



# Manual 37: Reliability Coordination Revision 21 Updates

Liem Hoang - PJM  
Operating Committee  
February 8, 2024

- Periodic cover to cover review
- Section 3.10 – Removed references to M-03: Section 5 and replaced with M-03B
- Renumbered Section 3.12 (previously 3.2)
- Section 5.1 and Attachment A: Appendix B
  - Added LGE and KU to the Joint Reliability Coordination Agreement
- Attachment A
  - Added TSA and IROL studies for next day operations
  - Appendix B – Removed ITCI

- Changes for NERC FAC-011-4 and FAC-014-3 Standards
  - System Operating Limits Methodology
  - Establish and Communicate System Operating Limits
  - Effective April 1, 2024
  - New Sections added to address requirements
    - Sections 3.1 through 3.11

- NERC FAC-011-4
  - System Operating Limits Methodology for the Operations Horizon
  - Overview
    - RC have documented methodology for establishing SOLs
    - Thermal rating, voltage limits, stability limits, IROL
      - Transient voltage response
    - Contingency events used
    - SOL exceedance
  - [https://www.nerc.com/pa/Stand/Project%20201509%20Establish%20and%20Communicate%20System%20Op/FAC-011-4\\_clean.pdf](https://www.nerc.com/pa/Stand/Project%20201509%20Establish%20and%20Communicate%20System%20Op/FAC-011-4_clean.pdf)

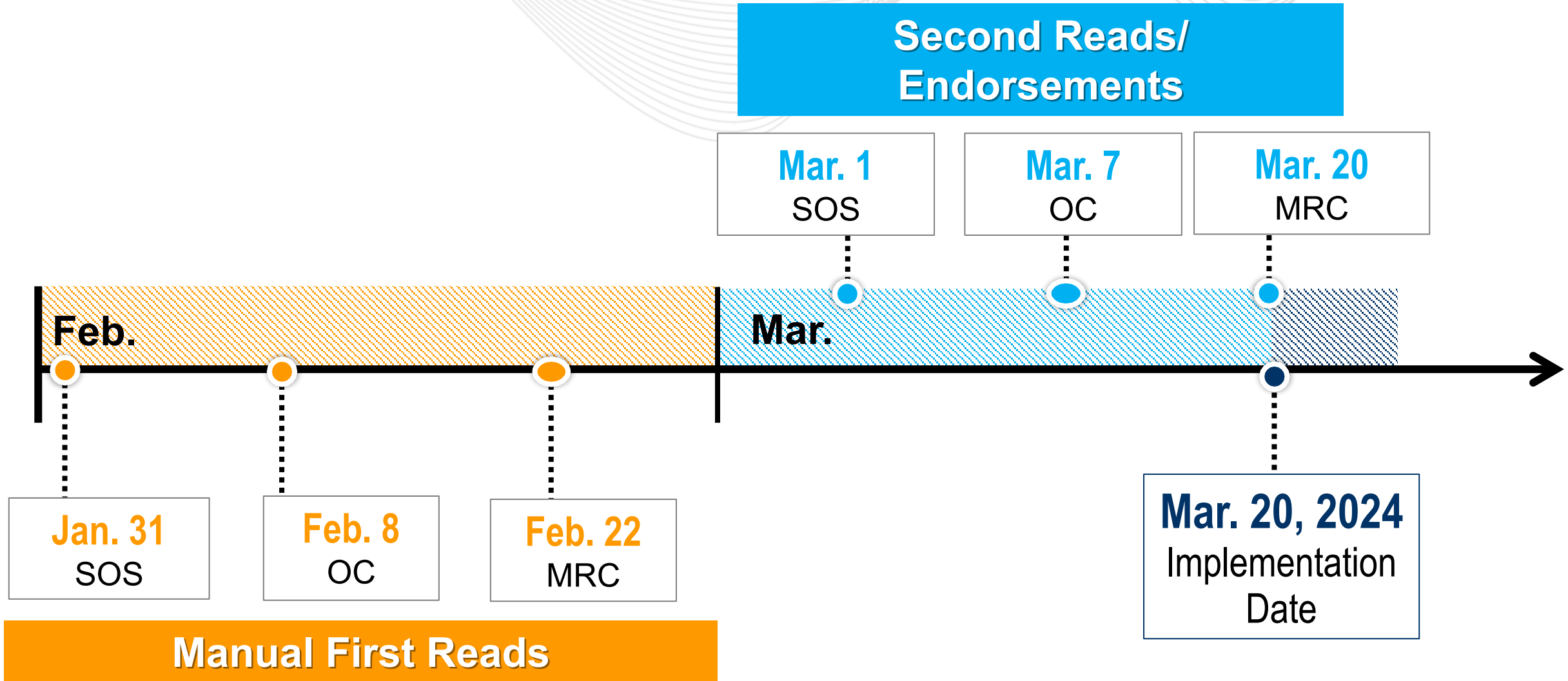
- NERC FAC-014-3
  - RC/PC/TOP Establish and Communicate System Operating Limits
    - Establish and communicate SOLs/IROLs/Stability limits
    - Communicate limits
  - Notify TO/GO of facilities critical to the IROLs (IROL definition and critical contingencies)
  - [https://www.nerc.com/pa/Stand/Project%20201509%20Establish%20and%20Communicate%20System%20Op/FAC-014-3\\_clean.pdf](https://www.nerc.com/pa/Stand/Project%20201509%20Establish%20and%20Communicate%20System%20Op/FAC-014-3_clean.pdf)

- Revised Section 3.1 - PJM SOL Methodology overview
- Added new Section 3.2 - Common Facility Ratings
  - Defined thermal and voltage ratings in used
- Added new Section 3.3 - System Voltage Limits
  - Defined voltage SOL, limit use of undervoltage load shedding (UVLS)
- Added new Section 3.4 – Stability Limits
  - Defined performance criteria, contingencies, model
  - Added transient voltage response (0.7 p.u in 2.5 secs)

- Added 3.5 - SOL Contingency Set for Stability Determination
  - Specified contingency events used in Operations
- Added 3.6 SOL Performance and Exceedance Determination
  - Defined SOL exceedance criteria
- Added 3.7 SOL Exceedance Communication
  - Communication with the respective Transmission Owner
- Added 3.8 IROL Identification and Criteria
  - Outlined PJM IROL methodology

- Added 3.9 SOL Methodology Posting and Sharing Obligations
  - Outlined availability of SOL Methodology (PJM Manuals)
- Added 3.10 Establishing and Communicating System Operating Limits
  - Outlined PJM IROL Analysis procedure (existing procedure)
- Added 3.11 Providing SOLs and IROLs
  - Specified the sharing of Operations Planning Analysis results for SOL, IROL, and stab





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