eDART Roadmap

As of Aug 7, 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 capture unit data and determine critical load in system restoration plans.

- 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

- (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
## 2017 eDART Roadmap

<table>
<thead>
<tr>
<th>Feature</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>eDART Refresh</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRC Rewrite Phase 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GO Survey Enhancements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reactive Testing Results Browserless Enhancements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blackstart Enhancements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage Schedule</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Timeline

<table>
<thead>
<tr>
<th>Month</th>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr</td>
<td>eDART Refresh</td>
<td></td>
</tr>
<tr>
<td>May</td>
<td>RRC Rewrite Phase 2</td>
<td></td>
</tr>
<tr>
<td>Jun</td>
<td>GO Survey Enhancements</td>
<td></td>
</tr>
<tr>
<td>Jul</td>
<td>Reactive Testing Results Browserless Enhancements</td>
<td>May 16</td>
</tr>
<tr>
<td>Aug</td>
<td>Blackstart Enhancements</td>
<td></td>
</tr>
<tr>
<td>Sep</td>
<td>Voltage Schedule</td>
<td></td>
</tr>
<tr>
<td>Oct</td>
<td>eDUG-G Meeting</td>
<td>May 5</td>
</tr>
<tr>
<td>Nov</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend**

- **Start Date**
- **End Date**

**Parallel Operations**

- **Train**: June 13
- **Prod**: July 26

**Upload**

- **Upload**: Sept 27

**Download**

- **Download**: June 26

**User Group Meetings**

- **User Group Meetings**: May 31 & June 1
- **eDUG-G Meeting**: May 16

**Prod**

- **Prod**: Dec 2017

**2018 Enhancement**

**Tech Change Community**

[www.pjm.com](http://www.pjm.com)
Q3 2017 Release

- Release Date: September 27\textsuperscript{th}
- GO Survey Enhancements
  - Q2:
    - MS Excel friendly, tab separated .txt file for download.
    - Ability to save partially completed GO Survey.
  - Q3:
    - CSV upload file for responding to GO Survey
- Blackstart Enhancements to begin development
- Other Q3 enhancements will be discussed in User Group Meetings
Current timeline for Web UI refresh

- 2017
  - User Experience Analysis and Design
  - Interested eDART web UI users should contact Chidi.Ike@pjm.com.
  - Requirements gathering
- 2018
  - User accounts mapping to Account Manager
  - Work planning (overall project schedule & web UI page sequencing)
  - Web UI refresh
  - Progress review
# 2017 & 2018 eDART Browserless Refresh Roadmap

<table>
<thead>
<tr>
<th>Design &amp; System Requirements</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Development &amp; Testing</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Until Sept 2018</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Member Training &amp; Rollout</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Until Jan 2019</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Go Live / Parallel Production</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2019</td>
</tr>
</tbody>
</table>

**Legend**

- **Start Date**
- **End Date**