



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

Bilge Derin, Sr. Engineer II  
EMS Support

System Operations Subcommittee  
April 7, 2022

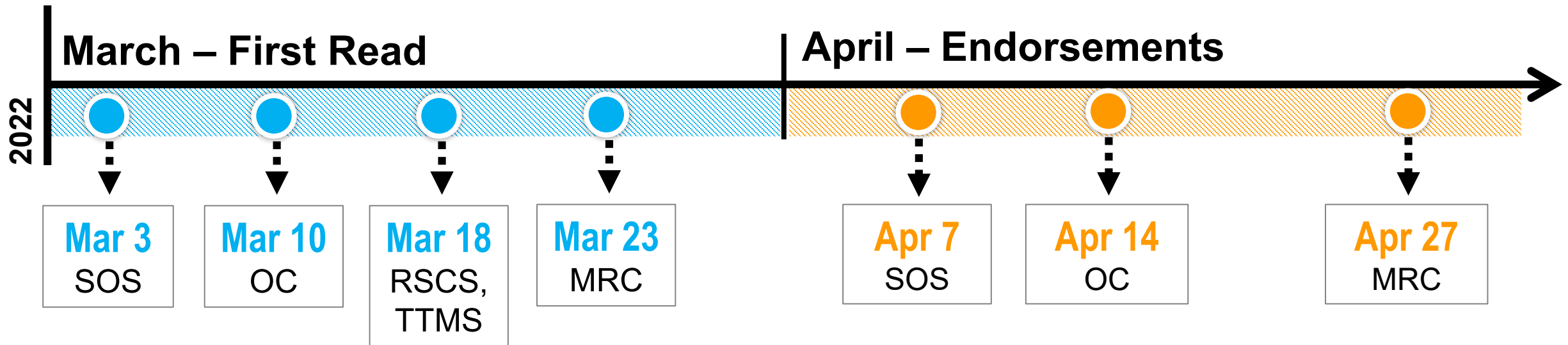
- Periodic Review
- Additional changes due to NERC Standards:
  - CIP-012
  - COM-001
  - EOP-008

- 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.**



Presenter/SME:  
Bilge Derin

[Bilge.Derin@pjm.com](mailto:Bilge.Derin@pjm.com)

610-666-3121

**Manual 01 Revision 44**



**Member Hotline**

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)