



eDART December 2020 Enhancements

eDART XML Forum Meeting
10/06/2020

- December 2020 Enhancements
 - Generation Related Enhancements
- eDART Browserless Refresh Update
- Question and Answer Resolution



December 2020 Enhancements

Generation Related Enhancements

Production release of December enhancements planned for Wednesday, December 16th.

- eDART unavailability will be announced at least 3 business days prior.

Sandbox/Training release planned for Wednesday, December 2nd.

- New business rules to help prevent recent incident where MW outage tickets had over 50k revisions resulting in performance issues.
 - Revisions of Est. Start Date if the ticket is Active will be rejected (i.e. ticket is already started).
 - Reduction revisions equal to the current ticket reduction will be rejected (i.e. no change to the reduction).
- New business rule to prevent no duration tickets: Est./Ramp Start Date cannot equal Est. End Date



eDART Browserless Refresh Update

- Reasons for Refresh:
 - Incorporate Single Sign On functionality
 - Follow PJM enhanced model for Tools
 - Improve PJM-Member communication
- Scope:
 - Refresh of User Interface (UI)
 - Migration of Browserless Interface to PJM Command Line Interface

- Expectations:
 - Extended testing/training in Training environment
 - Multi-year project
 - Minimal changes to current system during refresh
 - Tool rename: eDART to Dart

- Technical refresh to increase supportability of existing system
- Phased approach
 - Phase 1: Transition to PJMCLI
 - Phase 2: Minor enhancements and fixes
- No major functionality changes
 - Goal: Maintain existing functionality

- Current eDART Architecture
 - Two major endpoints
 - One upload:
 - `j2ee/servlet/com.pjm.xml.upload.edart.EDartXMLUpload`
 - One download:
 - `j2ee/servlet/com.pjm.xml.download.edart.EdartXMLDownload`
 - Determined by 'action' parameter
 - Use of 'type' parameter to determine download to perform
 - Use of root element of XML to determine upload

- Phase 1 – Transition to PJMCLI
 - Two major endpoints
 - One upload:
 - `upload/com.pjm.xml.upload.edartEDartXmlUpload`
 - One download:
 - `download/com.pjm.xml.download.edartEDartXmlDownload`
 - Determined by 'action' parameter
 - Use of 'downloadtype' parameter to determine download to perform
 - Use of root element of XML to determine upload

Download with no parameters - TRANSMISSION ZONES

filetransfer method

```
java -jar filetransfer.jar app=edart action=download type=zones username=%USER% password=%PSWD% result="zones-org5-role3.xml"
```

PJM-CLI method

```
java -jar pjcli.jar -d ./download/ -a download/com.pjm.xml.download.edartEDartXmlDownload --httpType POST  
-q downloadtype=zones -u %USER% -p %PSWD% -o "T-zone-GT-RW-avail.xml"
```

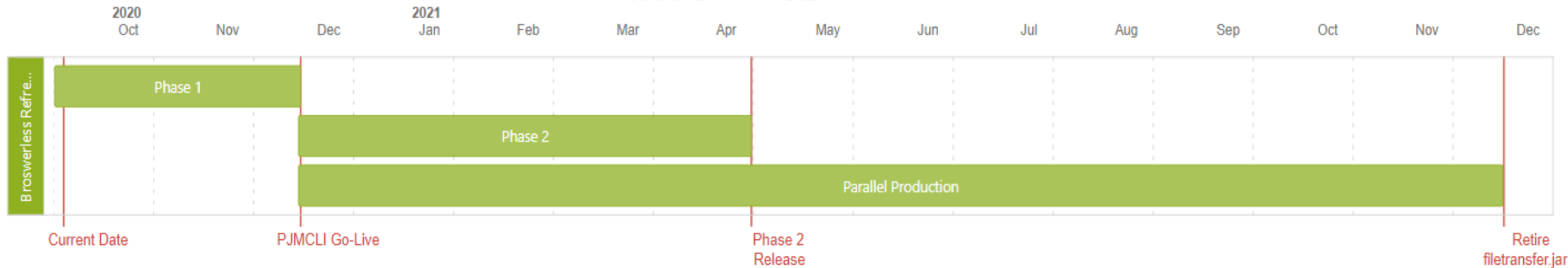
Download with parameters - IRC BY DATE

filetransfer method

```
java -jar filetransfer.jar app=edart action=download type=ircbydate username=%USER% password=%PSWD% start=07/01/2019  
stop=06/01/2020
```

PJM-CLI method

```
java -jar pjcli.jar -d ./download/ -a download/com.pjm.xml.download.edartEDartXmlDownload --httpType POST  
-q downloadtype=ircbydate -u %USER% -p %PSWD% -q start=07/01/2019 -q stop=06/01/2020
```



Key take-away:

- The Phase 1 transition to PJMCLI is expected to be completed in December 2020
- An updated User's Guide will be provided for each phase
- Training will be provided
- The filetransfer.jar and legacy URLs will be retired in December 2021

With the eDART refresh, management of eDART accounts will be migrated to Account Manager.

In preparation for that:

- Use Account Manager User ID for new eDART account requests.
- Update email addresses for existing accounts.
- Clean up dormant and invalid accounts.

eDART Help: edarthelp@pjm.com

Chidi Ofoegbu: Chidi.Ofoegbu@pjm.com

Vy Le: Vy.Le@pjm.com