



eDART May 2016 Release Enhancements

eDART Users Group Meeting
5/4/2016

- Production
 - Release of May enhancements scheduled for Wednesday, May 25th.
- Sandbox
 - Release of May enhancements scheduled for week of May 2nd.

- May 2016 Enhancements:
 - Capacity Performance Impacts to eDART
 - Owners Report Maintenance Functionality
 - Default Status Switch Tracking
 - Other Enhancements
- Other Discussion Topics
- Question & Answer Resolution Session

- A Hot Weather, Cold Weather or Maximum Generation Alert may require members to update Estimated Early Return in eDART for Planned Outage tickets.

Generator Ticket (Review/Revise)

User ID:	Ticket Number: 299306	Company:	Unit Name:	Est./Ramp Start: 04/19/2018 00:00
Generation Type: Steam			Timestamp: 02/06/2013 09:19	Est. End: 05/01/2018 00:00
Ticket Status: Approved			Est. Early Return: 05/01/2018 00:00	
Company Ticket ID: <input type="text"/>			(MM/DD/YYYY) (HH24:MI)	Actual Start:
				Actual End:

Description	PJM Comments
<input type="text"/>	<input type="text"/>

- When Dispatch implements a 72-hr Maintenance Outage recall, PJM will notify all affected gen owners verbally, and update all maintenance tickets in effect during the recall window with a **Recall Date**.
- If a recalled Maintenance outage is still active after the Recall time, it will be considered a forced outage and a **Forced Date** will be added to the ticket.
- More details covered in May 2 Education session:
<http://www.pjm.com/~media/committees-groups/committees/oc/20160502/20150502-capacity-performance-performance-assessment-hour-education.ashx>

Generator Ticket (Review/Revise)			
User ID:	Ticket Number: 305660	Company:	
Generation Type:	Hydro	Unit Name:	APPLEBES1
Ticket Status:	Complete	Timestamp:	10/01/2015 14:27
Company Ticket ID:	zzss	Recall Date:	10/09/2015 15:00
		Forced Date:	10/09/2015 15:00
		Related Ticket:	299293
Est./Ramp Start:	10/05/2015 12:00	Est. End:	10/10/2015 12:00
		Actual Start:	10/05/2015 12:00
		Actual End:	10/10/2015 12:00
Description	PJM Comments		
test	big comments 1		
MW Ticket Info			

Note: review of the auto-approval rules is ongoing to align with Capacity Performance requirements.

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- New functionality to allow Gen Owners grant other GOs access to view Owners Report of unit outages.



- To grant access, select unit, select company and Submit Form.

Owners Report

Add Unit Name	Add Company
<div style="border: 1px solid gray; padding: 2px;"> APPLES STEAM ▼ </div>	<div style="border: 1px solid gray; padding: 2px;"> GC COMPANY ▼ </div>
<div style="display: flex; justify-content: center; gap: 20px;"> <div style="border: 1px solid red; padding: 5px 15px; background-color: #0056b3; color: white; border-radius: 5px;">Submit Form</div> <div style="padding: 5px 15px; background-color: #0056b3; color: white; border-radius: 5px;">Refresh</div> <div style="padding: 5px 15px; background-color: #0056b3; color: white; border-radius: 5px;">Main Menu</div> </div>	

- To remove access, check Delete as desired and Submit Form.

Owners Report

	Add Unit Name	Add Company	
	▼	▼	
Delete	Unit Name	Company	Eff. date
<input type="checkbox"/>	APPLES STEAM	GC COMPANY	05/03/2016 17:21
<input checked="" type="checkbox"/>	APPLES STEAM	XYZ WINDFARM	05/03/2016 17:20
<div style="display: flex; justify-content: center; gap: 20px;"> <div style="border: 1px solid red; padding: 5px 15px; background-color: #0056b3; color: white; border-radius: 5px;">Submit Form</div> <div style="padding: 5px 15px; background-color: #0056b3; color: white; border-radius: 5px;">Refresh</div> <div style="padding: 5px 15px; background-color: #0056b3; color: white; border-radius: 5px;">Main Menu</div> </div>			

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- New functionality for Transmission Owners to indicate the Default Status of equipment after an outage.
 - Optional field.
 - Available for all outaged equipment by changing the Resulting Default Status field.
 - Equipment can be added to transmission ticket for Default Status change only (equipment is not part of outage).
 - Primary equipment cannot be Default Status Change Only.
 - Default Status updated in eDART at the Ticket End.

- For outaged equipment

Outage Type
Continuous - No Weekends

Availability
30 min.

Type
[Dropdown]

Planned: [Dropdown]

Operational: [Dropdown]

NERC-TADS

Restoration Plan Review Needed
Yes

Station Name [Dropdown]

Voltage [Dropdown]

Equipment Name [Dropdown]

Tier 1
 Tier 2
 Tier 3

Print Version

Date Time Log

History Log

Notifications Log

Cancel Ticket

Duplicate Ticket

View Conflicts

Gen Off Conflicts

Show All TERM

Station Equip.

Submit Form

Refresh

Gen. Outage Lookup

Comments Log

NERC-TADS Reports

Projects

Files

Main Menu

Default Status Change Only	Primary	Status	Include	Type	Station Name	Voltage	Equipment Name	Start Date	Start Hour	End Date	End Hour	Resulting Default Status
No	<input checked="" type="radio"/>	O	Yes	LINE	FISH	138 KV	FISH - WFISH A	06/01/2016	09:00	06/05/2016	09:00	No Change
No	<input type="radio"/>	O	Yes	BRKR	FISH	138 KV	FISH W DIS	06/01/2016	09:00	06/05/2016	09:00	Open
No	<input type="radio"/>	O	Yes	BRKR	WFISH	138 KV	WFISH W DIS	06/01/2016	09:00	06/05/2016	09:00	Closed

→ 'No' for outaged equipment

Select Default Status
'No Change' selected by default.

- For non-outaged equipment:

Select and add equipment

Outage Type
Continuous

Availability
Immediate

Planned:

Operational:

Restoration Plan Review Needed
N/A

Type	Station Name	Voltage	Equipment Name
BRKR	WFISH	138 KV	WFISH W DIS

Tier 1 Tier 2 Tier 3

Default Status Change Only	Primary	Status	Include	Type	Station Name	Voltage	Equipment Name	Start Date	Start Hour	End Date	End Hour	Resulting Default Status
No	<input checked="" type="radio"/>	O	Yes	LINE	FISH	138 KV	FISH - WFISH A	04/29/2016	11:11	04/30/2016	11:11	No Change
Default Status Changes Only												
Yes			Yes	BRKR	FISH	138 KV	FISH W DIS					Closed
Yes			Yes	BRKR	WFISH	138 KV	WFISH W DIS					Open

Set to 'Yes'

Must be Open or Closed

- Default Status Changes:
 - added to Ticket Print Version.
 - only visible to ticket owner (X owner) and PJM.

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- TERM Equip. ID added to the Effective Ratings report.
 - ID used for automated submission of tickets via XML.

Effective Ratings

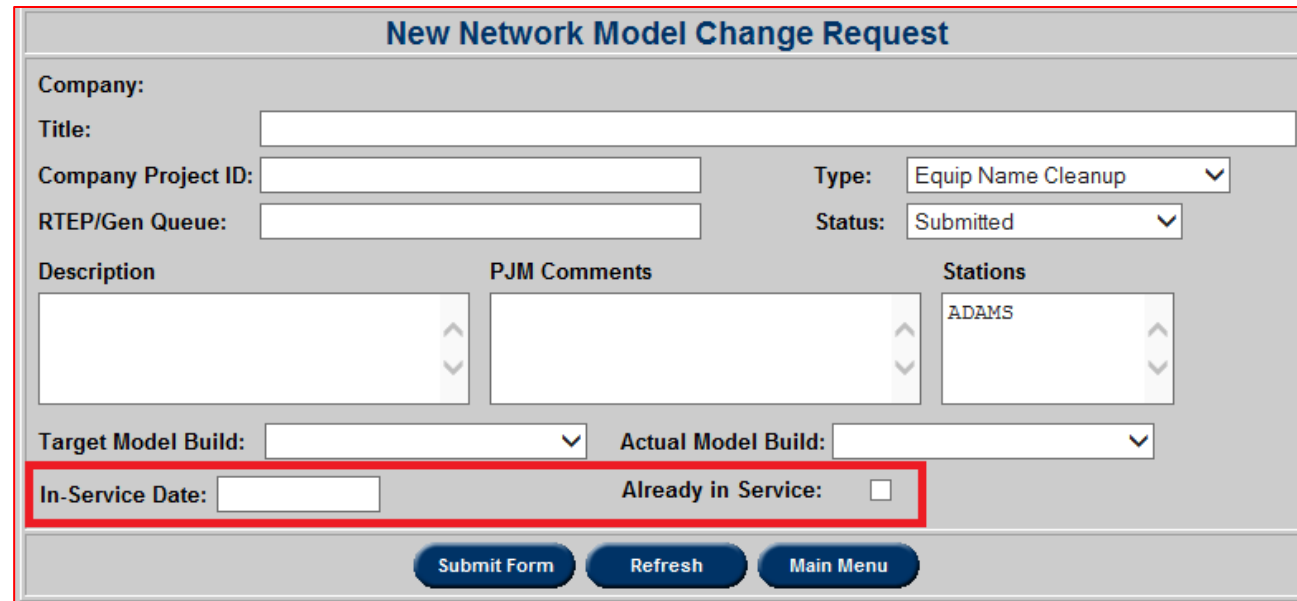
Number of rows in report is limited to 500 rows.

Zone:	PJM								
Type:	LINE								
Station Name:	FISH								
Voltage:	69 KV								
Equip. Name:	FISH-SEAWEED 2								
TERM Equip. ID:	1								
End:	END A								
Impedance R:	0.0002								
Impedance X:	0.002								
Charging B:	0								
Congestion Mgmt. Priority:	Not monitored, no status								

	Normal		Long Term		Short Term		Load Dump	
Temp	Day	Night	Day	Night	Day	Night	Day	Night
95	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0

[Back](#) [Main Menu](#)

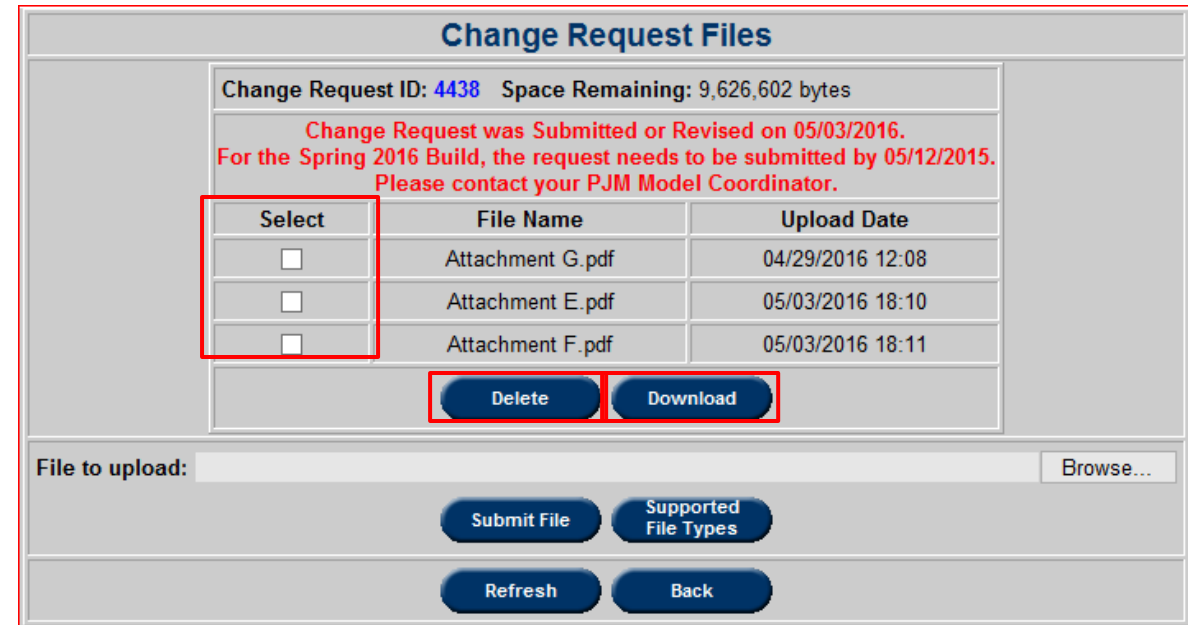
- New In-Service Date field.
 - Mandatory for new request creation.
- New Already in Service checkbox for active projects.
 - Date will be defaulted to date it was checked.



The screenshot shows a web form titled "New Network Model Change Request". The form contains several input fields and dropdown menus. At the bottom, the "In-Service Date" field and the "Already in Service" checkbox are highlighted with a red border. Below the form are three buttons: "Submit Form", "Refresh", and "Main Menu".

New Network Model Change Request		
Company:		
Title: <input type="text"/>		
Company Project ID: <input type="text"/>	Type: Equip Name Cleanup	▼
RTEP/Gen Queue: <input type="text"/>	Status: Submitted	▼
Description	PJM Comments	Stations
<input type="text"/>	<input type="text"/>	ADAMS
Target Model Build: <input type="text"/>	Actual Model Build: <input type="text"/>	▼
In-Service Date: <input type="text"/>	Already in Service: <input type="checkbox"/>	

- Functionality added to download files attached to Network Model Requests.
 - Delete column replaced with Select column.
 - File(s) downloaded in zipped folders.



Change Request Files

Change Request ID: 4438 Space Remaining: 9,626,602 bytes

Change Request was Submitted or Revised on 05/03/2016.
For the Spring 2016 Build, the request needs to be submitted by 05/12/2015.
Please contact your PJM Model Coordinator.

Select	File Name	Upload Date
<input type="checkbox"/>	Attachment G.pdf	04/29/2016 12:08
<input type="checkbox"/>	Attachment E.pdf	05/03/2016 18:10
<input type="checkbox"/>	Attachment F.pdf	05/03/2016 18:11

File to upload:

- In accordance with language in M03, an update has been made to the submit on time rule about ticket date revisions that span multiple months.
- E.g.: Initial on-time ticket dates are 2/29-3/1 and revised ticket dates are 3/28-4/1.
 - Currently, ticket is no longer on time if revised in February.
 - New logic: if revision happens in February, ticket is on-time for anytime in March or April.

- The following business rules are being implemented to improve outage management:
 - Only one Ambient Air ticket per unit allowed at a time.
 - If a negative Ambient Air ticket is already scheduled for a unit, a positive reduction ticket cannot be scheduled for the same time.
 - Positive Ambient Air ticket cannot be adjusted to be a negative Ambient Air ticket or vice versa just by changing the MW reduction
 - Positive Ambient Air ticket must be unplanned.
 - Negative Ambient Air ticket must be maintenance.

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- After the summer model build, CB ratings listed on the OASIS System Information page will be loaded into eDART.
 - Staggered implementation by TO.
 - Approximately 1500 elements to monitor.
 - Double modelled low impedance devices will be bypassed.
- Looking for additional CB ratings for Fall build.
 - Breaker and half schemes.
 - Ring buses.
 - Bustie breakers.
 - Transfer buses.

- PJM will screen breaker ratings on a pre and post contingency basis.
 - Non-deterministic flow breakers, like in a fully closed ring bus, will be ignored.
- PJM EMS can screen breaker and branch elements separately.
 - More efficient operations when branches aren't de-rated all the time due to a switch limitation.
- Rating updates will go through same TERM process.
 - New equipment type of 'BRKR'.
 - New flow breaker requests will have to wait until a model build to be added.

- Coordinated Testing in Sandbox needed:
 - Lesson learned from last release.
 - 2 hour conference call sessions to be scheduled.
 - SMEs available to update tickets (lock, approve, activate, recall, etc.), start IRC, etc.
 - Members confirm all functionalities frequently used.

- Dormant accounts are accounts which have not been logged into for the last 12 months.
- Timeline:
 - Currently: notifying Company Account Managers (CAMs) of dormant accounts.
 - 6/20: dormant accounts will be locked.
 - 3/31/2017: dormant accounts revoked.

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