eDART March 2014 Release Enhancements

eDART Users Group Meeting
03/17/2014
Release Schedule

- **Production**
  - Release of enhancements scheduled for Wednesday, March 26th.

- **Sandbox**
  - Release of enhancements scheduled for Monday, March 17th.
Overview

- Changes to Account Registration Process
  - Transmission Owner Access to One Line Diagrams
  - March 2014 Enhancements
  - Future Enhancements
  - Question & Answer Resolution Session
Changes to Account Registration Process
The Account Registration Process will be undergoing changes to both increase security and better manage eDART Users.

- eDART Member Registration Form changes:
  - Look and feel updated.
  - Ability to add more than 5 users.
  - Password field will be removed. The CAM for the new account will be given a temporary password which the user is required to change. Temporary password will remain active for 4 hours.
• eDART Member Registration Form changes (cont’d):
  – CEII approval required for Transmission Edit or Read Only access requests. Link to CEII Request Form to be added to registration form.

• CAM re-certification process to include notification of eDART users inactive for 12 or more months. CAM would need to verify users to prevent account from being revoked.
Account Registration Process

**eDART Registration Form**

To register users for eDART, complete this form then select “Submit.” For assistance in filling out this form, please review the online help.

**Required**

- Please select your member company name below.
- If your company is not in the list below, please select “Other” and fill in the appropriate name, select member company.

**User 1**

- Registration change
  - Name:
  - User ID:
  - Verify Password:
  - Application Type:
  - Generation Outage Tickets:
  - Transmission Outage Tickets:
  - Generic User:

**User 2**

- Registration change
  - Name:
  - User ID:
  - Verify Password:
  - Application Type:
  - Access Type:

**Contact Information**

Please fill out the contact information below or sign in.

- Authorized contact name:
- Company:
- Phone:
- Email:
- Confirm email:
- Fax:

**User 1**

- Address Line 1:
- Address Line 2:
- City:
- State:
- Zip code:

**User 2**

- Address Line 1:
- Address Line 2:
- City:
- State:
- Zip code:

**Select one**

- Select state
- Select state

**Select member company**

- Other

**Additional Information**

- Application and Access Type
- Name:
- User ID:
- Generated user:
- Generation outage tickets:
- Transmission outage tickets:
- Comments/Questions:

**Submit**

[Add New User] [Submit]
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Transmission Owner Access to One Line Diagrams
eDART Network Model One-lines Background

• Form 715 requires PJM to:
  – Submit system maps & one-lines to FERC.
  – Make this information available to TOs.
  – Satisfies Section 213 b of Federal Power Act.*
• PJM captures EMS One-line images after builds.
• Images loaded in eDART Network Model (SVGs).
• TOs can view images of their substations.
• Part of Critical Energy Infrastructure Info (CEII).

eDART Network Model One-lines Background

Historically:

- TOs can view images of other TO one-lines if
  - Both TOs have signed the TOAC NDA.
  - TO users sign Non-Disclosure Certificates.
  - TO CAM maintains list of authorized users.
  - PJM manages access thru Network Model.

Going forward:

- TO users must also obtain CEII access approval.
Obtaining CEII Access Approval

  – NDA Registration Number required on CEII Request Form.
  – Enter ‘555555’ if you have an NDA but cannot recall the registration number.

• Specific description of information requested:
  – One-line diagrams in eDART.

• Provide description of how the CEII will be used:
  – To verify that PJM is modeling TO substations correctly.
  – To confirm PJM existing and future configuration for substations under construction.
  – (If One-lines will not be used) At this time no intention to access one-line diagrams in eDART, however eDART role types (*Transmission R/W and Read Only*) are required for other work and provide access to that information.
• edART user list compared to CEII approval list.
• SOS-T reps advised of users w/o CEII approval.
  – Users have until April SOS-T meeting to obtain CEII approval.
  – SOS-T reps to notify edART team when CEII access is granted.
  – If CEII approval not granted, edART access revoked.
• Notification email has link to the CEII Request Form and instructions for completing the form.
Changes to eDART Account Registration

• PJM CEII contact to be notified of all eDART Transmission access requests
  – If CEII access is confirmed, access request forwarded to PJM CAM for creation.
  – If CEII access is not confirmed, access request denied.

• Note to be added to eDART Registration Form stating CEII access is needed for Transmission users.
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March 2014 Enhancements - Transmission
• Currently, transmission tickets with cranking path facilities can only have Review Needed = N/A if:
  – Emergency = FALSE & Cut-In = FALSE & Outage Duration ≤ 30 days.

• Additional logic to allow Review Needed = N/A for short duration emergency outage:
  – Emergency = TRUE & Cut-In = FALSE & Outage Duration ≤ 5 days.
Restoration Plan Review Logic

![Diagram of Restoration Plan Review Logic](image-url)
• Currently, OPD staff manually send existing ticket information when TO is granted notification rights to facilities.

• New automated process to send email notification of tickets for facilities TO is granted access to.
  – Denied, Cancelled, or Completed tickets excluded.
  – Ticket information sent in password-encrypted PDF.
  – The company’s email address must be verified to receive the new automatic email.
• TERM Equipment Rpt. download will be changed to include transmission facilities as well.
  – Previously only included TERM facilities where the TO had ownership rights.
  – Available via browserless interface as well.
  – No changes needed for new download.
Bug fix to correct issue where warnings for ratings changes of +/- 10% did not display the correct percentage change.

- For example: If the initial rating was 100 and the changed rating was 110, the percentage change displayed is 90% instead of 10%.
March 2014 Enhancements -
Generation
Informational Check on Gen Ticket Submission

- Warning added to stop submission of Informational Maintenance tickets with Reduction not equal to 0.
March 2014 Enhancements - Miscellaneous
User will be able to search the Facility Outages Reports by Ticket ID.
- This applies to the Current & Future and Historical reports.
- Currently, Company and Zone must be selected.
• Legal disclaimers on eDART and EP login have been changed to match the PJM standard Login warning (as approved by the PJM Legal department).
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• **Generator Owner Notification**
  – Notification of Approved tickets with expired Est. Start Date.
  – Notification of Active tickets with expired Est. End Date.

• **Flow Breaker Implementation.**
  – Adding and monitoring ratings on CBs.

• **RXB Ticket Clean Up.**
  – New UI, improved ticket functionality.
Future Enhancements

• Addition of Voltage Limits.
  – New application similar to TERM/RXB.

• Inclusion of long station names.
  – ENDA/ENDB stations already available.

• Conflict Analyzer Phase 3A/3.
  – Inclusion of external outages in conflict analyzer logic.
  – Recommend outage scheduling windows.
• Replace and consolidate current methods of capturing CB ratings in TERM.
  – Dummy SDs
  – Manual 03
  – Incorporate into other device rating.

• Looking for CB ratings data to determine scope.

• Target implementation – Sept 2014
  – Will function like other equipment in TERM.
  – More detailed information to be provided at next DMS.
Changes to NERC-TADS Reports

- Updates to NERC-TADS reports on Transmission Tickets to reflect changes to webTADS forms.
  - Shared Common Structure removed from Transmission Tickets.
• Remove:
  – Voltage Class
  – AC Substation Name #1
  – OH or UG
  – Shared Common Structure
• Remove:
  – Voltage Class
  – AC/DC Terminal Name #1
  – OH or UG
NERC-TADS 4.3 Report

- Remove:
  - High-Side Voltage Class
  - Located at (AC Sub. Name)
NERC-TADS 6.1 Report

- Remove:
  - Voltage Class
  - AC Substation Name #1
  - OH or UG
• Remove:
  – Voltage Class
  – AC/DC Terminal Name #1
  – OH or UG
• Remove:
  - High-Side Voltage Class
  - Located at (AC Sub. Name)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="true"?>
<NATransformerOutageList>
  <NATransformerOutage
    <OutageIDCode>12345</OutageIDCode>
    <ElementIdentifierName>TEST</ElementIdentifierName>
    <NAOutageType>Planned</NAOutageType>
    <OutageStartDT>03/06/2014 00:00</OutageStartDT>
    <TimeZoneCode>EPT</TimeZoneCode>
    <OutageDurationNbr>144:00</OutageDurationNbr>
    <PlannedCauseCodeName>Maintenance and Construction</PlannedCauseCodeName>
    <OperationalCauseCodeName>NA</OperationalCauseCodeName>
    <ContinueOutageFlag>0</ContinueOutageFlag>
  </NATransformerOutage>
</NATransformerOutageList>
```
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