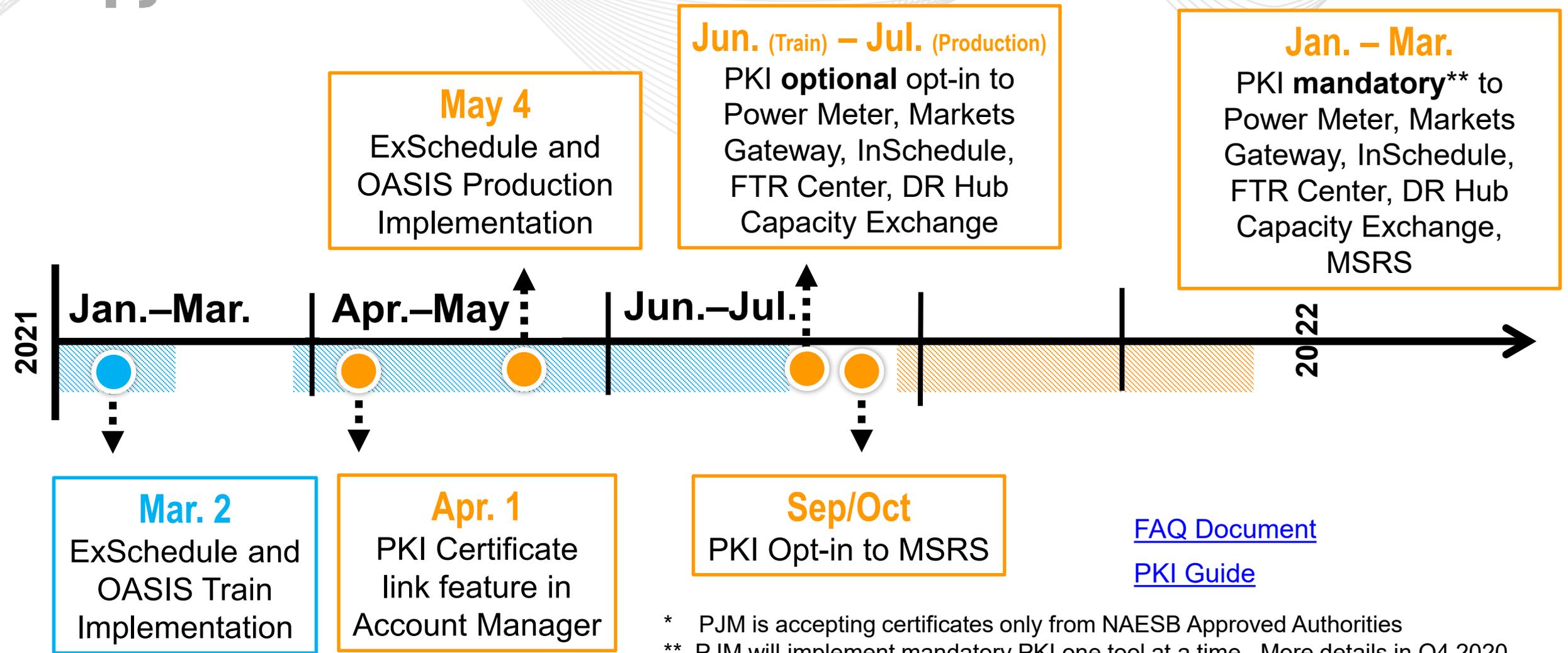
Product - Action Required	Dates	Who May Be Affected
<p>Single Sign on (SSO) System upgrade - Production</p> <ul style="list-style-type: none"> Any code parsing SSO Authentication response based on length will need to change. Use JSON parser or other methods 	<p>August 24 4 p.m. to 7 p.m.</p>	<ul style="list-style-type: none"> Any browserless code that depends on knowing the length of the token will need to change



2021												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browserless/API 2 Factor Authentication						Train (opt-in) – Jun 14	Production (Opt-In) – Jul 15		MSRS (opt-in)			
Single Sign On Upgrades						Train – Jun 22		Production – Aug 24				

Legend

- Start Date
- ◆ End Date



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

- 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.*AAJTSQAtDIA1NLABw2Y0N0ZjerZUh30GY4M2JjV29wc3BueWZweE09AAJT  
MQACMDc.*", "successUrl":"/access/console", "realm":"/"}
```

- FAQs for PKI Certificates and Two-Step Verification Browserless/API: <https://www.pjm.com/-/media/etools/security/pki-faqs.ashx?la=en>
- PKI-Based Authentication Guide: <https://www.pjm.com/-/media/etools/security/pki-authentication-guide.ashx?la=en>
- Exporting public keys from pfx/p12 : <https://www.pjm.com/-/media/etools/security/pki-export-public-keys.ashx?la=en>

Presenter:

Sunil Kumar Rachakonda

SunilKumar.Rachakonda@pjm.com

SME:

Sunil Kumar Rachakonda

SunilKumar.Rachakonda@pjm.com

Tool Security Changes



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com