

AVR STATUS COMMUNICATION DURING START-UP VAR-002

November 2010 SOS meeting

- **Concern:** What are the communication requirements for AVR status during unit start-up.
- **VAR-002 Requirements**
 - **R1.** The Generator Operator shall operate each generator connected to the interconnected transmission system in the automatic voltage control mode (automatic voltage regulator in service and controlling voltage) unless the Generator Operator has notified the Transmission Operator.
 - **R3.** Each Generator Operator shall notify its associated Transmission Operator as soon as practical, but within 30 minutes of any of the following:
 - **R3.1.** A status or capability change on any generator Reactive Power resource, including the status of each automatic voltage regulator and power system stabilizer and the expected duration of the change in status or capability.
 - **R3.2.** 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.
- **M14D Proposal:**
 - Generators may elect to operate their AVR in manual mode during startup and synchronization until minimum load is achieved in order to ensure the overall unit stability (or based upon other physical equipment limitations) during initial startup and low load operations, however, Generation Owners must notify PJM dispatch if their AVR is anticipated to be in manual for more than 30 minutes.