PJM Roadmap for eDART

As of April 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

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**Background – eDART Applications**

- **IRC**
  - Used to verify if enough reserve MW available.
  - Used to record and schedule:
    - Generator MW Outages
    - Voltage Regulator Outages
    - Governor Outages
    - D-Curve Adjustments
    - Reactive Tests
    - Reactive Test Results Tickets

- **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 verify generation will not over-exceed light load margins.**

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Background – eDART Applications

- Used to record and schedule non-generator transmission facility outages.
- Used to coordinate the update of system restoration plans.
- Used by companies to submit changes to the transmission grid.
- Used to view updates made to Object IDs.
- Used to practice and coordinate restoration of service in PJM area after a blackout.
- 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.
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
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- **eDUG-G Meeting**: May 5
- **Parallel Operations**: Prod: June 28
April 4th Release

• Q1 release was rescheduled from March 30th to April 4th.
• Enhancements discussed during 3/2 user group meetings:
  – eDART User Group presentation
  – eDART XML User Group presentation
• Enhancements include:
  – Periodic GO Survey issued on a monthly or more frequent basic per Manual 14-D, Section 7.3.5.
  – MW Outage Switch Start Business Rule implemented 12/14 extended to include Unplanned Tickets.
    • Switch Start restricted to 1 hour or less before Est. Start.
• Target Release Date: June 28th
• Reactive Reserve Check (RRC) Rewrite Phase 2
  – Ability for PJM to initiate New RRC.
  – Ability for Transmission Owners to respond to New RRC; submit reserve values and/or acknowledge reserve values.
• GO Survey Enhancements
  – .csv download and upload for responding to GO Survey.
  – Ability to save partially completed GO Survey.
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.
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