PJM Roadmap for eDART

As of November 21, 2016
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.
Background – eDART Applications

Used to record and schedule non-generator transmission facility outages.

Used by companies to submit changes to the transmission grid.

Used to coordinate the update of system restoration plans.

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**
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<th>Aug</th>
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<tr>
<td><strong>Reactive Reserve Check (RRC) Rewrite Phase 1</strong></td>
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<td><strong>RRC Self Check Report in Prod:</strong> Sep. 28</td>
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<td><strong>RRC Self Check Data:</strong> Dec. 14</td>
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<td><strong>Reactive Test Results Tickets</strong></td>
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<td><strong>Ongoing Feedback</strong></td>
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<td><strong>Switch Start Business Rules</strong></td>
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<td><strong>eDUG-G Meeting:</strong> Oct. 7</td>
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<td><strong>Train:</strong> Nov. 30</td>
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<td><strong>Network Model Form Update One-Line Diagram Files</strong></td>
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<td><strong>Prod:</strong> Dec. 14</td>
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**Legend**
- Start Date
- End Date

**Schedule Details**
- **RRC Self Check Report in Prod:** Sep. 28
- **RRC Self Check Data:** Dec. 14
- **Ongoing Feedback**
- **eDUG-G Meeting:** Oct. 7
- **Feedback Due:** Dec. 7
- **Train:** Nov. 30
- **Prod:** Dec. 14
December Release Details

Dates:
• Train Release: November 30
• User Group Meetings: December 2
• Coordinated Testing: December 9
• Production Release: December 14

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

RRC Rewrite:
• Moved from November due to additional requirements.
• Self Check data to become available in New RRC.
• Updated every 5 minutes.
• **Impact:** Web & Browserless Interface for Transmission Users.
December Release Details

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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2017 Roadmap (Tentative)

- **Parallel Operations**