



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

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Markets and Reliability Committee
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Action Required	Deadline	Who May Be Affected
MRC First Read	3/23/2022	All stakeholders
MRC Endorsement	4/27/2022	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.



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.



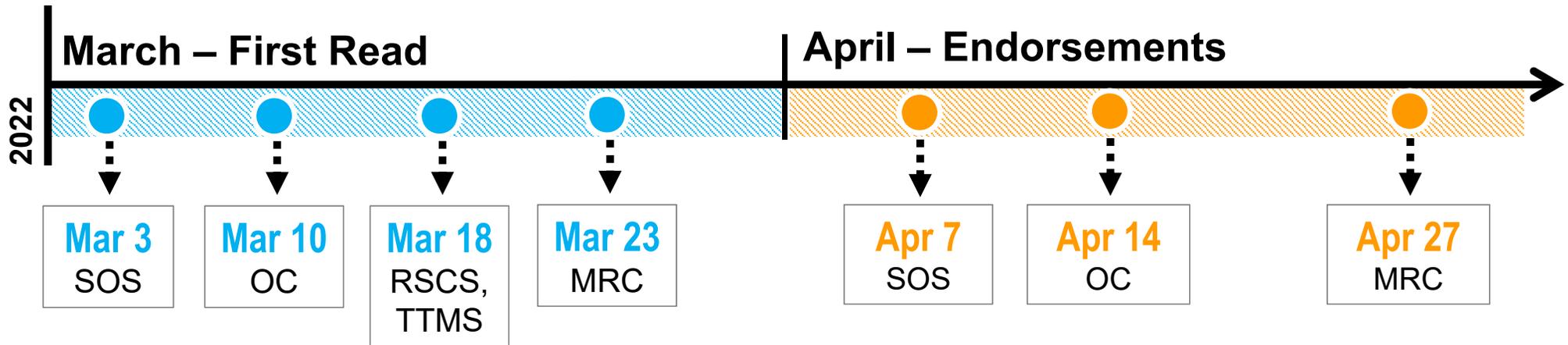
Section 3.2.1.1: PJMNet Communications System

- 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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