PJM Roadmap for eDART

As of October 26, 2016
Background

eDART (electronic Dispatcher Application and Reporting Tool) is a suite of electronic applications used to facilitate dispatcher-to-dispatcher communications, along with other engineering communication and coordination functions.

eDART Product Page
eDART Training Presentations
eDART User Group
eDART XML User Group
Background – eDART Applications

Used to verify if enough reserve MW available.

Used to verify generation will not over-exceed light load margins.

Used to schedule the output of Susquehanna River Hydroelectric Assets

Used to capture unit data and determine critical load in system restoration plans.

Used to record and schedule:
- Generator MW Outages
- Voltage Regulator Outages
- Governor Outages
- D-Curve Adjustments
- Reactive Tests

(IRC)
Used to verify if enough reserve MW available.

-Generator MW Outages
-Voltage Regulator Outages
-Governor Outages
-D-Curve Adjustments
-Reactive Tests
Background – eDART Applications

- **Used to record and schedule non-generator transmission facility outages.**
- **Used to coordinate the update of system restoration plans.**
- **Used by companies to submit changes to the transmission grid.**
- **Used to view updates made to Object IDs.**
- **Used to record and schedule line, transformer, phase shifters, series and flow devices temperature apparent power ratings.**
- **Used to practice and coordinate restoration of service in PJM area after a blackout.**
- **Used to update facility clearing times data used in dynamic studies.**
Background – eDART Applications

Current Status Report
15 minute snapshot of current status

Peak Status Report
Forecast of system condition for the peak of the day

Supplemental Status Report (SSR)
72 hour forecast of system condition; typically for extreme hot/cold weather conditions

Gen Checkout
Used to compare and highlight discrepancies between Market Gateway bids and Available Capacity. Brings Markets and Operations together in real-time

Used to record and coordinate
- Reactive Reserve Check (RRC)
- D-Curve Review (on Gen. Tickets menu for Gen users)

Used to manage PSSE mapping information for the purpose of sending and receiving info to/from NERC SDX
<table>
<thead>
<tr>
<th>Event Description</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
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<tbody>
<tr>
<td>Reactive Reserve Check (RRC) Rewrite Phase 1</td>
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<td>RRC Self Check Report in Prod: Sep. 28</td>
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<td>RRC Self Check Data: TBD</td>
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<tr>
<td>Owners Report Maintenance <em>(dates tentative)</em></td>
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<td>eDUG-G Meeting: Oct. 7</td>
<td>Train: Nov. 2</td>
<td>Prod: Nov. 16</td>
<td>Ongoing Feedback</td>
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<td>Reactive Test Results Tickets</td>
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<td>Switch Start Business Rules</td>
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<td>eDUG-G Meeting: Oct. 7</td>
<td>Train: Nov. 30</td>
<td>Prod: Dec. 14</td>
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<td>Network Model Form Update One-Line Diagram Files</td>
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<td>Train: Nov. 30</td>
<td>Prod: Dec. 14</td>
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**Legend**
- **Start Date**
- **End Date**

**Dates**
- **Prod**: Nov. 16
- **Prod**: Dec. 14
- **Train**: Nov. 2, Nov. 30
- **Feedback Due**: Nov. 9, Dec. 7, Dec. 7

**Notes**
- RRC Self Check Report in Prod: Sep. 28
- RRC Self Check Data: TBD
- Ongoing Feedback
RRC Rewrite:
• Self Check data to become available in New RRC.
• Updated every 5 minutes.
• **Impact**: Web & Browserless Interface for Transmission Users.
• **Outage**: Minimal (less than 5 minutes).

Owners Report Maintenance (ORM):
• Company notification of changes to ORM.
• Restriction of edit access to ORM to Admin and authorized users.
• **Impact**: Web User Interface for Generation Users.
• **Outage**: Minimal (less than 5 minutes).
• Discussed on 10/07 [user group meeting](#).
December Release Details

Dates:
• Train Release (XML/Web): November 16/30
• User Group Meetings: Mid-November (dates TBD)
• Coordinated Testing: December 2
• Production Release: December 14

Outage: eDART will be unavailable overnight on December 14th.

Reactive Test Results Tickets:
• Replacement of current MS Excel and email method of communicating reactive test data and analysis results.
• Ongoing feedback; additional enhancements planned for 2017.Q1.
• Current method to be retired May 1, 2017.
• Impact: Web User Interface for Generation Users.
Switch Start Business Rules:
• New business rules to prevent MW outages from being started earlier than approved.
• **Impact:** Generation users.

Network Model Form Update:
• Removal of fields no longer used.
• Streamlined data entry/request creation.
• **Impact:** Web User Interface for Transmission users.

One-Line Diagram Files
• Alternative One-Line Diagram file types (.pdf, .bmp, .svg, etc.) to be made available.
• **Impact:** Web User Interface for Transmission users.
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**Parallel Operations**