



eDART December 2020 Enhancements

eDART Forum Meeting
10/06/2020

- General Discussion Topics
- December 2020 Enhancements
 - General Enhancements
 - Generation Related Enhancements
 - Transmission Related Enhancements
- Question and Answer Resolution

General Discussion Topics

PJM will issue the annual GO Survey for Seasonal Fuel Inventory and Emissions in eDART. This survey is required for reliable operations planning purposes and enhances PJM's situational awareness in preparation for severe weather.

The 2020 survey is identical to the 2019 survey and past answers will be pre-populated as much as possible. GOs are required to respond to the survey for all applicable generating units, which will be indicated by the GO Survey button in eDART turning red.



Survey Start: **October 19, 2020**

Survey End: **November 20, 2020**

Full instructions will be sent to all companies with applicable units when the survey is released.

Email edartgosurvey@pjm.com with any questions



Key take-away:

- The Phase 1 transition to PJMCLI is expected to be completed in December 2020
- Phase 2 = Minor enhancements and fixes
- An updated User's Guide and training will be provided for each phase
- The filetransfer.jar and legacy URLs will be retired in December 2021

More details available in the 10/06/2020 eDART XML Forum presentation

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.

December 2020 Enhancements

General 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.

Flash will no longer be supported in Chrome beginning in December 2020.

Proposed replacement for the eDART home page animation:

- Static eDART image
- Dashboard showing eDART applications and company actions required.
 - For Agents, Member dashboards will also be displayed.

Currently, eDART checks the text after the first period in a file name to determine the file type and confirm it is an allowed file type for upload.

E.g. 'test.pdf' is identified as a PDF file but 'test.123.pdf' is considered an invalid file type.

Since Windows now allows periods in a file name, eDART will check the last period in a file name to determine the file type.

E.g. 'test.123.pdf' will be identified as a PDF file

Nuclear Bus Voltage Limits

In compliance with NERC standard NUC-001, Nuclear Generation Owners (NGOs), develop Nuclear Plant Interface Requirements (NPIRs)

- NPIRs, in part, define safe shutdown voltage limits

Applicable Transmission entities monitor the transmission system as not to violate the NPIRs

To gain efficiencies for TOs, NGOs, and PJM, Nuclear Bus Voltage Limits will be maintained in eDART

Stand alone application within eDART, limited to NGOs and applicable TOs

- New eDART ticket type: Nuclear Bus Voltage Limit Change
- Current limits and upcoming limit changes will be visible to all applicable entities
- eDART will be the primary input for NPIR voltage limit changes; Manual 3 Attachment C available as backup

Affected entities can remain up-to-date by continuing to engage in individual discussions with PJM and group discussions at the NGO User Group (NGOUG) Meetings.

Details also provided at SOS meetings

Nuclear Bus Voltage Limits contact:
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December 2020 Enhancements

Generation Related Enhancements

- 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



December 2020 Enhancements

Transmission Related
Enhancements

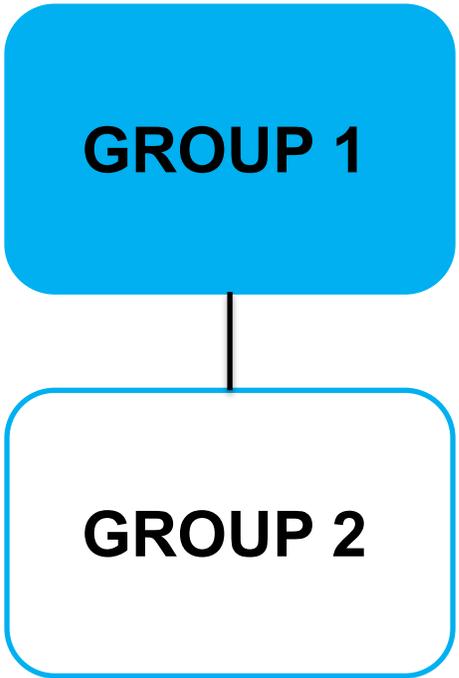
Awareness Only Tickets

- The Status Only designation is applied to facilities which are non-BES and not in Congestion Management but may have impact on reliability or economics of the system.
 - PJM does not maintain ratings/limits on these facilities
 - TOs required to report outages on them but not to call before taking an outage
- eDART does not currently distinguish between equipment monitored priorities on tickets.
 - PJM and TO assume all tickets require the same level of scrutiny/coordination
 - This can lead to delays in switching

GROUP 1

GROUP 2

- eDART Transmission Tickets will be broken into 2 Groups:
 - Group 1:** Permission to Proceed
(Monitored Priority 1, 2, 6, 7)
 - Group 2:** Status Only (Monitored Priority 3) and
Not Monitored, No Status (Monitored Priority 0)
 - Group 2 are also known as Awareness Only Transmission Tickets

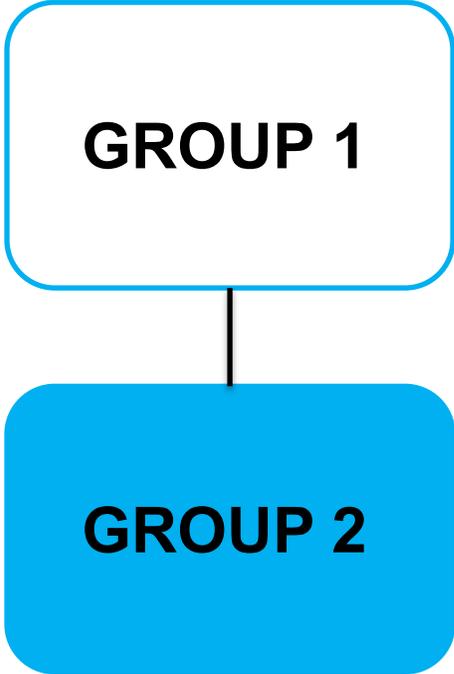
A diagram on the left side of the slide. It consists of two rounded rectangular boxes. The top box is solid blue and contains the text 'GROUP 1'. A vertical line connects the bottom center of this box to the top center of a second box below it. The second box is white with a blue border and contains the text 'GROUP 2'.

GROUP 1

GROUP 2

Group 1: Permission to Proceed (Monitored Priority 1,2,6,7)

- Any equipment that requires coordination
- Congestion or Cut-In Flag is checked
- Equipment in active System Impact Note
- Equipment in active Conflict Scenario
- Ticket cannot Start/End without a call to PJM
- Tickets will be locked once they are Approved

A diagram on the left side of the slide. It features two rounded rectangular boxes. The top box is white with a blue border and contains the text "GROUP 1". The bottom box is solid blue and contains the text "GROUP 2". A vertical black line connects the bottom center of the "GROUP 1" box to the top center of the "GROUP 2" box.

GROUP 1

GROUP 2

Group 2: Status Only (Monitored Priority 3) and Not Monitored, No Status (Monitored Priority 0)

- If telemetry is available, ticket will auto start/end
 - Otherwise, a call to PJM will be required in order to activate and end the ticket
- Ticket will be Auto-Approved and PJM Comment will be added to that effect
- “Submit On-Time” rules will not be applicable
- Ticket will remain unlocked for editing
 - Members can edit anything on tickets that are Not Activated
 - Members can only change comments and future dates if Active
- Emergency trip tickets will be created for MP3 equipment only

- If a ticket has a mix of Monitored Priority Equipment, eDART will use the highest MP level (Group 1 > Group 2) to determine the correct group.
 - E.g. a ticket with MP2 and MP3 equipment will be regarded as a Permission to Proceed ticket.
- If Monitored Priority for LINE, XFMR, PS and SD cannot be determined, the station voltage MP will be used.
- For other equipment, the most restrictive between the equipment MP and station voltage MP will be used.

Other Transmission Related Enhancements

- New business rule to prevent equipment from having conflicting default status changes for the same date.
 - i.e. no 2 trans tickets ending the same day (per day; not time) should have opposite default status changes for the same equipment.
 - no impact to the equipment status for the outage (open, closed, reactive, etc.)

- eDART Ticket ID(s) will be displayed when the eDART Availability is N in RRC.
 - Ticket ID, Start Date, End Date and Status will be displayed.
- Update to consider Max MVAR of future equipment as 0 if SE MVAR = 0.
 - This is to prevent them being treated as leading reserves.
- 'Pink' discrepancy check to be changed from 'eDART Unavailable and SE MVAR is not 0' to 'eDART Unavailable and SE MW is not 0'.
- Addition of Unit Type Filter to Units/Condenser page.

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