PJM Roadmap for eDART

As of June 8, 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 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

(IRC)
Used to verify if enough reserve MW available.
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

www.pjm.com
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**Legend**

- **Start Date**
- **End Date**
Q2 2017 Roadmap

- Target Release Date: June 26th
- GO Survey Enhancements
  - MS Excel friendly, tab separated .txt file for download.
  - Ability to save partially completed GO Survey.
    *(CSV upload file for responding to GO Survey moved to Q3).*
- Other Q2 enhancements discussed during user group meetings and available online (see slide 2).

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<tr>
<th>Area</th>
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<td>8 hours</td>
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<tr>
<td>Browserless</td>
<td>Review changes and test in Train.</td>
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• Enhancements:
  – Ability for PJM to initiate New RRC.
  – Ability for Transmission Owners to respond to New RRC; submit reserve values and/or acknowledge reserve values.

• Timeline:
  – Train release: June 1 (browserless), June 13 (user interface).
    • New RRC being issued every other hour and closed after 1 hour.
  – Production release: July (day TBD)
    • New RRC will be issued every time an RRC is issued with the current tool.
Reactive Testing Results Browserless Enhancements

• As discussed during the May 31st eDART XML User Group meeting:
  – No XML Upload developed or planned for the June 26th release, based on member feedback.
  – No CSV Upload options planned for the June 26th release (beyond that of GO Survey).
• Additional details available [online].
Current timeline for JAVA Browserless Interface Migration

- Q2 – Q3 2017
  - Command Line Interface (CLI) design.
  - Stakeholders presentations and feedback.

- Q4 2017
  - Available in Train for testing, training and feedback.

- 2018
  - Parallel Production.
  - Shutdown of JAVA browserless interface; CLI is official browserless interface.
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
  • User accounts mapping to Account Manager
  • Work planning (overall project schedule & web UI page sequencing)

– 2018
  • Web UI refresh
  • Progress review