AUSTIN ENERGY DATA SPECIFICATION

May 18, 2021

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- [x] Procedure Revision
- [ ] Editorial / Minor Change

- [ ] Temporary Change (TC Expiration Date: ____________)

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  - 5/18/2021
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  - 5/27/2021
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Approved as to Form:

- [DocuSigned by:]
  - Lisa L. Martin  
  - 5/18/2021
  - [30C5C9EDEF482]

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Austin Energy Data Specification

PURPOSE
To ensure Austin Energy (AE) has the data needed to fulfill its operational responsibilities. This document contains general data specifications and information necessary for AE to perform Real-time monitoring of its portion of the Bulk Electric System (BES). AE provides this Data Specification to entities with data AE needs for Real-time monitoring. In specific situations, if necessary, AE will include additional specifications in an appendix to this document or by another agreement.

SCOPE
This Data Specification includes a:

1) list of data required from other entities for AE’s Real-time monitoring of its portion of the BES, including BES, non-BES and external network data as deemed necessary by AE System Operations,

2) required periodicity for providing the data,

3) required deadline upon which the respondent must provide the data, and

4) provisions for the notification of Protection System and Reliability Action Scheme status change or degradation impacting AE’s System reliability.

AE does not perform Operational Planning Analyses or Real-time Assessments; ERCOT performs those actions within the ERCOT Interconnection.

DEFINITIONS
NERC defines Real-time as “Present time as opposed to future time.”

REFERENCES
- NERC Standard TOP-003-3 – Operational Reliability Data
- NERC Glossary
- ERCOT Nodal Operating Guide 7.3.3 (4), (5)

REQUIRED DATA (TOP-003, R1)

ENTITY TYPES
AE’s Real-time monitoring of its portion of the BES may require data associated with any interconnected entity, such as generator owners or operators, transmission owners or operators, distribution owners or operators, customers or any other entity AE deems necessary to maintain system reliability.

DATA REQUIRED
AE receives its Real-time monitoring data from the RTU at AE owned substations. AE can receive other Entities’ Real-time data from a dedicated serial port on the RTU at its shared substations. If no dedicated port exists or at
substations where AE does not own any equipment, AE receives its Real-time monitoring data from ERCOT via ICCP communication.

<table>
<thead>
<tr>
<th>Required Data/Information:</th>
<th>Unit of Measure</th>
<th>Periodicity</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Megawatts</td>
<td>MW</td>
<td>10 seconds</td>
<td>Continuous</td>
</tr>
<tr>
<td>MegaVars</td>
<td>MVar</td>
<td>10 seconds</td>
<td>Continuous</td>
</tr>
<tr>
<td>KiloVolts</td>
<td>kV</td>
<td>10 seconds</td>
<td>Continuous</td>
</tr>
<tr>
<td>Breaker Status</td>
<td>Open/Closed</td>
<td>10 seconds</td>
<td>Continuous</td>
</tr>
<tr>
<td>Circuit Switcher Status</td>
<td>Open/Closed</td>
<td>10 seconds</td>
<td>Continuous</td>
</tr>
<tr>
<td>Air Switch Status</td>
<td>Open/Closed</td>
<td>10 seconds</td>
<td>Continuous</td>
</tr>
<tr>
<td>Motor Operated Switch Status</td>
<td>Open/Closed</td>
<td>10 seconds</td>
<td>Continuous</td>
</tr>
<tr>
<td>Equipment Capacity</td>
<td>As appropriate</td>
<td>10 seconds</td>
<td>Continuous</td>
</tr>
</tbody>
</table>

**ADDRESSING REAL-TIME DATA CONFLICTS**

If a conflict in Real-time data occurs, AE shall operate to the most limiting value until the discrepancy is resolved. Entities providing Real-time telemetry data to AE shall notify AE of known data telemetry issues and shall treat telemetry issues per ERCOT Nodal Operating Guide §7.3.3 (4), and §7.3.3 (5).

**PROTECTION SYSTEMS, SPS AND RAS (TOP-003, R1.2)**

For all types of entities, AE requires notification of changes in status or degradation of Protection Systems, a Special Protection System (SPS) or a Remedial Action Scheme (RAS) which may impact the reliability of AE’s System. For any status change or degradation impacting System reliability in a Protection System, SPS or RAS, contact the AE Energy Control Center as soon as practical but at least within 24 hours of discovering the status change or degradation.

Email: ecc.dispatch@austinenergy.com

Call: (512) 322-6950

**DISTRIBUTING SPECIFICATIONS (TOP-003, R3)**

AE will make available this Data Specification to entities which have data required by AE for Real-time monitoring.

**RESPONDING TO DATA SPECIFICATION REQUESTS (TOP-003, R5)**

If AE receives a valid data specification request from another entity, AE will satisfy the obligations of the documented specifications using a mutually-agreeable:

- Format;
- Process for resolving data conflicts; and
- Security protocol.

**DOCUMENT REVIEW/REVISION HISTORY**
# Austin Energy Data Specification

<table>
<thead>
<tr>
<th>Effective</th>
<th>Description</th>
<th>Participants</th>
<th>Version</th>
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</thead>
<tbody>
<tr>
<td>Jan. 1, 2017</td>
<td>Initial Version</td>
<td>Energy Control Center and Reliability Compliance Office staff</td>
<td>1.0</td>
</tr>
<tr>
<td>May 18, 2021</td>
<td>Update</td>
<td>Kurt Hammons, Shan Yaun, Rosemary Haarer, Andy Ibarra</td>
<td>2021.05</td>
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