

Manual 3 Transmission Operations Updates

PJM Stakeholder Meetings
September 2011

- Overall Changes
 - General
 - Formatting and General Maintenance
 - ATSI Integration Clean-Up
 - Duke (DEOK) Integration
 - New Attachment F (Short Term Emergency Ratings)
 - Replaced Power System Coordination, Transmission, and Interconnection Coordination Departments with Operations Planning, Model Management, and Data Management Departments

- **Section 1.3 Transmission Operating Guidelines**
 - PJM Transmission Owners shall notify PJM dispatch within 15 minutes when their T.O. analysis packages are unavailable (TOP-004-2 R4).
 - This replaces previous language of notification if packages are unavailable for more than 10 minutes.

- Section 2.1.1 Facility Ratings
 - Clarification for use of LTE and STE ratings: PJM systems expect Normal (continuous), Emergency (Long term and short term emergency are set equal unless specifically approved otherwise) and Load Dump limits.
- Section 2.1.3 Exhibit 1
 - Eliminate table references to LTE and STE and replaced with Emergency.
 - Modify table headers and clarify language
 - Modify Note #2 to describe use of STE by exception and to be included in a new Appendix F
 - Eliminate Note #3

- Section 3.3.3 Generator Voltage Schedules
 - Updated the following language for consistency with Manual 14D.
 - Generation Owners shall communicate concerns regarding Transmission Owner voltage schedule/bandwidth or PJM Default Voltage Schedule/Bandwidth to PJM for resolution. There are no exemption criteria from either following a voltage/reactive schedule **with the AVR in service controlling voltage.**

- Section 3.9 Stability Limits
 - Update exhibit 5 with DEOK voltage schedules.

- No updates to this section.

- Voltage Control at Nuclear Stations
 - Revised North Anna nuclear station voltage limits in Nuclear Voltage Limits table to appropriate voltage limits.

- AE
 - No changes
- AEP
 - Revised Smith Mountain Stability Limits due to new Penhook – Westlake 138kV line.
- AP
 - Removed Doubs Transformer operating procedure due to recent upgrades.
- BGE
 - Added Brandon Shores – Riverside SPS operating procedure.
- Dayton
 - No changes

- **DEOK**
 - Added all operating procedures for Duke (DEOK) integration.

- **Duquesne**
 - Added new procedure for Arsenal – Brunot Island 345kV Cable and Forced Cooled Ratings.

- **First Energy**
 - Clarification under Homer City Stability Limit. Changed Homer City #1 and #1 Transformer reference to Homer City North Auto and South Auto Transformer, respectively.
 - Seneca Stability revision due to Glade-Forest-Lewis Run line re-configuration

- **PEPCO**
 - Revised the table of Common Trench Cable Ratings to reflect the line name and rating change for Benning - Ritchie 23002 line (was Benning - Oak Grove).

- **DVP**
 - Updated to classify different temperature settings as part of the overall SPS at Carolina line 22 and 54 .

- **PECO**
 - Limerick Transformer Ratings (???)

- **PPL**
 - No updates to this section.

- **PS**
 - Update of Waldwick Microprocessor rating operation and elimination of Attachment A.

- **UGI**
 - Updated contingency name for “Operation of 23030 Tie at Mountain” Procedure

- **CE**

- Powerton/Joliet Trip Scheme: added new scheme
- SPOG 2-41: Renamed Grand Ridge from SPS to Load Rejection Scheme
- SPOG 1-3-A: Updated current guidelines
- SPOGs 1-3-B, SPOG 1-3-B-1: Updated scenarios for Powerton trip and additional guidance for high Top Crop WF output during outage of L0302 & L93505
- SPOG 1-3-J: Added Multi-phase fault unit trip scheme for stability
- SPOG 2-29: Corrected bus-tie name
- SPOG 2-39: Minor clarifications
- SPOG 3-27: Added additional detail
- SPOG 3-31: Added additional detail
- SPOG 3-32: Contingency triggering SPS revised. Additional detail added

- Removed references to Waldwick microprocessor ratings operation already covered under section 5 update.
- Replaced with listing of Special Protection Schemes.

- Added 3 Duke sectionalizing schemes
- Revised Burches Hill Automatic Sectionalizing Schemes for the PEPCO Transmission Zone due to upgrades
- Corrected the title of Benning 230/69kV T9 Sectionalized (was duplicate T8) for the PEPCO Transmission Zone
- General clean up of AP and AEP section

- **New Attachment F**
 - Added to the manual to capture STE ratings by exception. Currently only CE has provided STE ratings.