eDART Roadmap

As of Aug 7, 2017
eDART (electronic Dispatcher Application and Reporting Tool) is
suite of electronic applications used to facilitate dispatcher-to-
dispenser 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

- 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.

- eDART Applications
  - 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
• Release Date: September 20\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
Tentative 2017 Roadmap – eDART Refresh

Current timeline for JAVA Browserless Interface Migration

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

- 2018
  - Available in Train for testing, training and feedback.
  - Parallel Production.
  - Shutdown of JAVA browserless interface; CLI is official browserless interface.
Tentative 2017 Roadmap – eDART Refresh

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