

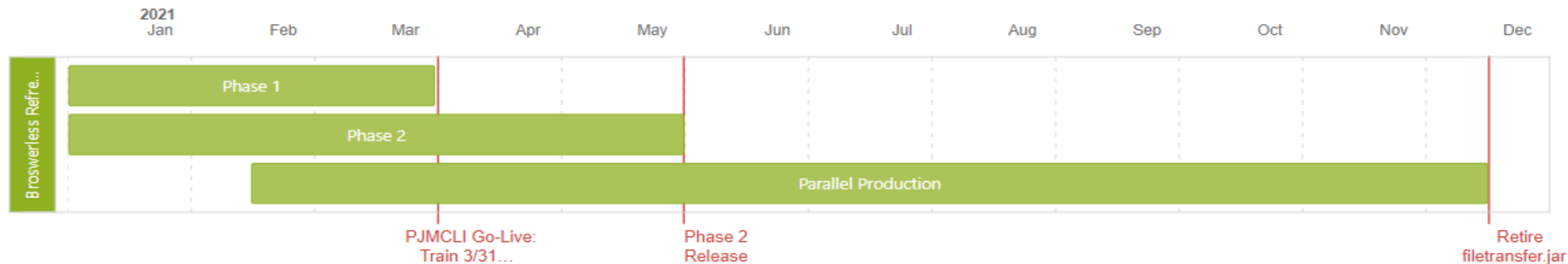


# eDART Enhancements

eDART Forum Meeting  
5/11/2021

- General Discussion Topics
- Upcoming Enhancements
  - Dynamic Line Ratings (DLR)
  - External Files to Zip Format
- Question and Answer

# General Discussion Topics



## Key Take-away:

- The Phase 1 transition to PJM CLI Integration releases:
  - Production: April 14 (**COMPLETE**)
- Phase 2 consists of minor enhancements and fixes
  - Train: May 26
  - Production: June 9
- An updated User Guide with information for Phase 1 is available at: <http://www.pjm.com/pub/etools/edart/xmldocs/dart-browserless-user-guide.pdf>
- The filetransfer.jar and legacy URLs will be retired in December

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.

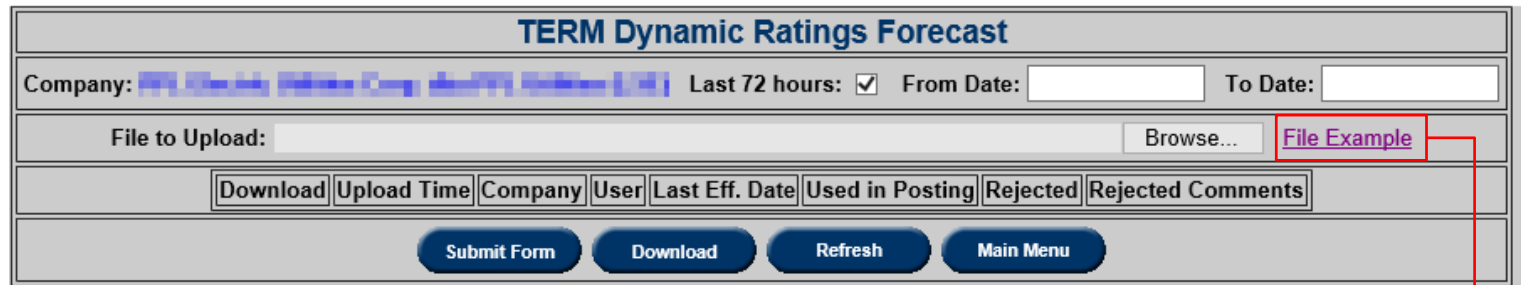
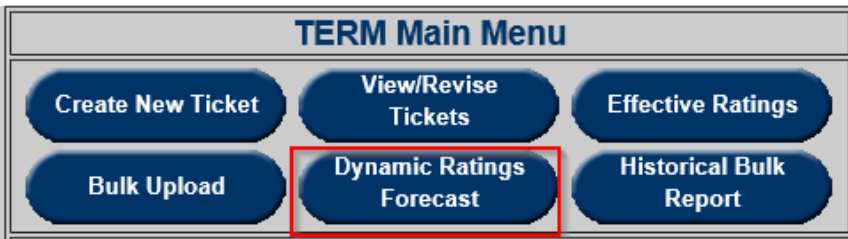
- eDART Advance Summer 2021 Model Build occurred on May 4.
  - Download updated equipment lists in eDART
  - Transmission Tickets can be created or updated with future equipment
  - Equipment List/Complete Descriptions file:  
<https://edart.pjm.com/reports/equiplist.csv> will be updated on Model Build Date; May 18.

# Upcoming Enhancements

- Discussed during the [3/30/2021 OC Special Session](#)
- Enhancements to eDART to handle DLR:
  - Ability for Transmission Owners (TO) with DLRs to upload and download forecasted ratings (CSV format)
  - Files to be added to Ratings Information page on [OASIS](#)
    - Dynamic Ratings Forecast (zip file with latest uploaded forecasted ratings)
    - Historical Ratings (zip files with Ratings, Temporary Ratings and Dynamic Ratings Forecast per company)
- Implementation Timeline: May 27



- Dynamic Ratings Forecast button added to TERM Main Menu
  - Only available to TOs with dynamic equipment.
  - Users can upload CSV files with ratings for up to next 48 hours.
  - Sample file provided.



	A	B	C	D	E	F	G	H	I	J
1	HourEndGMT	Station	Voltage	Equipment	End	Normal	LongTerm	ShortTerm	LoadDump	
2	04/21/2021 19	STATIONA	69 KV	EQUIPMENT X	END A	100	101	102	103	
3										

Indicates if the file has been posted on Ratings page

Provides reason(s) a file was rejected

TERM Dynamic Ratings Forecast							
Company: <a href="#">PJM Electric System Corp. aka PJM, Station</a> Last 72 hours: <input checked="" type="checkbox"/> From Date: <input type="text"/> To Date: <input type="text"/>							
File to Upload: <input type="text"/> Browse... <a href="#">File Example</a>							
Download	Upload Time	Company	User	Last Eff. Date	Used in Posting	Rejected	Rejected Comments
<input type="checkbox"/>	05/10/2021 16:33	<a href="#">PJM Electric System Corp. aka PJM, Station</a>	<a href="#">engine</a>	05/12/2021 18:00	No	Yes	Effective date cannot be more than 49 hours in advance: 05/12/2021 22, <a href="#">STATIONA,69 KV,EQUIPMENT X,END A,2930,3730,3730,3890,</a>
<input type="checkbox"/>	05/10/2021 16:33	<a href="#">PJM Electric System Corp. aka PJM, Station</a>	<a href="#">engine</a>	05/12/2021 14:00	No	Yes	Invalid Equipment: 05/12/2021 22, <a href="#">STATIONA,69 KV,EQUIPMENT X,END A,2930,3730,3730,3890,</a>
<input type="checkbox"/>	05/10/2021 16:31	<a href="#">PJM Electric System Corp. aka PJM, Station</a>	<a href="#">engine</a>	05/12/2021 19:00	No	Yes	Effective date cannot be more than 49 hours in advance: 05/12/2021 23, <a href="#">STATIONA,69 KV,EQUIPMENT X,END A,2930,3730,3730,3890,</a>
<input type="checkbox"/>	05/10/2021 16:02	<a href="#">PJM Electric System Corp. aka PJM, Station</a>	<a href="#">engine</a>	05/12/2021 14:00	Yes	No	
<input type="checkbox"/>	05/10/2021 16:01	<a href="#">PJM Electric System Corp. aka PJM, Station</a>	<a href="#">engine</a>	05/21/2021 15:00	No	Yes	Effective date cannot be more than 49 hours in advance: 05/21/2021 19, <a href="#">STATIONA,69 KV,EQUIPMENT X,END A,2930,3730,3730,3890,</a>
<input type="checkbox"/>	05/10/2021 16:00	<a href="#">PJM Electric System Corp. aka PJM, Station</a>	<a href="#">engine</a>	04/21/2021 15:00	No	Yes	No Current or Future data in the file.
<input type="checkbox"/>	05/10/2021 15:57	<a href="#">PJM Electric System Corp. aka PJM, Station</a>	<a href="#">engine</a>	05/10/2021 14:00	No	Yes	Invalid Equipment: 04/21/2021 19, <a href="#">STATIONA,69 KV,EQUIPMENT X,END A,100,101,102,103,</a>

User can select files to download

- Zip files containing:
  - Ratings: captured every 10 minutes
  - Temporary Ratings: captured every 10 minutes
  - NERC Alert Ratings: captured every 10 minutes
  - Dynamic Ratings Forecast: one per TO, as submitted and available for 48 hours
- 4 zip files to cover 72-96 hours of data:
  - today
  - yesterday
  - 2daysago
  - 3daysago

Name	Type
001_pjm_rating_file_05_05_2021_23_51.zip	Compressed (zipped) Fol...
002_pjm_rating_file_05_05_2021_23_41.zip	Compressed (zipped) Fol...
003_pjm_rating_file_05_05_2021_23_31.zip	Compressed (zipped) Fol...
004_pjm_rating_file_05_05_2021_23_21.zip	Compressed (zipped) Fol...
005_pjm_rating_file_05_05_2021_23_11.zip	Compressed (zipped) Fol...
006_pjm_rating_file_05_05_2021_23_01.zip	Compressed (zipped) Fol...
007_pjm_rating_file_05_05_2021_22_51.zip	Compressed (zipped) Fol...
008_pjm_rating_file_05_05_2021_22_41.zip	Compressed (zipped) Fol...
009_pjm_rating_file_05_05_2021_22_31.zip	Compressed (zipped) Fol...
010_pjm_rating_file_05_05_2021_22_21.zip	Compressed (zipped) Fol...
011_pjm_rating_file_05_05_2021_22_14.zip	Compressed (zipped) Fol...
012_pjm_rating_file_05_05_2021_22_01.zip	Compressed (zipped) Fol...
013_pjm_rating_file_05_05_2021_21_51.zip	Compressed (zipped) Fol...
014_pjm_rating_file_05_05_2021_21_41.zip	Compressed (zipped) Fol...
015_pjm_rating_file_05_05_2021_21_31.zip	Compressed (zipped) Fol...
016_pjm_rating_file_05_05_2021_21_21.zip	Compressed (zipped) Fol...
017_pjm_rating_file_05_05_2021_21_11.zip	Compressed (zipped) Fol...
018_pjm_rating_file_05_05_2021_21_01.zip	Compressed (zipped) Fol...
019_pjm_rating_file_05_05_2021_20_51.zip	Compressed (zipped) Fol...
020_pjm_rating_file_05_05_2021_20_41.zip	Compressed (zipped) Fol...
021_pjm_rating_file_05_05_2021_20_31.zip	Compressed (zipped) Fol...
022_pjm_rating_file_05_05_2021_20_21.zip	Compressed (zipped) Fol...
023_pjm_rating_file_05_05_2021_20_11.zip	Compressed (zipped) Fol...
024_pjm_rating_file_05_05_2021_20_01.zip	Compressed (zipped) Fol...
025_pjm_rating_file_05_05_2021_19_51.zip	Compressed (zipped) Fol...
026_pjm_rating_file_05_05_2021_19_41.zip	Compressed (zipped) Fol...
027_pjm_rating_file_05_05_2021_19_31.zip	Compressed (zipped) Fol...
028_pjm_rating_file_05_05_2021_19_21.zip	Compressed (zipped) Fol...
029_pjm_rating_file_05_05_2021_19_11.zip	Compressed (zipped) Fol...

## Without Dynamic Forecast file

Name	Type
PJM_line_ratings.txt	Text Document
PJM_neratingsalertchanges.txt	Text Document
PJM_temp_line_ratings.txt	Text Document

## With Dynamic Forecast file

Name	Date modified	Size
PJM_line_ratings.txt	5/10/2021 4:41 PM	12,534 KB
PJM_neratingsalertchanges.txt	5/10/2021 4:41 PM	12 KB
PJM_temp_line_ratings.txt	5/10/2021 4:41 PM	12 KB
_forecast_05_10_2021_16_34.csv	5/10/2021 4:41 PM	1 KB

Current State Challenges	Implementation Details
Files were originally designed to be human readable, but have grown in size over the years	The eDART files (.txt and .csv) available on pjm.com will be converted to zip files in July
Automated scraping of large files has caused operational issues in the past	Clicking links will return zip files containing actual .txt and .csv files
Larger file sizes have led to slower and incomplete downloads	File sizes will shrink increasing chances of successful downloads
Download throttling prevents immediate retry on failure	

- Impacted files :
  - [Voltage Limits](#)
  - [Equipment List/Complete Descriptions](#)
  - [Lines Out](#)
  - [Lines Out New](#)
  - [Ratings](#)
  - [Temporary Ratings](#)
  - [NERC Alert Ratings Changes](#)
  - [TERM Reasons List](#)
  - [RTEP Tickets](#)
  - [NERC Alert Lines Out](#)
- Please note that these files are also available to all users in eDART via the Public Files report.



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