Status of PRC-001-1.1(ii)

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Reliability Compliance
### PRC-001-1.1(ii) – Requirements Retired

<table>
<thead>
<tr>
<th>PRC-001-1.1(ii)</th>
<th>TOP-003-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>R2</td>
<td>R5</td>
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<td>R5</td>
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<td>R6</td>
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• R2. Each Generator Operator and Transmission Operator shall notify reliability entities of relay or equipment failures as follows:
  – R2.1. If a protective relay or equipment failure reduces system reliability, the Generator Operator shall notify its Transmission Operator and Host Balancing Authority. The Generator Operator shall take corrective action as soon as possible.
  – R2.2. If a protective relay or equipment failure reduces system reliability, the Transmission Operator shall notify its Reliability Coordinator and affected Transmission Operators and Balancing Authorities. The Transmission Operator shall take corrective action as soon as possible.
• R5. A Generator Operator or Transmission Operator shall **coordinate changes** in generation, transmission, load or operating conditions **that could require changes in the Protection Systems** of others:
  – R5.1. Each Generator Operator shall notify its Transmission Operator in advance of changes in generation or operating conditions that could require changes in the Transmission Operator’s Protection Systems.
  – R5.2. Each Transmission Operator shall notify neighboring Transmission Operators in advance of changes in generation, transmission, load, or operating conditions that could require changes in the other Transmission Operators’ Protection Systems.
• R6. Each Transmission Operator and Balancing Authority shall monitor the status of each Special Protection System in their area, and shall notify affected Transmission Operators and Balancing Authorities of each change in status.
• R1. Each Transmission Operator shall maintain a documented specification for the data necessary for it to perform its Operational Planning Analyses, Real-time monitoring, and Real-time Assessments. The data specification shall include, but not be limited to: [Violation Risk Factor: Low] [Time Horizon: Operations Planning]

  – 1.1. A list of data and information needed by the Transmission Operator to support its Operational Planning Analyses, Real-time monitoring, and Real-time Assessments including non-BES data and external network data as deemed necessary by the Transmission Operator.

  – 1.2. Provisions for notification of current Protection System and Special Protection System status or degradation that impacts System reliability.

  – 1.3. A periodicity for providing data. 1.4. The deadline by which the respondent is to provide the indicated data.
R5. Each Transmission Operator, Balancing Authority, Generator Owner, Generator Operator, Load-Serving Entity, Transmission Owner, and Distribution Provider receiving a data specification in Requirement R3 or R4 shall satisfy the obligations of the documented specifications using: [Violation Risk Factor: Medium] [Time Horizon: Operations Planning, Same-Day Operations, Real-time Operations]

- 5.1. A mutually agreeable format
- 5.2. A mutually agreeable process for resolving data conflicts
- 5.3. A mutually agreeable security protocol
• Current version of Manual 1 Appendix A includes the reference to maintenance outages and forced outages of protection equipment
• Compliance Bulletin 1 has been updated to show retirement of Requirements R2, R5 and R6
  – CB01 will retire when PRC-001-1(ii) retires in 2020
<table>
<thead>
<tr>
<th>PRC-001-1.1(ii)</th>
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<tbody>
<tr>
<td>R1</td>
<td>9/30/2020</td>
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<tr>
<td>R2</td>
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<td>3/31/2017</td>
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Coordination of Protection on Shared Facilities Process

• Process in place since 2003
• To comply with PRC-001-1(ii) Requirements 3.2 and 4
• Revised
  – Shuffled some sections
  – Clarified Generator Owner and Generator Operator requirements
• TO/TOP Matrix Shared Tasks
• Transmission Owners have the Agenda item at every PJM Relay Subcommittee meeting
  – List kept up to date every month
• There is central repository of the final setting for changed or new protection
• 3-Phase Process
  – Phase 1 - Notification of work and agreement of scope
  – Phase 2 – Agreement on relay setting/design changes
  – Phase 3 – Commissioning complete