

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 summarizes the computer services and systems at the PJM Control Center, the standards for billing quality MWH meters, and meter accuracy standards.	17	1-Jan-10	Annual Review	Potential changes to add details / clarity for TO matrix
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	Annual Review Updates to sections on relay maintenance to provide additional clarity Changes to Section 5.	CIP Review
M03a	Energy Management System Model Updates and Quality Assurance [m3a] These documents are the primary source for specific requirements and implementation details	5	3-May-10	Appendix A 'TERM Processing' was revised as follows: - Re-named 'Processing Ratings in TERM'. - An explanation of new TERM Bulk Upload capability scheduled for implementation 2Q10 was included. Appendix C 'Bulk Electric System (BES) Implementation' revised as follows: - Added special modeling discussion to the Electrical Models section. - Minor edits to improve readability.	BES Definition revision
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	Change to Manual M-11 to eliminate the need for a verbal phone call from PJM to the asset owner confirming Tier 2 assignments.	N/A
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.	20	5-Oct-09	IRC & Blackstart Changes	Annual Review / Proposed Regulation language changes / Wind Changes
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.	39	1-Jan-10	<ul style="list-style-type: none"> • Updated diagram in Exhibit 1 (Emergency Levels) • Updated language in Load management (Section 5) to match language in Section 2 • Updated table in Attachment E • Updated table in Attachment F • Completed 2010 Annual Review of the EOP manual <ul style="list-style-type: none"> o Section 2 Capacity Emergencies, page 27, Step 7A (Real-Time): Voltage Reduction o Section 2.4.2: Minimum Generation Alert, page 32 updated text box: <ul style="list-style-type: none"> o Updated 6.1 Reporting System Disturbances to the Department of Energy, page 79 o Updated 6.4 Fuel Limitation Reporting, page 81 o All UDS entries changed to SCED. o All Scheduling Coordinator entries changed to Master Coordinator. o All PJM CA entries changed to PJM RTO. 	• Wind procedures (mirror tariff language & M12 language) ; update revise attachment C

Manual	Description	Current Revision	Effective Date	Last 60 days	Next 60 days
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.	18	1-Jun-10	<ul style="list-style-type: none"> Revised Attachment D, E, and F to remove redundancy and reorder. Modified Attachment E to change requirement to submit completed PJM Leading and/or Lagging Test Form R to PJM within 30 calendar days after completion of the testing (changed from 10 days). 	<ul style="list-style-type: none"> Wind communication model
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.	12	1-Jan-10	Annual Review upcoming	Annual Review changes / RC updates - section 3.1.9 / added USFL table / updated table 1 / updated attachment F
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]	1	1-Apr	NPIR updates	N/A
M40	Certification and Training Requirements [m40]	10	23-Jun-10	Annual Review of Manual; Adding additional detail to Section 1.4 Compliance Monitoring of Certification Adding additional clarity to Section 2.6 Training Requirements for DR Resources Supplying Regulation or Synchronized Reserve; New Section 2.7 Training Requirements for Storage Resouces Supplying Regulation or Synchronized Reserve. Miscellaneous clarifying changes to Section 4	N/A
M41	Interchange	3	24-Nov-08	Update sections for NAESB changes	N/A