

# Manual 01 Revision 40 First Read

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System Operations Subcommittee  
April 4, 2019

- Cover to cover periodic review
  - Minor changes in 5 sections
- 1 New Attachment
- 1 Revised Section with more detailed requirements

- **Section 1: PJM Systems**
  - Renamed eRPM to **Capacity Exchange**.
- **Section 3.2.4: Data Exchange during EMS Datalink Outages**
  - Updated references to the **subsection numbers** in the text.
- **Section 3.8: Planning, Coordinating and Notification of System Changes**
  - Renamed PJM Client Managers to **PJM Member Relations**.
- **Attachment A: Data Specification and Collection**
  - **Removed references** to non-existing documents.
- **Attachment B: Schedule of Data Submittals**
  - Updated references to **EOP-005 with the new version**.

- Reviewed and updated for clarity.
- Added references to the technical guidelines on [pjm.com](http://pjm.com).
- New table added to provide more details on data quality metrics.

Metric Type	Minimum Accuracy	Definition
<b>Link Availability</b>	99.80%	Link availability is defined as the uptime of the TCP/IP connection of the C37.118 stream from the site PDC to PJM SPDC.
<b>Good Quality Data</b>	97.00%	Good quality data is defined by the IEEE C37.118 protocol as a “0x0000” status word per PMU within the stream.

- New attachment on reliability guidelines to mitigate the **unplanned loss of EMS Real Time Assessment Capabilities**.
  - Support staff call-out procedures
  - Notification of RTU and ICCP outages
  - Enhanced Alarming capabilities
  - Communication of Real Time Assessment capabilities.
- Developed by PJM and several members of SOS-T.
- Emphasized that these serve as **guidelines**, not requirements.

- New attachment referenced in 2 sections:
  - Section 2.3.1: Transmission Monitoring Capability
  - Section 2.7: PJM Member Back Up Capability Required to Support PJM in its TOP Role

**Note:**

In addition to the requirements above, it is recommended that PJM and PJM Member Transmission Owners follow the reliability guidelines listed in Attachment E of this manual to minimize the impacts and duration of the loss of Real Time Assessment capabilities.

- **First Read**
  - April 4 – SOS
  - April 9 – OC
  - April 25 – MRC
- **Endorsement**
  - May 2 – SOS
  - May 7 – DMS (informational)
  - May 14 – OC
  - May 30 – MRC
- **Planned Effective Date: May 30, 2019**