Manual	Description	Current Revision	Effective Date	Last 60 days	Next 60 days
M01	Control Center Requirements **[m01]** presents requirements for control centers of signatories to the Operating Agreement of PJM. The manual describes the telecommunication linkages to the PJM OI and recommended characteristics of these control center computer systems and the facilities housing these systems. It also summaries the computer services and systems at the PJM Control Center, the standards for billing quality MWH meters, and meter accuracy standards.	**18**	**24-Jan-11**	Published 1/24/2011 • Added reference to Manual 40 in section 2.6 • Revision to 2.7 – changed 2 hours to 1 hour (EOP-008) • Revisions to 4.2.4 for 3 part communications	Future - Potential changes to add details / clarity for TO matrix; Providing clarity on what TOs must have real-time Security Analysis
M03	Transmission Operations **[m03]** discusses specific transmission conditions and procedures for the management of Transmission Facilities within the PJM Control Area.	**37**	**18-Jun-10**		Throughout – Formatting changes to tables to meet with current PJM style set; Replaced references to "Conectiv" with "PHI – Pepco Holdings, Inc." or "AE-PHI" where appropriate; Replaced references to "Orange" with "Maliszewski" wherever the reference was to the former "Orange" 765/138kV substation within AEP. Section 2, end – Revised wording for Exhibit 1 PJM Actual Overload Thermal Operating Policy table from a Guideline to a Policy and revised text within said table to correspond with Load Shed Determination Procedure. Section 3.3.3 – Clarified the Voltage Schedule and Bandwith rows as being 'kV' values within the Generator Voltage Schedules table. Section 3.9 – Revised UGI's 69kV voltage limits within Exhibit 1: Bus and Zone Specific Variations to PJM Base Line Voltage Limits to appropriate voltage limits for their 66kV network. Added entries for ATSI and CPP for upcoming integration, effective 6/1/2011. Section 4.2 – Inserted subsection 4.2.6 Peak Period Outage Scheduling Guidelines. To accommodate, former subsections 4.2.6 through 4.2.12 all advanced by one and are now 4.2.7 through 4.2.13. Section 5 – Multiple revisions Attachment B – Open Circuit Terminal Voltage Control table updated to reflect present PJM EHV lines. Attachment E – Added Automatic Sectionalizing Schemes for the PPL & UGI Transmission Zone which are effective as of March 1, 2011. Exhibits – Added wording to indicate the Juniata PLC trip for high voltage is currently off within Exhibit 4: Capacitor Installations with PLCs.
M03a	Energy Management System Model Updates and Quality Assurance **[m3a]** These documents are the primary source for specific requirements and implementation details	**6**	**24-Jan-11**	Published 1/24/2011 Section 2.2: Added physical location of substation equipment to list of data to be submitted to PJM Appendix A: Temporary ratings process added Appendix C: Added discussion on modeling and monitoring very low impedance equipment	
M10	Pre-Scheduling Operations **[m10]** describes PJM and PJM Member pre-scheduling activities that set the stage for the scheduling and dispatching phases of the PJM Control Area Operation.	**25**	**1-Jan-10**		N/A
M11	Scheduling Operations **[m11]** provides information on the day ahead and hourly scheduling activities that are performed by the PJM OI and PJM Members. The manual describes the rules and procedures for scheduling resources.	**45**	**23-Jun-10**		N/A

Manual	Description	Current Revision	Effective Date	Last 60 days	Next 60 days
M12	Dispatching Operations **[m12]** describes activities that occur in the real-time operation of the PJM and PJM Western Region and also the PJM Energy Market. The Manual describes how the PJM OI dispatchers manage Capacity Resources and monitor transmission facilities. It also describes how the PJM OI provides Ancillary Services.	21	1-Oct-10		Future - Publish requirements for Frequency Only Reg Signal/Testing requirements
M13	Emergency Operations **[m13]** focuses on how the PJM and the PJM Members are expected to respond to emergency conditions. Emergency conditions include: an abnormal electrical system condition requiring manual or automatic action, a fuel shortage, or a condition that requires implementation of emergency procedures as defined in the PJM Manuals.	42	24-Jan-11	Published 1/24/2011 Section 2.2 – updated 2011 DASR %to 7.11%	
M14D	Generator Operational Requirements **[m14d]** focuses on the generator markets and operations requirements for generating entities to connect to the PJM system and their responsibilities as signatories to the Operating Agreement of the PJM Interconnection.	19	1-Oct-10		Attachment C: reworded Voice/All Call request form; 7.1.2 AVR; 6.3.3 Test Energy restated; Telemetered status for Voltage Regulators - plan for March 2011 committees
M21	Rules and Procedures for Determination of Generating Capability **[m21]** "Green Book" provides uniformity for planning, operating, accounting and reporting purposes.signatories to the Operating Agreement of the PJM Interconnection.	9	1-May-10		N/A
M36	System Restoration **[m36]** System Restoration is one of a series of manuals within the PJM Energy Market Set of Manuals that focuses on how PJM and the PJM Member Companies will respond to system disturbance conditions and/or system blackout situations.	13	1-Nov-10		Incorporate ATSI Restoration plan and PJM Transmission owner updates
M37	**Reliability Coordination [m37]**focuses on PJM authority, responsibility and duties as Reliability Coordinator and how PJM Members are expected to respond. The manual discusses requirements to monitor facilities, how PJM defines and monitors System Operating Limits (SOL) and an Interconnected Reliability Operating Limit (IROL), implementation of Transmission Loading Relief (TLR) procedures, and PJM's coordination efforts with neighboring Reliability Coordinators.	6	1-Jan-10		N/A
M38	**Operations Planning [m38]** focuses on the PJM processes of coordinating seasonal assessments, the reporting, analyzing and approving generation and transmission outages, and coordinating the analysis results with PJM members and external Reliability Coordinators.	4	1-Jan-10		N/A
M39	**Nuclear Interface Manual [m39]**	2	7-Sep-10		N/A
M40	**Certification and Training Requirements [m40]**	10	23-Jun-10		N/A
M41	**Interchange**	3	24-Nov-08		N/A