



Manual 01: Control Center and Data Exchange Requirements – Revision 44

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System Operations Subcommittee
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pjm® Periodic Review

- Additional changes due to NERC Standards:
 - CIP-012
 - COM-001
 - EOP-008



- Minor changes throughout the manual:
 - Removed revision numbers from NERC Standards.
 - Replaced Member with PJM Member where applicable.
- Other changes:
 - Section 1, 1.1: Update eLRS to DR Hub.
 - Section 4: Removed “voice communications” where Interpersonal Communications are mentioned.

Section 2.5.6: Recovery Procedures



Clarified loss of control center functionality procedures and documentation as it relates to EOP-008 and TO/TOP Matrix.

- Also removed reference to EOP-008 R7 from Attachment B.

Section 3.2.1.1: PJMNet Communications System



Clarified the responsible party for protecting all data while in transit, as it relates to CIP-012.

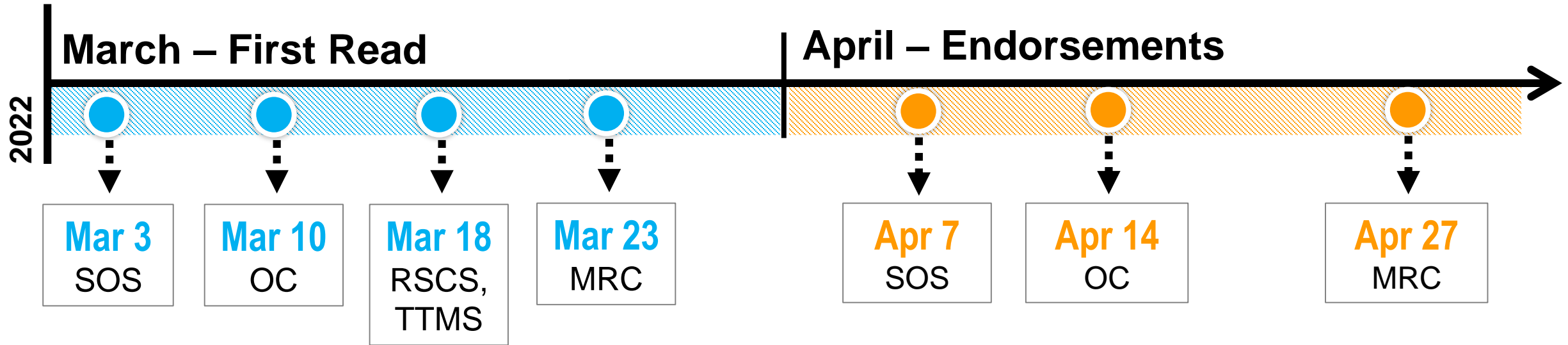
- [...] PJM owns and operationally manages the communication links and endpoint equipment (routers) between PJM and PJM Member companies, otherwise known as “PJMNet”. In this scenario, **PJM is responsible** for protecting all Real-time Assessment and Real-time monitoring data, through PJMNet, while in transit between PJM Control Centers and the PJM owned routers [...]. PJM accomplishes this by ensuring that all PJMNet data [...] **is encrypted**.

Section 4.1.5: Member Communication Requirements



Added additional entities with which Member communications are required, as it relates to COM-001.

- Each Member shall have internal Interpersonal Communication capabilities for the exchange of information necessary for the Reliable Operation of the BES between the Member TO Control Center and field personnel, **each Distribution Provider, Generator Operator, neighboring Member TOs internal to PJM, and neighboring TOs/TOPs external to PJM as applicable.**





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