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

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Markets and Reliability Committee
May 28, 2020
## Changes since First Read

- **Attachment A, Table B: EMS Services**

<table>
<thead>
<tr>
<th>Information Services</th>
<th>Periodicity for providing data</th>
<th>PJM Member Regional Transmission Owner</th>
<th>PJM Member Generating Entity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inputs to PJM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>B.3.5</strong> Frequency</td>
<td>2-10 seconds or per EMS scan</td>
<td>X</td>
<td>✗ O</td>
</tr>
<tr>
<td><strong>B.3.6</strong> Status of BES Circuit Breakers</td>
<td>Per status change or per integrity scan</td>
<td>X</td>
<td>✗ 6</td>
</tr>
</tbody>
</table>

**O: Optional**

**6: Mandatory if not Attainable from Existing Telemetry**
Other Changes in this Revision

• 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.
Other Changes in this Revision

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

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

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

**SOS**
Endorsement
5/18/2020

**Effective Date**
5/28/2020

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

**OC**
Endorsement
5/14/2020

**MRC**
Endorsement
5/28/2020