PJM Roadmap for eDART

As of February 17, 2017
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 record and schedule:**
  - Generator MW Outages
  - Voltage Regulator Outages
  - Governor Outages
  - D-Curve Adjustments
  - Reactive Tests
  - Reactive Test Results Tickets

(IIRC)  
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 manage PSSE mapping information for the purpose of sending and receiving info to/from NERC SDX

-used to record and coordinate
-Reactive Reserve Check (RRC)
-D-Curve Review (on Gen. Tickets menu for Gen users)
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<thead>
<tr>
<th></th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
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<tbody>
<tr>
<td>Reactive Reserve Check</td>
<td></td>
<td>RRC Self Check Report in Prod: Sep. 28</td>
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<td>RRC Self Check Data: Dec. 21</td>
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<td>(RRC) Rewrite Phase 1</td>
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<td>Ongoing Feedback</td>
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<td>Reactive Test Results</td>
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<td>eDUG-G Meeting: Oct. 7</td>
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<td>Train: Nov. 30</td>
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<td>Tickets</td>
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<td>Prod: Dec. 14</td>
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<td>Ongoing Feedback</td>
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**Legend**
- Start Date
- End Date

www.pjm.com
RRC Rewrite Phase 1:
• Self Check data made available on February 2.
• Send feedback to RRCHelp@pjm.com.

Reactive Test Results Tickets:
• Replacement of current MS Excel and email method of communicating reactive test data and analysis results.
• Send feedback to ReactiveTesting@pjm.com
• Current method to be retired June 1, 2017.
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<thead>
<tr>
<th>Project</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
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<td>Addition of Voltage Limits</td>
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**Key Dates and Events**
- **eDUG-G Meeting**
- **Parallel Operations**
- **Prod: March 29**
Reactive Test Results Tickets – XML
- Web UI changes implemented December 14.
- January 30 user group meeting to review implementation options.
- Due to limited feedback, XML implementation deferred.

Periodic Surveys
- OC and MRC approved the requirement for Periodic Surveys.
- New GO Survey type issued on a monthly or more frequent basic.
- Impacted GOs will be notified as needed.
Tentative 2017 Roadmap – eDART Refresh

• Current timeline for JAVA Browserless Interface Migration
  – Q2 2017
    • Command Line Interface (CLI) design.
    • Stakeholders presentations and feedback.
  – Q3 2017
    • Available in Sandbox for testing, training and feedback.
  – Q4 2017
    • Parallel Production.
    • Shutdown of JAVA browserless interface; CLI is official browserless interface.
Tentative 2017 Roadmap – eDART Refresh

• Current timeline for Web UI refresh
  – Q2 2017
    • User Experience Analysis and Design
    • Requirements gathering
    • User accounts mapping to Account Manager
  – Q3 2017
    • Work planning (overall project schedule & web UI page sequencing)
  – Q4 – Ongoing
    • Web UI refresh
    • Progress review
<table>
<thead>
<tr>
<th>Event</th>
<th>Timing (approximate)</th>
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<tbody>
<tr>
<td>Gen Users Feedback Meeting</td>
<td>January 30</td>
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<tr>
<td>User Group Meetings</td>
<td>March 02</td>
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<tr>
<td>XML/Browserless Documentation Available</td>
<td>Week of February 27</td>
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<tr>
<td>Sandbox Release – XML/Browserless</td>
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<td>Sandbox Release - UI</td>
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<tr>
<td>Coordinated Testing</td>
<td>March 17</td>
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<td>Production Release</td>
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