eDART September 2014 Release Enhancements

eDART XML Users Group Meeting
09/04/2014
• Production
  – Release of enhancements scheduled for Wednesday, September 24th.

• Sandbox
  – Release of enhancements scheduled for week of September 8th.
Password Security Enhancements
- September 2014 Enhancements
- Future Enhancements
- Question & Answer Resolution Session
• New password security algorithm implemented on August 21st.
  – Changes transparent to users.
• Users are being asked to log in/connect to eDART by the end of 2014.
  – Production and Sandbox environments.
• Users still on old algorithm to be notified early 2015.
Overview

- Password Security Enhancements
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Display of Overlapping Gen Outage Tickets

• Existing web UI functionality displays generator outage tickets scheduled to occur during the same time as new ticket for the same unit.

• This functionality now available via XML interface.
  – New <warning> in <edartreply> after gen ticket upload: 
    *Unit number #### has overlapping tickets on the specified date range. Ticket IDs: ######, ######, ######*
  – Only displayed if overlapping ticket(s) exist.
Display of Overlapping Gen Outage Tickets

Before

```xml
<?xml version="1.0" encoding="UTF-8"?>
<edartreply>
  - <ticket_info>
    <pjm_ticket_id>302410</pjm_ticket_id>
    <company_ticket_id>PJM Test Ticket</company_ticket_id>
    <message>Generator ticket upload</message>
    <message>success</message>
    <executionTimestamp>2014-08-27 10:59:58</executionTimestamp>
  </ticket_info>
</edartreply>
```

After

```xml
<?xml version="1.0" encoding="UTF-8"?>
<edartreply>
  - <ticket_info>
    <pjm_ticket_id>302410</pjm_ticket_id>
    <company_ticket_id>PJM Test Ticket</company_ticket_id>
    <warning>Unit number 1435 has overlapping tickets on the specified date range. Ticket IDs: 302331,302409</warning>
    <message>Generator ticket upload</message>
    <message>success</message>
    <executionTimestamp>2014-08-27 10:59:58</executionTimestamp>
  </ticket_info>
</edartreply>
```
Error Message for Retired Transmission Facilities

• In current system, no error message displayed if user submits emergency transmission outage ticket for retired facilities.
  – Ticket rejected.

• Enhancement made to display <error> in <edartreply>.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<edartreply>
  - <ticket_info>
    <company_ticket_id>PJM Test Ticket</company_ticket_id>
    <error>One or more supplied pieces of equipment are not in the current EMS model. Equipment ta_id not in current model: 123</error>
    <error>Ticket rejected</error>
  </ticket_info>
</edartreply>
```
Changes to TERM Equipment Info. Download

• Duplicates removed from the ‘termi’ download.
  – Duplicates as a result of the combination of TERM notification and Transmission notification access.

• ‘termi’ download format changed for when shownotify=true.
  – <equipment_information> section removed to match current download for when shownotify=false.
  – To display <equipment_information> section, include showinfo=true.
Changes to TERM Equipment Info. Download

Before:

shownotify=true

```xml
<?xml version="1.0" encoding="UTF-8"?>
<edart>
  <term_equipment_list>
    <term_equipment_info>
      <equipment_id>1234</equipment_id>
      <ta_id>12345</ta_id>
      <company_name>Test Company</company_name>
      <equipment_information>
        <b1_name>STATION 1</b1_name>
        <b2_name>500 KV</b2_name>
        <b3_name>STA-TEST</b3_name>
        <b3_text>STATION-TEST 5016</b3_text>
      </equipment_information>
      <type>LINE</type>
      <end_id>END A</end_id>
      <charging_b>.8512</charging_b>
      <notification_type>Notification</notification_type>
      + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
      </term_equipment_info>
  </term_equipment_list>
</edart>
```

After:

shownotify=true

```xml
<?xml version="1.0" encoding="UTF-8"?>
<edart>
  <term_equipment_list>
    <term_equipment_info>
      <equipment_id>1234</equipment_id>
      <ta_id>12345</ta_id>
      <company_name>Test Company</company_name>
      <equipment_information>
        <b1_name>STATION 1</b1_name>
        <b2_name>500 KV</b2_name>
        <b3_name>STA-TEST</b3_name>
        <b3_text>STATION-TEST 5016</b3_text>
      </equipment_information>
      <type>LINE</type>
      <end_id>END A</end_id>
      <charging_b>.8512</charging_b>
      <notification_type>Notification</notification_type>
      + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
        + <rating_list>
      </term_equipment_info>
  </term_equipment_list>
</edart>
```
• New functionality for the addition of flow breakers and their ratings to the TERM application.

• XML interface impact:
  – New value for <type> in ‘termi’ download: BRKR.
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• Identification of BES facilities.
  – Addition of BES flag tag to Tariff Facilities and Tariff Equipment Details downloads.

• Identification of At Risk Transmission Outage Tickets.
  – Addition of At Risk tag to transticreview and transticnotify downloads.

• Grouping Transmission Outage Tickets into Projects.
  – New upload schema for creating projects.
  – Addition of Project tag to transcreate and transrevise uploads.
• Conflict Analyzer Phase 3a:
  – Potentially new conflict scenario download for conflicts with external/neighbor outages.

• Tools Refresh of Emergency Procedures:
  – Users will have the option to request accounts for access to EP or continue to use the Guest login.
  – Users will have to use the new Command Line Interface instead of the current legacy browserless client.
  – XML file format will change from the current version.
  – Demos and parallel operations being planned.
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Questions

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