



PJM Manual 13: Emergency Operations v90 Revision Summary

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NERC issued a Level 3 Cold Weather Preparations for Extreme Events III and distributed to:

- Balancing Authorities
- Generator Owners
- Transmission Operators

The alert includes eight Essential Actions and a series of questions.

- Responses due October 6, 2023
- NERC Alert public posting [link](#)
- [Webinar Presentation](#)
- [FAQ](#)

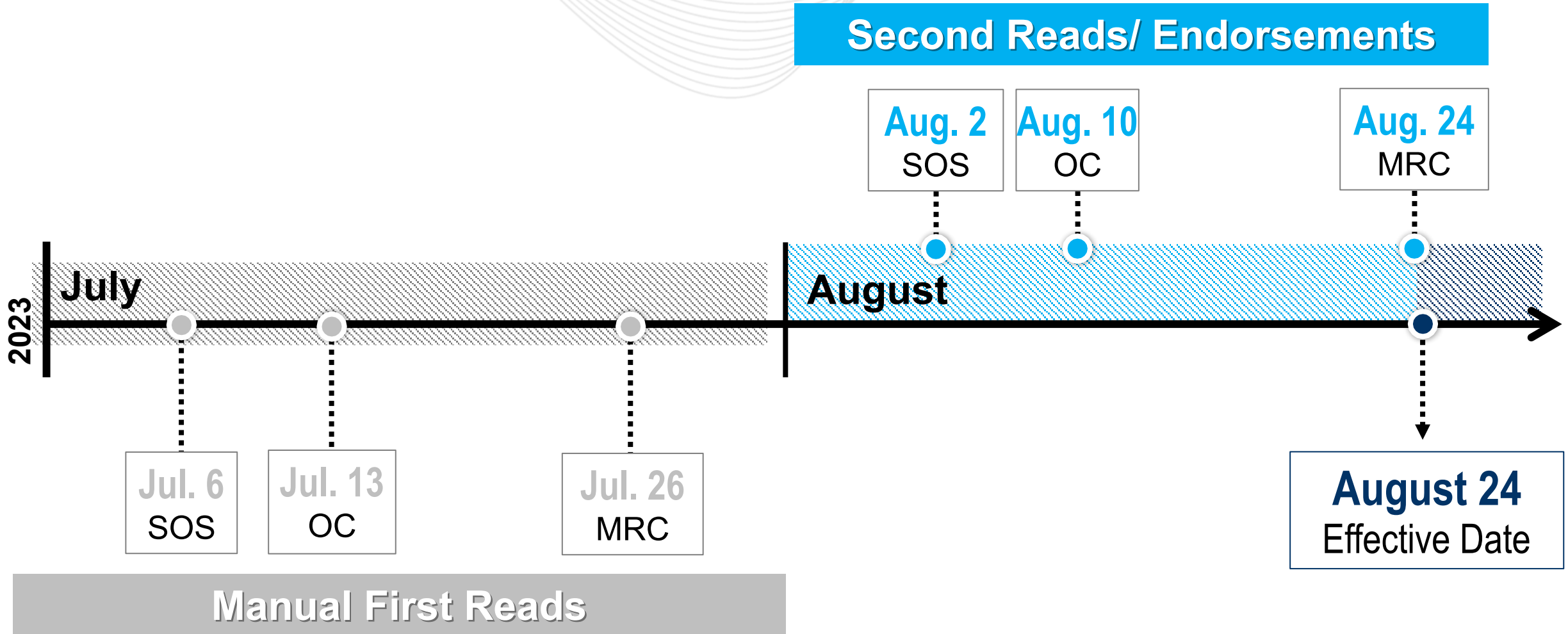
Essential Action #5: Per [EOP-011-3](#), each TOP should update their Operating Plan(s) to include:

- Provisions to minimize the overlap of circuits that are designated for manual load shed and circuits that serve designated critical loads;
- Provisions to minimize the overlap of circuits that are designated for manual load shed and circuits that are utilized for underfrequency load shed (UFLS) or undervoltage load shed (UVLS);
- Provisions for limiting the utilization of UFLS or UVLS circuits for manual load shed to situations where warranted by system conditions; and
- Provisions for manual load shedding capable of being implemented in a timeframe adequate for mitigating the emergency.

- Section 2.3.2 “Real-Time Emergency Procedures (Warnings and Actions)”
 - Added the following to Step 10:
 - The load shed plan must consider/recognize **provisions as documented** in the Note below
 - **Member Load shed plans must recognize:**
 - Provisions to minimize the overlap of circuits that are designated for manual load shed and circuits that serve designated critical loads;
 - Provisions to minimize the overlap of circuits that are designated for manual Load shed and circuits that are utilized for underfrequency load shed (UFLS) or undervoltage load shed (UVLS); and;
 - Provisions for limiting the utilization of UFLS or UVLS circuits for manual Load shed to situations where warranted by system conditions.¹
 - Where footnote “1” is: Underfrequency load shedding circuits should only be used for manual load shed as a last resort and should start with the final stage (lowest frequency).

- Section 5.2 “Transmission Security Emergency Procedures”
 - Added the following to Step 10:
 - The load shed plan must consider/recognize:
 - Provisions to minimize the overlap of circuits that are designated for manual load shed and circuits that serve designated critical loads;
 - Provisions to minimize the overlap of circuits that are designated for manual Load shed and circuits that are utilized for underfrequency load shed (UFLS) or undervoltage load shed (UVLS); and;
 - Provisions for limiting the utilization of UFLS or UVLS circuits for manual Load shed to situations where warranted by system conditions.²
 - Where footnote “2” is: Underfrequency load shedding circuits should only be used for manual load shed as a last resort and should start with the final stage (lowest frequency).

- Attachment F “PJM Manual Load Dump Capability”
 - Added the following to existing note:
 - All Member Load shed plans are to minimize the overlap of circuits that are designated for manual Load shed and circuits that are utilized for UFLS.



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