



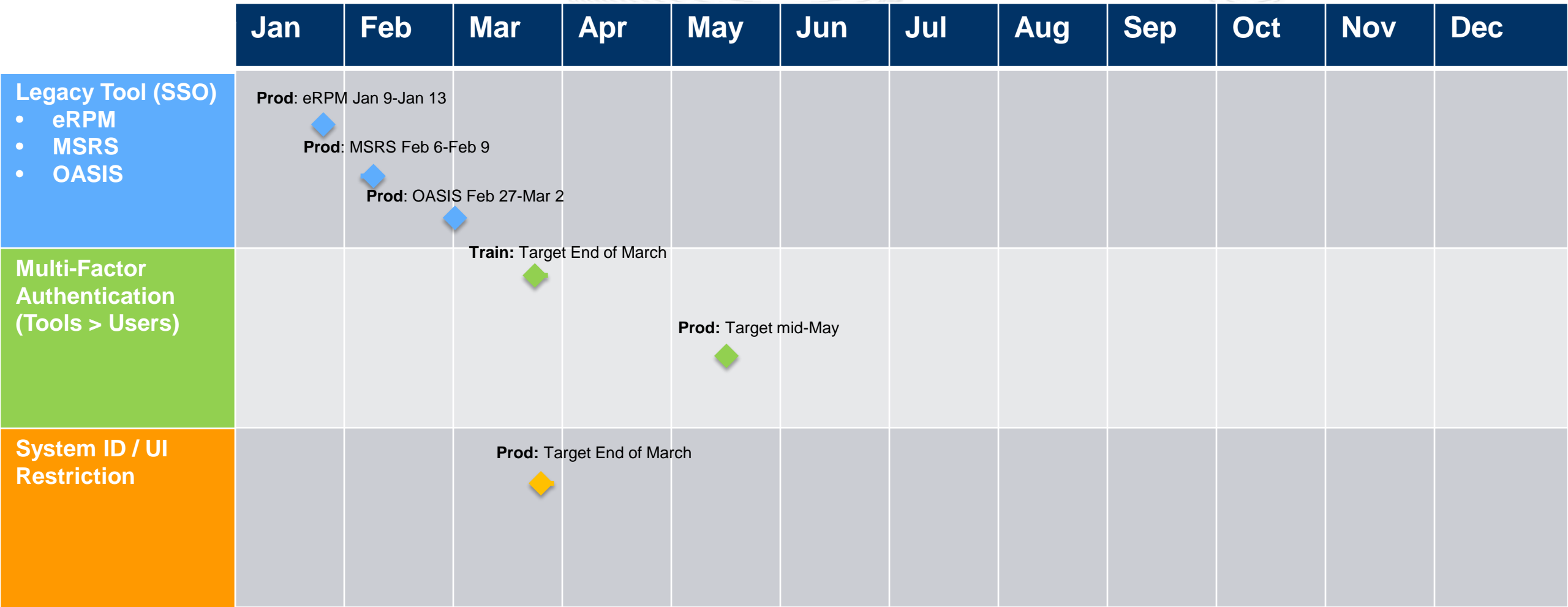
# Tools Security Product Roadmap

As of November 26, 2016

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Legacy Tool (SSO)</b> <ul style="list-style-type: none"> <li>eCredit</li> <li>eRPM</li> <li>MSRS</li> <li>OASIS</li> </ul>		Train: February 9 									Prod: eCredit Nov 17 	
<b>Active Tool Sessions – Max 25 sessions</b>											Prod: November 29 	
<b>Tools Switchover to Milford Datacenter</b> (Markets Gateway, ExSchedule, Emergency Procedures, PCLLRW, Account Manager)									Prod: October 4 		Prod: November 9 	

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Multi-Factor Authentication</b> (Account Manager > CAM's)												TRN: Late December





Access Control Feature	Sandbox/Training Availability	Preliminary Production Availability
SSO Migration for Legacy Tools (eCredit, eRPM, MSRS, OASIS)	February 9, 2016	November 2016 – March 2017

**Overview:**

In an effort to enhance security on the authentication methods used to access PJM tools, legacy tools will be secured with the latest Single Sign-On solution.

**Customer Impact:**

No impact. No changes to browserless authentication

Access Control Feature	Sandbox/Training Availability	Preliminary Production Availability
Account Manager – (MFA) Multi Factor Authentication	December 2016	January 2017
Opt-In for Users/Tools – (MFA) Multi Factor Authentication	Q1 2017	Q2 2017

**Overview:**

In an effort to enhance security on the authentication methods used to access PJM tools, an email with a one-time password (numeric ID) will be received by CAM’s upon login to the Account Manager tool with user credentials. The one-time password must be entered in order to gain access to the tool. The one-time password will be stored on a maximum of 2 devices and expire after 90 days.

In 2017, this will be expanded and made optional to all user accounts and tools.

**Customer Impact:**

(2016) CAM’s must supply valid login credentials and one-time password (numeric id) received in email to gain access to the Account Manager tool. CAM’s should ensure the email address on their account profile is accurate. (2017) Expanded to all users/tools.

Access Control Feature	Sandbox/Training Availability	Preliminary Production Availability
System ID / UI Restriction	July 12, 2016	March 2017

**Overview:**

In an effort to enhance security on the authentication methods used to access PJM tools, registered System ID accounts will no longer be permitted to access the user interface of PJM tools with the exception of PJM Tools homepage and the ‘User Profile’ section in Account Manager.

System ID accounts will be utilized for browserless activity only.

**Customer Impact:**

System ID accounts will no longer have the ability to access PJM refreshed tools UI. If access to UI is required, a new user account will need to be created.

