Certificate Replacement Program

Market Participant Information Pack

Agenda

1. What is the Certificate Replacement Program?
2. Timeline for replacement
3. Market Participant involvement
4. Next steps
5. How to contact us

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Certificate Replacement Program

Certificates 101

- Most Market Participants communicate with AEMO's systems and each other using secure certificates.
- This is called MTLS (Mutual TLS Authentication). These secure certificates allow applications to trust communications between parties that participate in Australia's Energy Market.

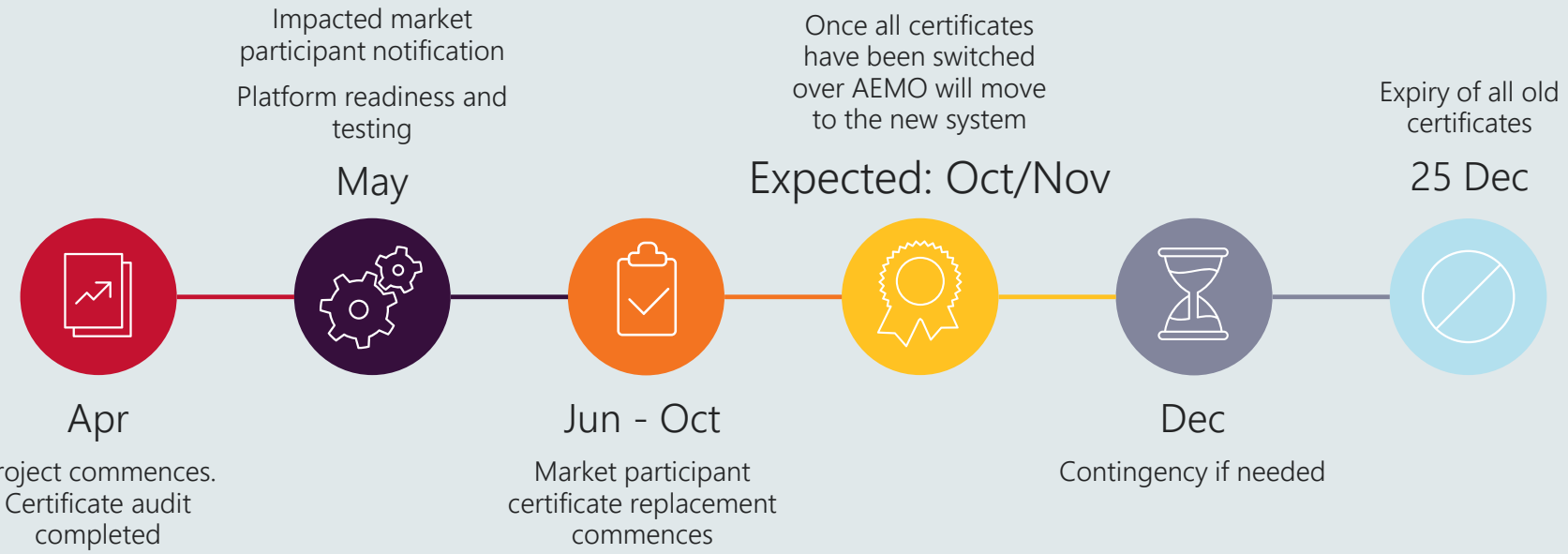
Background

- These certificates, held by both AEMO and market participants, are due to expire on the 25 December 2020, and must be refreshed.
- Anyone without new certificates after 25 December will not be able to communicate with AEMO's systems.

The Program

- AEMO will be replacing all impacted certificates from June to November.
- Impacted market participants will need to use these new certificates prior to 25 December.

Timeline



Both new and old certificates will work in parallel during the replacement period, until hard-cutover, which is expected to be in Oct/Nov

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What we will need to do

01

Back-end infrastructure

AEMO is updating and rigorously testing back-end infrastructure, which will allow for both old and new certificates to work in parallel. AEMO will generate new certificates for participants to use.

02

Market participants systems

Impacted **market participants** must replace all old certificates with new ones issued by AEMO before the hard-cutover date. Participants MUST keep their old root-cert in place until hard cutover has occurred, where it can then be safely removed.

Certificate Replacement Process

Step 1

Generate Certificate Signing Request (CSR)

making sure the key size is **RSA 2048** and there is **no password** set on the CSR

Step 2

Email CSR to us at

certificatereplacement@aemo.com.au

where our team will issue a replacement cert for you

Step 3

Configure Certificate

After the required dates you can safely replace your existing certificates under your required change windows

We will regularly update you on relevant dates and information on when AEMO environments have been configured to accept the new certificates. Please attend the monthly forums, or email us on certificatereplacement@aemo.com.au, and we will respond to your enquiries promptly.

A CSR (Certificate Signing Request file) is used by AEMO to generate a certificate unique to your organisation. Your IT and Network teams will be able to provide AEMO the required CSR file.

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Next steps

Work with your internal IT and network teams to identify where and how you will need to replace your old certificates

Step 01
Certificate replacement readiness

Step 02
Generate CSRs

Generate a CSR making sure the key size is RSA 2048 and there is no password set on the CSR and send to AEMO.

AEMO will send you a new certificate and work with you to ensure you cutover to the new certificate

Step 03
Certificate replacements

Step 04
Cutover to new certificates

Ensure all your systems connected to AEMO are using the new certificate and are able to accept new certificate from AEMO prior to hard cutover.

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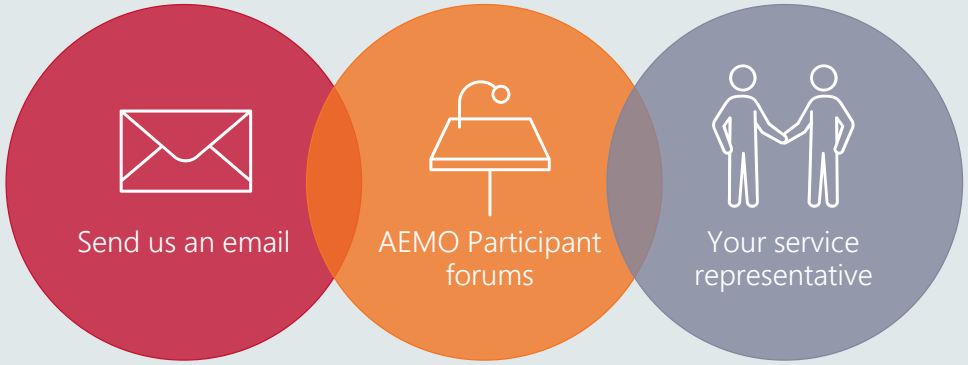
Contact us



Mailbox
certificatereplacement@aemo.com.au

Forums
Feedback and questions at our regular forums

AEMO Support Hub
supporthub@aemo.com.au

The AEMO Certificate Replacement project team will be working with you full-time until all certificates are successfully replaced