eDART March 2015 Release Enhancements

eDART XML Users Group Meeting
02/27/2015
• Production
  – Release of enhancements scheduled for March 25th.

• Sandbox
  – Release of enhancements scheduled for March 2nd.
Password Security Enhancements

March 2015 Enhancements
- Identification of Primary Equipment on Transmission Tickets
- Changes to SSR downloads to support Emergency Procedures Tools Refresh
- Other March Enhancements and Bug Fixes

Future Enhancements

Miscellaneous Updates

Question & Answer Resolution Session
Password Security Enhancements

• New password security algorithm has been implemented.
  – Changes transparent to users.
• Users are being asked to log in/connect to eDART as soon as possible.
  – Production and Sandbox environments.
• Users still on old algorithm to be revoked by March 30, 2015.
Overview

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Identification of Primary Equipment on Trans Tickets

• New attribute available to identify primary equipment when submitting transmission tickets: `primaryEquipFlag="true"`

Old

```
<equipment status="0">
  <ta_id>1</ta_id>
  <interval_definition>
    <interval_start>
      <date>2017-06-29</date>
      <time>00:00:00</time>
    </interval_start>
    <interval_end>
      <date>2017-06-30</date>
      <time>05:00:00</time>
    </interval_end>
  </interval_definition>
</equipment>
```

New

```
<equipment status="0" primaryEquipFlag="true">
  <ta_id>1</ta_id>
  <interval_definition>
    <interval_start>
      <date>2017-06-29</date>
      <time>00:00:00</time>
    </interval_start>
    <interval_end>
      <date>2017-06-30</date>
      <time>05:00:00</time>
    </interval_end>
  </interval_definition>
</equipment>
```
Identification of Primary Equipment on Trans Tickets

- New flag can be used in both transcreate and transrevise uploads.
- Users can have multiple flags specified but only one can be set to true.
  - If more than one flag is set to true, the ticket will be rejected.
- If no flag is used then the first piece of equipment listed in the XML file will be marked as the primary equipment.
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Changes to SSR Downloads

- Emergency Procedures element (emergency_procedures) removed from SSR schema and SSR by date downloads (<ssrReport>).
- Emergency Procedures functionality in Web UI SSR Reports also to be removed.
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• Removed a line from the Terml results that threw errors when opened.

• Result files can now be viewable in most browsers: Internet Explorer, Chrome, etc.

Old

```xml
<?xml-stylesheet type="text/xsl" href="\terml.xsl"?>
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

New

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```
Currently, ratings.csv downloads are timing out and giving erroneous data.

Download times have been significantly reduced and should no longer time out.

With successful download, data in file is valid.
NERC-TADS Reporting Changes

- New TADS reporting rules now requiring TADS data for Automatic Outages (Form 4.X) to 0-99 kV BES and 100-199 kV BES equipment.
  - New requirement added to eDART.
  - Error message returned if data is omitted.

```xml
<edartreply>
  <ticket_info>
    <company_ticket_id>JP 9-30-2014 2</company_ticket_id>
    <error>Company is NERCTADS required and LINE or XFMR or PS equipment has been supplied with ticket and TADS Data has not been supplied</error>
    <error>Ticket rejected</error>
  </ticket_info>
</edartreply>
```
• 2 new codes added:
  – `<outageInitCode>`: Protection System-Initiated (6).
  – `<operational>`: Human Error (6).
PJM removed the requirement to submit Load Management data in eDART and to support this the following changes will be made:

- ssr.xsd upload will be removed.
- ‘loadManagement’ will be removed from ssrnonreporters.xsd upload.
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Future Enhancements

- **Enhancements to Instantaneous Reserve Check Functionality**
  - Schema changes to IRC & IRC Download.
  - IRC information to be submitted on a per-unit basis.

- **Grouping Transmission Outage Tickets into Projects.**
  - New upload schema for creating projects.
  - Addition of Project tag to transcreate and transrevise uploads.
• **Tools Refresh of Emergency Procedures:**
  - Users can request EP accounts or use the Guest login.
  - Command Line Interface replacing browserless client.
  - XML file format will change from the current version.
  - Sandbox version of the new tool now available. ([https://esuitetrain.pjm.com/mui/](https://esuitetrain.pjm.com/mui/))
  - Parallel Production environment to be available soon.
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• Updates to Unit Types and Generator Outage Cause Types
  – Email notifications will be sent to user group when updates made.
  – Updates currently available in Sandbox: download type = generationcause.

• Updates to XML Document Page
  http://pjm.com/pub/etools/edart/xmldocs/xmldoc.html
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