eDART Roadmap

As of May 24, 2019
<table>
<thead>
<tr>
<th>Action Required</th>
<th>Deadline</th>
<th>Who May Be Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact <a href="mailto:Vy.Le@pjm.com">Vy.Le@pjm.com</a> for eDART Web UI Refresh user experience analysis and design components</td>
<td></td>
<td>eDART Web User Interface Users</td>
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<tr>
<td>Provide feedback regarding refreshed eDART browserless interface by contacting <a href="mailto:Vy.Le@pjm.com">Vy.Le@pjm.com</a></td>
<td></td>
<td>eDART Browserless Users</td>
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• The Account Manager & eDART Company Distributed Workflow functionality will be delayed and not available as planned for the eDART June 26th release.

• PJM has identified integration issues within the CAM process.

• PJM is in the process of assessing the issues and will communicate an updated availability/release date as soon as practical.
Company Distributed Workflow
Company Distributed Workflow (CDW)

- Minimize the need for multiple sub-accounts per company and multiple user accounts per person.
- **Client-Agent Functionality:** Company admins of clients will be able to request agent companies to act on their behalf in eDART.
- **Unit-Task Functionality:** Company admins for Generation companies will be able to split eDART tasks on per unit/per user basis.
Member requested functionality for one company (Agent) to perform eDART functions on behalf of another company (Client).

- Agent users will need only one eDART account under Agent.
- Agent users will be able to perform transmission and generation functions in eDART.
- Agent users will be able to switch Clients within a single session of eDART. (No need to logout, and login.)

This functionality will NOT be available for eDART browserless interaction. (i.e., eDART Web UI only.)
• Client can only have one Agent for either generation or transmission functions in eDART.
• Agent can have multiple Clients.
• Client and Agent Admins can terminate relationship at any time.
• Client and Agent Admins can set up other users to act as delegates.
Member requested functionality to enable the distribution of eDART tasks and/or units to various responsible parties.

- Ability to discretely assign tasks / units per user.
- Once assigned, user visibility restricted to assigned tasks and units.
- eDART tasks include Generation Tickets, Reactive Testing Tickets, GO Survey, IRC, MinGen, Gen Checkout, etc.
Objective
Eliminate PJM - MOC work-arounds* to assist members in fully supporting PJM RC/TOP/BA & RTO requirements as well as the MOC fleet-related Generation Owner responsibilities within the PJM RTO.

* e.g. use of emails for splitting and sending GO Survey information via Excel spreadsheets, and Voltage Schedules.

With this functionality, MOCs can assign individual Generation Owner support staff with discrete eDART tasks & units, or optionally at the fleet and full task level, as needed.
Admin Reports:

- **Unit Focused Report**
  - Units missing assignments at the top
  - All unit assignments

- **User Focused Report**
  - Users with no assigned tasks and units at the top
  - All user assignments
• Tentative Train Release – Q4
  – New browserless functionality
  – More details to follow
    • Refresh team currently working on UI integrations
Product Details
eDART (electronic Dispatcher Application and Reporting Tool) is 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
  - GO Survey

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

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Background – eDART Applications

- **Used to view updates made to Object IDs.**
- **Used by companies to submit changes to the transmission grid.**
- **Used to coordinate the update of system restoration plans.**
- **Used to record and schedule non-generator transmission facility outages.**
- **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**