Release Plan for IT Changes

Target Plan for Release 52.0, September 2024

Changes to IESO systems planned as part of Release 52.0 are described below. Unless noted otherwise, the planned deployment dates are:

- Sandbox Build on August 1, 2024
- Non-Real Time Build on September 4, 2024
- Real-Time Build on September 11, 2024

For the annual 2024 IESO IT Release Schedule web page, click here.

Any modification from a previous release plan is noted in the description. More information about the IT Release Plan is found at the end of this document. Questions or concerns about IESO Release Plans can be sent to the email address, pending.changes@ieso.ca or directed to IESO Customer Relations.

ID103841 – IESO Reports Site Refresh

Type of change

Non-Real Time, Category 3.

Stakeholder & Document References

N/A

Applications Impacted

Sandbox	Production
IESO Sandbox Participant Reports	**IESO Participant Reports**
Click https://reports-sandbox.ieso.ca/ to go to the Sandbox Participants Reports page.	Click https://reports.ieso.ca/ to go to the Participants Reports page.

Reason for Change

The IESO Reports Site will be updated to ensure the continued delivery of both public and private automated reports using newer, vendor-supported software and more robust hardware infrastructure.

This change will also leverage the enhanced security controls through the IESO Gateway's multi-factor authentication (MFA) policies to the private reports site.

Description of Change

This change will update the IESO Reports Site underlying platform software as well the look and feel of the browser user interface.

Login to the new site will be integrated with the IESO Gateway, which will also change the API endpoint URL that will require a change in any consumer application(s).

The URL to the public reports will change to integrate with the Transport Layer Security (TLS) cryptographic protocol. For private reports, the web URL will not change.

The new IESO Reports site will go live on September 16, 2024 with sandbox testing expected this summer (July).

Expected Impact

Participants can expect the browser UI to have a different look and feel. The current login page will be replaced by the IESO Gateway login page. There will be no change to user credentials; your existing username and password will continue to work.

Participants who currently use an API account to automate retrieving reports via HTTP REST API will need to update the API endpoint in their consumer applications(s). Updating the API endpoint will

need to be done before this change and requires adding the following query string parameter to the very end of any request(s): "?idp_id=ieso"

Example:

Current Endpoint: https://reports.ieso.ca/api/v1.1/files/private

Future Endpoint: https://reports.ieso.ca/api/v1.1/files/private?idp_id=ieso

Participants who currently use an API account to automate retrieving reports via SSH protocol (SFTP/SCP) will NOT need to make any change to their consumer application(s).

The URL to access the Public Reports will be changing from: http://reports.ieso.ca/public to: https://reports-public.ieso.ca

The URL to access the Private Reports will remain the same: https://reports.ieso.ca

Renew SSL Certificates

Stakeholder & Document References

On May 25, 2023, the IESO distributed an urgent communication advising market participants to download new intermediate and root certificates from Digicert on or before May 29, 2023 and import them to their Java Truststore.

These changes will only impact market participants who have not updated the intermediate and root certificates as of May 2023.

Reason for Change

The reason for these changes is to renew SSL certificates ahead of the expiration date.

On May 29, 2023, the IESO updated the web certificates for IESO Web Services, including new intermediate and root certificates from the IESO's certificate authority (CA), Digicert.

Market Participants who integrate with IESO Web Services through API will have updated the intermediate and root certificates before May 29, prior to the IESO updating its certificates otherwise there will have been a loss of API connectivity to IESO Web Services.

Note: Market participants who have already updated the intermediate and root certificates from Digicert as of May 2023 will NOT be impacted.

Description of Change

The IESO will renew the SSL certificates used for the production site listed below on September 11, 2024.

Expected Impact

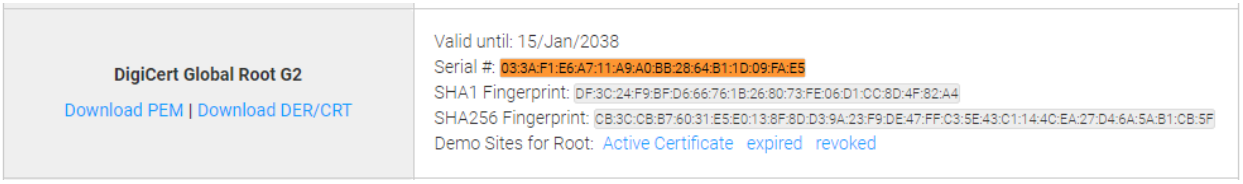
Market participants who have updated the intermediate and root certificates from Digicert as of May 2023 will not be impacted. Users may need to refresh the webpage when the certificate is renewed.

Market participants who have not updated the intermediate and root certificates from Digicert as of May 2023 will need to download new certificates from Digicert and import them to their Java Truststore.

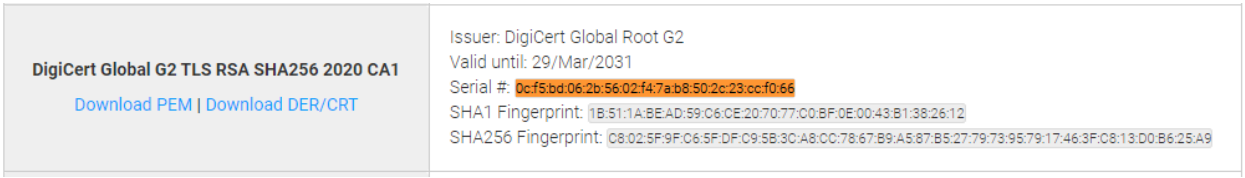
The IESO has drafted instructions to assist Market Participants with downloading and importing the new certificates:

1. Click the following link to go to Digicert: https://www.digicert.com/kb/digicert-root-certificates.htm
2. Search specifically for the following certificates, identified below by the red, bold lettering:

- **Root Cert** – **DigiCert Global Root G2**
  Serial #: 03:3A:F1:E6:A7:11:A9:A0:BB:28:64:B1:1D:09:FA:E5



- **Intermediate Cert** - **DigiCert Global G2 TLS RSA SHA256 2020 CA1**
  Serial #: 0c:f5:bd:06:2b:56:02:f4:7a:b8:50:2c:23:cc:f0:66



3. Click **Download DER/CRT** to download the certificates.
4. Once the root and intermediate certificates have been downloaded, they will need to be imported to the Java Truststore. The steps to import the certificates may differ between Market Participants and will differ between Windows and Linux systems.

ID103797- Renew SSL certificate: outages.ieso.ca

Type of change

Real Time, Category 3.

Applications Impacted

Sandbox	Production
N/A	outages.ieso.ca

Reason for Change

This change is to renew the SSL certificate for outages.ieso.ca ahead of their expiration dates.

Description of Change

This change will renew the SSL certificate for outages.ieso.ca so that they expire in 2025.

Expected Impact

Users may need to refresh the pages after the certificates are renewed.

About the IT Release Plan

Four times a year, the IESO coordinates a release package of changes to IESO systems that will impact users outside the IESO. These changes are categorized as either:

- **Category 2** change (users will have to make a functional change, such as an update to a procedure), or
- **Category 3** change (users will have to modify a technical interface with an IESO system or solution).

For each release, three versions of the Release Plan are published:

1. Preliminary Release Plan
2. Target Release Plan
3. Final Release Plan

The IT Release Schedule provides the planned dates for each release. Dates for specific changes may differ from the calendar dates, but these will be provided in the Release Plan. For the full 2023 Release Schedule on the IESO Web page, click here.

Sandbox Implementation is the date the change is deployed on the IESO Sandbox environment, used for testing and training.

Production Build is the date the change goes live. This may happen during either:

1. Real-Time Build for systems used to interact with the IESO-Controlled Grid or IESO-Administered Market, or
2. Non-Real Time Build for other systems used to interact with the IESO, such as those used for settlements or registration activities.

Efforts are made to minimize the impacts of system outages during planned releases. Planned outages are posted in advance on the IESO Planned IT Outages Web page. Click here for a link.