eDART Roadmap

As of January 23, 2018
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
  - Reactive Test Results Tickets
  - GO Survey

  (IRC)

  Used to verify if enough reserve MW available.
Background – eDART Applications

- **Used to view updates made to Object IDs.**

- **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 record and schedule line, transformer, phase shifters, series and flow devices temperature apparent power ratings.**

- **Used to update facility clearing times data used in dynamic studies.**

- **Used to practice and coordinate restoration of service in PJM area after a blackout.**
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
2018 eDART Roadmap (Tentative)

<table>
<thead>
<tr>
<th>Event</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
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<tbody>
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<td>eDART Refresh</td>
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<td>Voltage Schedule</td>
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<td>Network Model Enhancements</td>
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Legend
- Start Date
- End Date
• Release Date: Wednesday January 31st, 2018

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<thead>
<tr>
<th>Area</th>
<th>Impact</th>
<th>Action Required</th>
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<tbody>
<tr>
<td>PJM eDART Users</td>
<td>eDART (internal &amp; external) will experience a 2-3 hour outage</td>
<td>None – This release will only effect internal eDART users. Members will not experience any changes.</td>
</tr>
</tbody>
</table>
• Release Date: Wednesday March 21st, 2018

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<thead>
<tr>
<th>Area</th>
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<tr>
<td>eDART XML Browserless</td>
<td>eDART (internal &amp; external) will experience an 8 hour outage</td>
<td>Changes to eDART XML Downloads &amp; Uploads will be communicated at the eDART XML Users Group Meeting &amp; Documentation will be updated: <a href="http://pjm.com/pub/etools/edart/xmldocs/xmldoc.html">http://pjm.com/pub/etools/edart/xmldocs/xmldoc.html</a></td>
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<tr>
<td>eDART Web</td>
<td>eDART (internal &amp; external) will experience an 8 hour outage</td>
<td>Changes to eDART Web UI will be communicated at the eDART Users Group Meeting</td>
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</tbody>
</table>
Upcoming User Group Meetings

- User Group Meetings
  - Jan 30\textsuperscript{th} – eDART XML User Group Meeting
    - \url{http://pjm.com/committees-and-groups/user-groups/edart-xml-ug.aspx}
  - Jan 31\textsuperscript{st} – eDART User Group Meeting
    - \url{http://pjm.com/committees-and-groups/user-groups/edart-ug.aspx}
Current timeline for Web UI refresh

– 2018

• User Experience Analysis and Design
  – Interested eDART web UI users should contact Chidi.Ofoegbu@pjm.com.
• Requirements gathering
• Work planning (overall project schedule & web UI page sequencing)
• Web UI refresh
• Progress review
<table>
<thead>
<tr>
<th>Design &amp; System Requirements</th>
<th>Jan 2018</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Q3 2018</th>
<th>Q4 2018</th>
<th>Q1 2019</th>
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<td>Development &amp; Testing</td>
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<td>Users Meeting</td>
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<td>Member Training &amp; Rollout</td>
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<td>Go Live / Parallel Production</td>
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**Legend**
- Start Date
- End Date

2017/2018 Roadmap for eDART Browserless Refresh
User Experience Analysis for the eDART Refresh is ongoing.

Users of the eDART browserless interface interested in providing feedback should contact Chidi.Ofoegbu@pjm.com.

Meeting will be scheduled in January 2018 to discuss replacement service for browserless interface.