eDART Roadmap

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.
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 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

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**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

### eDART Refresh
- **Start Date**: May 31
- **End Date**: June 1
- **Train**: June 13
- **Parallel Operations**: TBD

### RRC Rewrite Phase 2
- **User Group Meetings**: May 31 & June 1
- **Start Date**: May 31
- **End Date**: June 1
- **Prod**: July 26

### GO Survey Enhancements
- **eDUG-G Meeting**: May 16
- **Start Date**: May 16
- **End Date**: June 26
- **Prod**: June 26

### Reactive Testing Results Browserless Enhancements
- **eDUG-G Meeting**: May 5
- **Start Date**: May 5
- **End Date**: TBD

### Blackstart Enhancements
- **Start Date**: TBD
- **End Date**: TBD

### Voltage Schedule
- **Start Date**: TBD
- **End Date**: TBD

### Legend
- **Start Date**: Green diamond
- **End Date**: Pink diamond

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• 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).
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.
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.
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