

Other Manual Updates

May 18th, 2023 IPS

Mojtaba Hoshmand
Sr. Engineer, Interconnection
Planning Analysis



Manuals updated as result of process reform

- Manual 2: Transmission Service Request
 - PJM Regional Transmission and Energy Scheduling Practices
- Manual 6: Financial Transmission Rights
- Manual 14B: PJM Region Transmission Planning Process
- Manual 14C: Interconnection Facilities & Network Upgrade Construction
- Manual 18: PJM Capacity Market
- Manual 20: PJM Resource Adequacy Analysis
- Manual 21: Rules and Procedures for Determination of Generating Capability
- Manual 21A: Determination of Accredited UCAP Using Effective Load Carrying Capability Analysis
- Manual 27: Open Access Transmission Tariff Accounting
- Manual 28: Operating Agreement Accounting

- References: Administrative change to correct outdated manual names and add Manual 14H.
- Using this Manual: Added 'note' explaining queue reform Transition Date.
- Section 1.3.2: Updated terminology, OATT references and process steps.
- Section 1.5: Updated terminology and made changes for clarity.
- Section 3 (introduction): Updated terminology and details of the deliverability study process for Long Term Firm requests. Updated Exhibit 4.
- Section 3.1: Administrative change to correct grammar. Updated terminology.
- Section 3.3: Administrative updates to manual references. Clarifying changes to transmission service product applicability.
- Section 3.4: Administrative change to correct grammar.
- Section 3.5: Updated terminology and manual references.
- Section 3.6: Updated terminology, process steps and OATT reference.



Change to PJM Regional Transmission and Energy Scheduling Practices

- Definitions
 - Added definitions for Application and Studies Agreement and Phase I System Impact Study in accordance with IPRTF
 - Removed definition for Firm Transmission Feasibility Study in accordance with IPRTF
- Section 1
 - Section 1.2 – Updated to reflect changes due to the IPRTF process
 - Section 1.2.3 – Updated to reflect changes due to the IPRTF process

- Section 4.9.1
 - Updated section title to Transmission Interconnection and Upgrade Customer IARRs
 - Replaced Interconnection Customer with Transmission Project Developer or Upgrade Customer
 - Replaced new generation interconnection and Merchant Transmission Expansion projects with New Service Requests or Upgrade Requests
 - Clarified existing language



Changes to Manual 14B: PJM Region Transmission Planning Process

- Introduction: Revised terminology to align with new tariff language, updated references
- Section 1A.3.1.1: Updated terminology
- Section 1.1: Updated terminology/references
- Section 1.4.1.6: Updated terminology/references
- Section 1.4.2.3: Updated terminology
- Section 1.4.3: Updated terminology
- Section 2.1.1.1: Updated terminology/references
- Section 2.1.2: Updated terminology
- Section 2.2: Updated terminology, revised note to clarify potential impact of generation retirements
- Section 2.3.1: Updated terminology
- Section 2.3.3: Updated terminology
- Section 2.4: Updated terminology/references, streamlined language
- Section 2.5: Updated reference



Changes to Manual 14B: PJM Region Transmission Planning Process (Cont.)

- Section 2.9: Format and terminology correction
- Attachment A, A.1: Updated reference
- Attachment A, A.2: Updated reference
- Attachment B, B.3: Updated terminology
- Attachment B, B.4: Updated terminology
- Attachment C, C.2.6: Updated terminology
- Attachment C, C.3.1.3: Updated terminology throughout, removed statement referencing serial queue process in step 2, and revised statement on commercial probability to align with IPRTF material in step 5a
- Attachment C, C.4: Updated terminology
- Attachment G, G.1: Updated terminology
- Attachment G, G.2.1: Updated terminology/references
- Attachment G, G.2.2: Updated terminology and stability language to align with current process



Changes to Manual 14B: PJM Region Transmission Planning Process (Cont.)

- Attachment G, G.3: Updated terminology
- Attachment G, G.3.1: Updated terminology/references
- Attachment G, G.3.2: Updated terminology/references and stability language to align with current process
- Attachment G, G.5: Updated terminology/references, and removed section G.5.1 – Wind Project Final Impact Study Data
- Attachment G, G.7: Updated reference
- Attachment G, G.9.1: Updated terminology and added reference to Transmission Owner Planning Criteria
- Attachment G, G.9.4: Addition of ComEd transient voltage recovery criteria
- Attachment H, H.1.2: Updated terminology
- Attachment H, H.1.4: Updated terminology
- Attachment H, H.1.5: Updated terminology



Changes to Manual 14C: Interconnection Facilities, and Network Upgrade Construction

- Manual name change to Interconnection Facilities, and Network Upgrade Construction
- All Sections of this manual were reviewed and updated to incorporate the new interconnection process changes and terminology filed in Docket ER22-2110-000. Process diagrams were updated to reflect the new process terminology, or deleted if outdated.
- Introduction
 - Definition of Transition Date for the new interconnection process
- Section 1
 - The Summary of Agreements section distinguishes between those agreements applicable prior to the Transition Date, and agreements applicable prior to the Transition Date.
 - Minor clarifying changes made to the descriptions of agreements applicable prior to the Transition Date. New definitions provided for the new agreements applicable prior to the Transition Date.
 - References to the Tariff form for the related interconnection related agreements have been added.

- Interconnection Process Reform Task Force nomenclature updates
- Section 4.2.3: Updated terminology for IPRTF updates
- Section 4.2.4: Updated terminology for IPRTF updates
- Section 4.5: Updated terminology for IPRTF updates
- Section 4.8.2: Updated terminology for IPRTF updates
- Section 4.8.5: Updated terminology for IPRTF updates
- Section 4.10: Updated terminology for IPRTF updates
- Section 5.4.7: Updated terminology for IPRTF updates
- Section 6.1: Updated terminology for IPRTF updates
- Section 6.1.2: Updated terminology for IPRTF updates
- Section 8.8: Updated terminology for IPRTF updates
- Section 11.4.6: Updated terminology for IPRTF updates



Changes to Manual 20: PJM Resource Adequacy Analysis

- Manual ownership changed from Thomas Falin to Andrew Gledhill
- A general note was added to the Introduction section to describe how the new changes impact existing customers' ISAs.
- Section 4.3 #13 – Reference to ISA is updated to Generation Interconnection Agreement (GIA).



Changes to Manual 21: Rules and Procedures for Determination of Generating Capability

- Manual ownership changed from Thomas Falin to Andrew Gledhill
- A general note was added to the Introduction section to describe how the new changes impact existing customers' ISAs.
- Reference to ISA updated to GIA in Sections 1.1, 1.1.1, 1.1.5, 1.1.6, 1.1.7, 1.3.1, 1.3.5, and Appendix B
- Section 1.1.2 – Reference to delivery year updated to base case study year and reference to System Impact Study cycle added.
- Section 2.1 – Reference to Feasibility Study Agreement updated to Phase 1 System Impact Study



Changes to Manual 21A: Determination of Accredited UCAP Using Effective Load Carrying Capability Analysis

- Manual ownership changed from Thomas Falin to Andrew Gledhill
- A general note was added to the Introduction section to describe how the new changes impact existing customers.
- Section 4.1 – updated references from Interconnection Service Agreement to Generation Interconnection Agreement
- Sections 4.2 and 4.3 – updated to reference the interconnection queue



Changes to Manual 27: Open Access Transmission Tariff Accounting

- Conforming changes associated with ER22-2110-000 (Interconnection Process Reform)
- Section 1.1: clarified planning studies conducted by PJM.



Changes to Manual 28: Operating Agreement Accounting

- Conforming changes associated with ER22-2110-000 (Interconnection Process Reform)
- Section 5.2.6 clarified planning studies conducted by PJM.

Manual Name	SC	IPS	PC/OC/MIC 1st Read	MRC First Read	PC/OC/MIC Endorsement	MRC Endorsement
M14B – PJM Regional Transmission Planning Process	PC	4/25/2023	6/6/2023	6/22/2023	7/11/2023	7/26/2023
M14C – Generation & Transmission Interconnection Facility Construction	PC	4/25/2023	6/6/2023	6/22/2023	7/11/2023	7/26/2023
M2 – Transmission Service Requests	OC	4/25/2023	6/8/2023	6/22/2023	7/13/2023	7/26/2023
M6 – Financial Transmission Rights	MIC	4/25/2023	6/7/2023	6/22/2023	7/12/2023	7/26/2023
M18 – Capacity Market	MIC	4/25/2023	6/7/2023	6/22/2023	7/12/2023	7/26/2023
M20 – Resource Adequacy Analysis	PC	4/25/2023	6/6/2023	6/22/2023	7/11/2023	7/26/2023
M21 – Load Forecasting & Analysis	PC	4/25/2023	6/6/2023	6/22/2023	7/11/2023	7/26/2023
M21A – Determination of Accredited UCAP Using Effective Load Carrying Capability Analysis	PC	4/25/2023	6/6/2023	6/22/2023	7/11/2023	7/26/2023
M27 – Open Access Transmission Tariff Accounting	MIC	4/25/2023	6/7/2023	6/22/2023	7/12/2023	7/26/2023
M28 – Operating Agreement Accounting	MIC	4/25/2023	6/7/2023	6/22/2023	7/12/2023	7/26/2023
Regional Transmission & Energy Scheduling Practices	OC	4/25/2023	6/8/2023	6/22/2023	7/13/2023	7/26/2023

Presenter: Mojtaba Hoshmand
Mojtaba.hoshmand@pjm.com

Manual changes



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com