



# M-36 System Restoration Update

Kevin Hatch  
System Operation Subcommittee  
March 29, 2018



- Annual Update
  - Cover to cover review
  - Minor grammatical changes and clarifications throughout
- Section 6.1.7 Blocking Governors
  - Added clarifying language for “equivalent frequency control systems”
- Section 7.2.1 Synchronizing Process Phases
  - Added clarification around use of synchro-check relays as recommended by PJM Relay Subcommittee

- Section 8.1 – System Restoration Plan Guidelines
  - Updated Exhibit 10 Generation Information Template
  - Clarified that this table is required in TO restoration plan as an Appendix
  - Sec 8.1.8 – clarification on use of synchro-check relay for synchronizing
- Attachment A – Minimum Critical Black Start Requirement
  - Clarification around Note for Critical load units
  - Clarification on dates for Blackstart RFP process
  - Updated fuel storage requirement to 16 hours to match what is in Schedule 6A of OATT
  - Clarifying language added around preference for dual fuel capability in Black Start RFP process

- Attachment F – Transmission Owner and Black Start Supporting Documentation References
  - Annual Update
- Attachment G – Coordination of Restoration Plan Updates
  - Clarifying language around updates to Restoration Plans based on “Cut-In” outage tickets
- Attachment H – Under Frequency Load Shed (UFLS) Tables
  - Annual Update (To be updated by 5/1/18)

- SOS
  - First Read 3/29/18
  - Endorsement 4/26/18
- OC
  - First Read 4/3/18
  - Endorsement 5/1/18
- MRC
  - First Read 4/19/18
  - Endorsement 5/24/18

Manual Effective Date – June 8, 2018