





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


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EMS Support

Operating Committee
April 14, 2022

Action Required	Deadline	Who May Be Affected
First Read	3/10/2022	All stakeholders
Endorsement	4/14/2022	All stakeholders







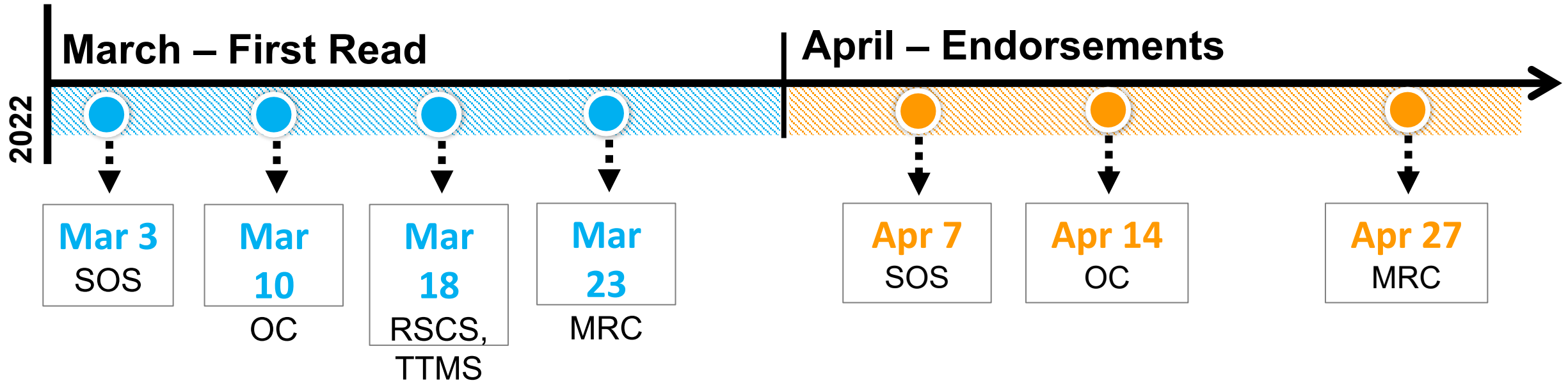
- Periodic Review
- Additional changes due to NERC Standards:
 - CIP-012
 - COM-001
 - EOP-008

- 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.

- 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.

- 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**.

- 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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