Manual 03: Transmission Operations Updates

PJM Stakeholder Meetings
April/May 2013
Semi-Annual Review and Publication

Committee Approval Plan

- Review at SOS, OC, PC, and MIC in April & May
- Request MRC approval on May 30, 2013
  - Effective date of June 1, 2013
Sections 1-5:

- Changed Bulk Electric System (BES) facilities to SOL wherever applicable to reflect SOL definition in M-37.

Section 3: Voltage & Stability Operating Guidelines

- Section 3.3.1: Reformatted voltage limit table.
- Section 3.3.3: Modified Note #4 voltage coordination language.
- Exhibit 5: Updated AE & DPL 500 kV voltage limits.
Section 3

Section 3.8:
- Added new ComEd interface to the list.
- Updated the Cleveland interface definition due to reconfiguration.

Section 3.9: Added Transient Stability Assessment (TSA) tool for real-time use for detecting stability issues.
Section 4: Reportable Transmission Facility Outages

- **Section 4.2.1:** Clarified language for Transmission Outage Request requirements.
- **Section 4.2.2:** Added additional Notes on relay change notification and PJM actions.
- **Section 4.2.4:** Updated language for GO Protection System Coordination.
Section 5: RTO Operations

- Removed Transmission Overuse (re: 5018 Line Flow) procedure.
- Added 5018 Branchburg – Ramapo PAR Coordination.
- Updated the PSE&G/ConED Wheel procedure.
Section 5: RTO Operations

- Revised Byron #1 and #2 voltage limits.
- Revised Beaver Valley 345 kV and 138 kV voltage limits.
- Updated Table of Contents and Hyperlinks.
Section 5: AE

- Removed the Corson – Union 1402 Directional Rating
- Removed Carlls Corner CT #2 SPS from Section 5 and Attachment A.
Section 5: AEP

- Updated Kammer Op Procedures to Rev. 9.
- Updated Single Breaker De-rate Table for Kammer T100 Transformer.
- Removed Sunnyside-Torrey operating procedure
- Removed Marysville 765kV Reactor Guidelines
Section 5: AEP

- Removed AEP Tanners Creek 345kV Station concern
- Updated Gavin-Mountaineer-Rolling Hills Stability operating procedure
- Added, removed, and updated several AEP Regional Procedures
Section 5: BGE

- Updated Single Breaker Limit Table for Waugh Chapel 230-1, 230-2, 230-3 transformers.
- Extracted Harbor Crossing Cables (2344 & 2345 circuits) Special Ratings from BGE common trench cable section and updated the ratings.
Section 5: BGE

- Added Westport-Center 110552 ratings to Common Trench Cable Table.
- Removed Green Street-Concord St. 110559 and 110562 ratings from Common Trench Cable Table.
Section 5: BGE

- Updated Concord St.-Monument St. 110563 & 110564 Rating in the Common Trench Cable Table.
- Updated Single Breaker Limits Table for Pumphrey-Wagner 115032 line.
- Added a Note for Single Breaker Limit Table for Conastone-Peach Bottom 5012 line.
Section 5: ComEd

- Updated the Lee Country Byron Trip Scheme Tables.
- Revised/reformatted the Powerton/Joliet SPS.
- Updated Elmhurst SVC Control Modes.
- Updated Kincaid Stability Procedure.
- Updated Powerton Stability procedure.
Section 5: ComEd

- Updated Quad Cities Limitations procedure.
- Updated East Frankfort Transformer SPS procedure.
- Updated University Park SPS procedure.
- Updated Lakeview SPS procedure.
Section 5: ComEd

- Updated the ComEd Normally Open Bus Tie Circuit Breakers table.
- Updated Electric Junction – North Aurora 1106 line SPS procedure.
- Removed Powerton Jct-1352 line from directional rating list.
Section 5: Dominion

- Removed footnote from the Bath County stability restriction table.
- Replaced the Mt. Storm Single Breaker Derate section with a hyperlink to OASIS page containing document “Dominion Single Breaker Ratings”
Section 5: FirstEnergy

- Revised wording for East Sayre-North Waverly over current relay protection scheme.
- Section 5: Revised Warren-Falconer over current relay protection scheme.
- Revised single breaker derates for the Doubs-Pleasant View line.
Section 5: PEPCO

- Added Ft. Slocum-Takoma 69054 & 69167 to Common Trench Cable Rating Table.
- Removed Doubs-Dickerson line contingency procedure.
- Updated Buzzard Point - Ritchie 23016 common trench cable rating table.
Section 5: PPL
- Updated the Montour Runback SPS.

Section 5: PSEG
- Removed the Branchburg 1-2 and 2-3 CB single breaker de-rate on the 5016 line.
- Added Marion 1-4 138 kV CB to the Closing Normally Open Bus Section breakers.
Attachment A: SPS Listing

- Removed Mays Chapel from SPS listing.
- Added Carolina “22” SPS to Listing.
- Removed MISO owned Lakeview SPS from listing.
- Removed Carlls Corner CT #2 SPS
Attachment D: *Post Contingency Congestion Management Program*
- Removed several ComEd facilities from the list.

Attachment E: *Automatic Sectionalizing Schemes*
- Removed minor note for PPL and UGI schemes.
- Removed two DEOK schemes at Red Bank.
Liem Hoang  
Transmission Operations  
hoangl@pjm.com  
610-666-8289