

# MSRS Refresh PKI Certificates

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- Public Key Infrastructure (PKI) is a technology for authenticating users and devices in the digital world. The basic idea is to have one or more trusted parties digitally sign documents certifying that a particular cryptographic key belongs to a particular user or device and are safe to use. These documents are known as certificates.
- On February 4, 2020 FERC issued an order for Public Utilities to comply with NAESB 3.2 standards which says to protect all OASIS transfers with Certificate based authentication.
- PJM is planning to leverage PKI for browserless transfers that are part of single sign on(SSO), including MSRS.
- FAQ for PJM's PKI implementation:
  - <https://www.pjm.com/-/media/etools/security/pki-faqs.ashx?la=en>

- Due to feedback received, PJM is making some changes to further improve the user experience with the PKI implementation.
  - PKI implementation times have been rescheduled
  - PKI implementation for MSRS will no longer be included as part of the MSRS refresh project
  - Two-factor authentication with token based authentication will still be implemented
  - Use of SUMA accounts with MSRS is still encouraged
- Refreshed MSRS UI will be released to training environment in October, 2020.