# Manual 01: Control Center and Data Exchange Requirements Revision 41 Endorsement

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- Attachment A, Table B: EMS Services

|  | Information Services | Periodicity for providing data | PJM Member Regional Transmission Owner | PJM Member Generating Entity |
|---|---|---|---|---|
| Inputs to PJM | | | | |
| B.3.5 | Frequency | 2-10 seconds or per EMS scan | X | ~~X~~ O |
| B.3.6 | Status of BES Circuit Breakers | Per status change or per integrity scan | X | ~~X~~ 6 |

*O: Optional*

*6: Mandatory if not Attainable from Existing Telemetry*

- Cover to Cover Periodic Review

- Attachment A:
    - Added a list of external entities PJM shares network model information with directly.
    - Added a new column in the data specification tables.
        - "Periodicity for providing the data"
        - Change to comply with TOP-003
    - Removed Row B.5 Black Start Test Data from Table B.
    - Removed Row B.16 AVR/PSS Excitation control output.

- Attachment B:
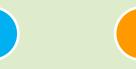  - Removed references to EOP-005-3 R3 and R4, as these are already covered by Manual 36 Attachment G.

**SOS**
First Read
4/13/2020

**MRC**
First Read
4/30/2020

**SOS**
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**Effective Date**
5/28/2020

**OC**
First Read
4/16/2020

**OC**
Endorsement
5/14/2020

**MRC**
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5/28/2020

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