Proposed changes to M14D, Generator Operational Requirements for review at the October/November/December PJM Committees

Proposed changes in M14D due to revised NERC Standard VAR-002-3, effective 10/1/14

VAR-002-3, applicable to GOP & GO (not applicable to PJM but M14D has certain requirements that are comparable to those in VAR-002-3)

Revised requirements that effect M14D (revisions bolded)

R3. Each Generator Operator shall notify its associated Transmission Operator of a status change on the AVR, power system stabilizer, or alternative voltage controlling device within 30 minutes of the change. If the status has been restored within 30 minutes of such change, then the Generator Operator is not required to notify the Transmission Operator of the status change.

R4. Each Generator Operator shall notify its associated Transmission Operator within 30 minutes of becoming aware of a change in reactive capability due to factors other than a status change described in Requirement R3. If the capability has been restored within 30 minutes of the Generator Operator becoming aware of such change, then the Generator Operator is not required to notify the Transmission Operator of the change in reactive capability.

PJM Actions:

The current version of M14D (Revision 29), Sections 7.1.2 & 7.3.4 refer to the requirements to notify PJM within 30 minutes of any change in status of reactive capability, AVR or PSS. These sections do not include the new “no requirement to notify” clause which gives the GOP/GO some time to see if the problem is short term or will go beyond 30 minutes. The current manual language will be revised as per the red text below to include this new “no requirement to notify” clause. However, note that as per Section 7.1.2 of M14D, “For modeling accuracy the provision of telemetered AVR and PSS status points by Generator Operators to PJM is preferred.”

These revisions will be presented to the OC as “first read” on 11/6, the MRC on 11/20, second read at the OC on 12/3 and to the MRC for endorsement on 12/18.

Section 7.1.2:

The Generator must notify PJM and the Local Control Center with as much lead-time as possible prior to performing all voltage regulator and power system stabilizer maintenance. Notifications of unplanned outages on automatic voltage regulators (AVR) and/or power system stabilizers (PSS) must be communicated to PJM and the Local Control Center as soon as possible but no later than within 30 minutes of the occurrence. If the status of the AVR or PSS has been returned to normal within 30 minutes of such change, then the Generator Operator is not required to notify PJM and the Local Control Center.
For modeling accuracy the provision of telemetered AVR and PSS status points by Generator Operators to PJM is preferred.

Section 7.3.4:

The Generator Operator shall notify PJM as soon as practical, but within 30 minutes of any temporary unit performance issues, including reactive capability derates or status or capability change on any generator Reactive Power resource, such as the status of each automatic voltage regulator and power system stabilizer and the expected duration of the change in status or capability and a status or capability change on any other Reactive Power resources under the Generator Operator’s control and the expected duration of the change in status or capability. If the unit’s reactive capability or status of the AVR or PSS status has been returned to normal within 30 minutes of such change, then the Generator Operator is not required to notify PJM and the Local Control Center. Separate notifications and eDART tickets are required for each automatic voltage regulator outage and each power system stabilizer outage.