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<th>Effective Date</th>
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<td>Conforming Order(s):</td>
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<td>Associated Issue Tracking Title:</td>
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| Committee Approval Path - What committee(s) have already seen these changes? | SOS – 4/5/17  
OC – 4/11/17 |
| MRC 1st read date: | 4/27/17 |
| MRC voting date: | 5/25/17 |
| Impacted Manual sections: | All sections: 1-5 and attachments |
| Reason for change: | Bi-Annual Review |

**Summary of the changes:**

- Cover to cover periodic review. Changed formatting, updated references. Updated terminology for Constraint Logger, SmartLog, etc.

- Section 1.3: Added contingency verification step to the modeling issue investigation process.
• Section 1.5.6: Added note to indicate PJM EMS has the capability to monitor flow on devices such as circuit breakers (Flow Device). Transmission Owners can submit device/circuit breaker ratings following the same process as other facilities.

• Section 3.3, Exhibit 3, and Exhibit 5: Updated section and combined exhibits with new tables for PJM Baseline Voltage Limits and Transmission Owners’ Voltage Limits.

• Section 3.3.3: Moved Generator Voltage Schedules from Section 3.3.3 to new Section 3.11.

• Section 3.5.3: Updated Bulk Electric System Capacitors Operation at Erie South, Four Mile and West Wharton.

• Section 3.8: Changed one Eastern interface definition line from TMI-Hosensack to Lauschtown-Hosensack. Reformatted interface definition table to “from-to” format.

• Section 3.12: Added new section Reactive Reserve Check (RRC). Previously located in Manual-14D.

• Section 4.1: Added paragraph highlighting need for Transmission Owners to enter outages for transmission equipment owned by Generation Owners.

• Section 4.2.2: Updated the relay outage an degradation reporting criteria. Changed note text from “Hotline” to “automatic reclosing”.

• Section 4.2.6: Revised Peak Period Outage Scheduling Guidelines to add clarity on denial under certain projected conditions.

• Section 5: Update procedure types throughout in various procedure table listings.

• Section 5: Updated the NPIR voltage limit table.

• Section 5: Replaced PS/ConEd Wheel procedure with NY/NJ PAR Coordination procedure.

• Section 5: Updated reference for MISO Pleasant Prairie – Zion E.C procedure.

• Section 5: Updated the ComEd Quad Cities / Cordova procedure.

• Section 5 and Attachment A: Removed the ComEd Byron/Lee County operating procedure and SPS due to upgrades.
- Section 5: Remove Single breaker de-rate section for BC, DOM, DLCO, DEOK, FE-South, PPL, and PS.

- Section 5: Updated AEP Smith Mountain 138 kV Station Stability.

- Section 5: Updated AEP Conesville 345 kV Plant Operating Guidelines.

- Section 5: Updated AEP Cook Unit Isolation on Select Circuits.

- Section 5 and Attachment A: Added new Dominion North Hampton Remedial Action Scheme procedure.

- Section 5: Updated UGI Mountain 23030 Bus Tie Operation procedure.

- Section 5: Updated the PECO Peach Bottom Transformer RAS/SPS procedure.

- Section 5: Updated the BGE Calvert Cliffs procedure.

- Section 5: Updated the DLCO Crescent 345/138 transformer relief procedure by removing a single breaker derate reference.

- Section 5: Added the FE East West Wharton SVC procedure.

- Section 5: Added the FE East Erie South SVC procedure.

- Section 5 and Attachment A: Removed the BGE Concord Street RAS/SPS procedure due to retirement on 5/31/17.

- Section 5 and Table of Contents: Renamed the PSEG Bergen Overdutied Breaker procedure (previously Bergen Normally Open Equipment procedure) and edited procedure for clarity.

- Section 5: Reformatted tables in PE Limerick 4A and 4B 500/230 kV Transformer Banks procedure.

- Section 5: Changed projected retirement date for BGE Mt. Washington RAS/SPS procedure from June 2018 to December 2018. Section 5: Updated reference title for Bath County – Valley Stability RAS/SPS.

- Section 5 and Attachment A: Removed the PPL Jenkins SPS procedure due to retirement.
• Section 5: Updated AEP Tidd 138 kV Switchyard Operating Guidelines for over duty circuit breakers.

• Section 5: Added PPL Susquehanna CB switching procedure.

• Section 5: Added PPL Martins Creek stability procedure.

• Section 5: Updated name to PPL Northeast PA (NEPA) Stability Limit.

• Attachment E: Updated the list of sectionalizing schemes by removing schemes no longer needed due to upgrades. Added new sectionalizing schemes in Dominion with effective dates of 7/27/17.

• Attachment E: Updated UGI Mountain #2 230/66 kV Transformer sectionalizing scheme to refer to new Mountain-Stanton 230kV line

• Section 5: PPL - Updated Lackawanna-Mountain in the NEPA tables to Lackawanna – Stanton 2 and updated Lackawanna-Stanton to Lackawanna-Stanton 1

• Section 5: PPL - Added table for Transmission Outage with impact to Sunbury Combined Cycle unit in the NEPA section.