



Performance Assessment Interval Trigger Over ICCP Project

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- ✓ All Call and Emergency Procedures will continue to be the Primary source for communicating Emergency Actions. The Performance Assessment Interval Trigger over ICCP communication is a secondary additional source of communication
- ✓ Project will be implemented by June 1, 2018
- ✓ Members will be required to submit an email with the EMS Unit Names to PJMTelemetrySupport@pjm.com to receive the PAI over ICCP communication. Requests can be submitted starting 3/1/18
- ✓ Member Testing and Training is planned for mid Q2 2018, more details to follow

Performance Assessment Interval Trigger Over ICCP Project

WHAT is a Performance Assessment Interval?

The Real-time Settlement Interval for which an Emergency Action has been declared by PJM. Performance Assessment Intervals are delineated by PJM's declaration of Emergency Actions.
Manual 18 Section 8 *(Requested Effective Date= 2/1/18)

WHERE are Performance Assessment Interval Triggers communicated?

All Call

The Emergency Procedures tool informs PJM members, PJM personnel and other interested parties about emergency events (including the Performance Assessment Interval Triggers)

- In addition to viewing the emergency event information in the Emergency Procedures tool, users may request email and text notification of the events from the Emergency Procedures Tool <http://www.pjm.com/-/media/etools/emerg-procedures/emergency-procedures-email-notification-setup.ashx?la=en>

WHY was the Performance Assessment Interval Trigger Over ICCP project started?

Members requested an additional method of communication of the Performance Assessment Interval Triggers over ICCP
*Emergency Procedures tool will continue to be tool of record for Performance Assessment Interval Triggers

(Steps 1-10 in Sections 2 and 5 of Emergency Procedures Manual 13)

Pre-Emergency Load Management Reduction Action (30, 60 or 120 minute)

Emergency Load Management Reduction Action (30, 60 or 120 minute)

Primary Reserve Warning

Maximum Generation Emergency

Emergency Voluntary Energy Only Demand Response Reductions

Voltage Reduction Warning

Curtailment of Non-Essential Building Load

Deploy All Resources Action

Manual Load Dump Warning

Voltage Reduction Action

Manual Load Dump Action

Warnings

Actions

(Section 5.7 of Emergency Procedures Manual 13)

Load Shed Directive

- Updates to ICCP/DNP PI Displays may be made by the members to indicate units impacted by the Performance Assessment Interval Triggers for station operators
- Members will be required to provide confirmation to Opt Into receiving PAI messages over ICCP or DNP
 - Members to email PJMTelemetrySupport@pjm.com
 - Email to include the EMS Unit Name
 - Request window opens 3/1/18- 4/1/18

EXAMPLE

Emergency Procedure Message: Maximum Generation Emergency Action

Date and Time: 4/21/15 18:45

Region: FE-PN (Transmission Zone PA- Former GPU: Penelec (FirstEnergy; FE-East) [MIDATL]

TOOLS for COMMUNICATION

- All Call Issued (**Record of Data**)
- Emergency Procedure (**Record of Data**)
 - Maximum Generation Emergency Action Issued in Emergency Procedures Tool
 - Email and text notifications may be set up
- PAI over ICCP Communication
 - Indicator sent via ICCP to units in the FE-PN zone
 - Members to update PI displays for operators to view impacted units
- PJM Now App
 - Alerts may be set up for Emergency Procedure Messages

