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*Public Document*

***ATC NERC TOP-003 Data Specification***

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*Effective April 1, 2021*

*Version 1.2*

*American Transmission Company*

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## DISCLAIMER

This document provides the data specification required by NERC reliability standard TOP-003. This data specification supports relevant American Transmission Company (ATC) business practices, criteria, guides, business processes, and technical specifications. This document is intended to facilitate, not change, ATC business processes. In addition, this document does not limit the scope of data requirements specified in other documentation, such as interconnection and/or operating agreements.

### Important Notification Requirements

1.	<p>All entities receiving this data specification who are also required to submit data directly to ATC (see Section 3.2 for the limited list of entities) must return the accompanying Entity Reply Form (Appendix A) to:</p> <ul style="list-style-type: none"> <li>• Acknowledge receipt of this data specification</li> <li>• Supply an email address for future data specification updates from ATC</li> <li>• Indicate agreement or disagreement with ATC's default data submission format, security protocols and process for resolving data conflicts. If disagreeing, please add comments to aid further discussion with ATC.</li> <li>• Supply a contact name, phone number and email address for discussing any concerns or questions regarding ATC's data specification or to resolve any disagreement with ATC's default data submission format, security protocol and/or process for resolving data conflicts</li> </ul> <p>For these entities, submission of the Entity Reply Form (Appendix A) is requested within 30 calendar days of receipt via email to <a href="mailto:ATC-IE-Communications@atcllc.com">ATC-IE-Communications@atcllc.com</a>.</p>
2.	<p>All entities receiving this data specification, whether that entity is listed in Section 3.2 or not, are requested to supply a valid email address for the receipt of notifications from ATC regarding the following item:</p> <ul style="list-style-type: none"> <li>• When ATC determines the entity is impacted by an ATC Operating Plan under NERC Standard TOP-002 R3</li> </ul>
3.	<p>Any TOP or BA entity supplying a TOP-003 data specification to ATC are requested to use the <a href="mailto:ATC-IE-Communications@atcllc.com">ATC-IE-Communications@atcllc.com</a> email address for submission of the data specification.</p> <p>If you have particular questions to discuss with ATC, contact Brad Larson at (608) 877-7674 (<a href="mailto:belarson@atcllc.com">belarson@atcllc.com</a>) or Nick Giffin at (608) 877-3647 (<a href="mailto:ngiffin@atcllc.com">ngiffin@atcllc.com</a>).</p>

## DOCUMENT CHANGE HISTORY

<b>Version</b>	<b>Reason for Issue</b>	<b>Date (Author)</b>
1.0	Initial issuance of data specification	12/1/2016 (D. Cullum)
1.1	Minor updates to clarify requirements for Section 3.2	3/6/2017 (D. Cullum)
1.2	Added subsection to Section 3.2 regarding process for new/additional data needed; Removed version reference for TOP-003 and LSE; Minor readability edits	4/1/2021 (D. Cullum)

## 1. INTRODUCTION

### 1.1. Purpose

The purpose of this document is to provide a specification for data and information as required by North American Electric Reliability Corporation (NERC) Reliability Standard TOP-003 and in support of ATC business practices and processes and technical specifications.

### 1.2. Scope

This document provides an entire data specification necessary to build and maintain models to support Real-time Monitoring, Operational Planning Analysis, and Real-time Assessment of ATC's Transmission Operator Area. More specifically, Section 3, entitled "*Data Specification*" provides the data specification required for compliance with NERC standard TOP-003. ATC's data specification utilizes the MISO data specification created for MISO's compliance with NERC Standard IRO-010 for the purpose of more consistent data specifications across the MISO footprint.

When specific data items mentioned or referenced within this data specification are required to be provided by a functional entity to ATC pursuant to another NERC reliability standard, this document does not create an independent, separate requirement for the functional entity to provide those data items, but is intended to facilitate compliance with such other applicable NERC reliability requirements.

## 2. RESPONSIBILITIES

### 2.1. ATC

Pursuant to TOP-003, R1, ATC, as a Transmission Operator (TOP), must have a documented specification for data and information to build and maintain models to support Real-time monitoring, Operational Planning Analyses, and Real-time Assessment of its TOP Area. This specification is provided in Section 3.

Pursuant to TOP-003, R3, ATC, as a TOP, will provide this data specification and future revisions to the data specification to entities that have data required by ATC's Operational Planning Analyses, Real-time monitoring, and Real-time Assessment.

### 2.2. Entities with a Reliability Relationship with ATC

Pursuant to TOP-003, R5, each NERC registered Transmission Operator (TOP), Balancing Authority (BA), Generator Owner (GO), Generator Operator (GOP), Transmission Owner (TO) and Distribution Provider (DP) receiving ATC's data specification shall satisfy the obligations of the documented specification. The data and information required to be provided by the applicable, responsible functional entities can be found in the "*Data Specification*" provided in Section 3. The type of data, periodicity of data, timeframe for

submission of data, the format of the data and the method of submission are noted in the tables in Section 3.2.

The model references in Section 3.2 apply to modeling for the Energy Management System (EMS) maintained by ATC and not planning type models. In addition, all references to “MISO modeled” elements or facilities in Section 3.2 are to be understood to be consistent with how MISO requests such information under its IRO-010 data specification.

Note that the data specified may not need to be provided to ATC directly. Rather, entities may provide data to their respective Reliability Coordinator (RC) as specified by that entity and MISO, as ATC’s RC, may then obtain and provide this information to ATC. This approach is consistent with TOP-003 R5, which does not require the data to be delivered directly to ATC.

## 3. DATA SPECIFICATION

### 3.1. All Entities (ATC receives data from MISO)

Except as noted in Section 3.2, ATC obtains all of the data needed for its Operational Planning Analyses, Real-time monitoring, and Real-time Assessments from MISO. MISO permits the data collected by MISO to be delivered to TOPs that require the data (cf. MISO tariff Module F section 72.3.9).

ATC has reviewed the MISO IRO-010 mandated data specification and the data available from MISO. Based on ATC's review, all needed TOP, BA, GO, GOP, TO and DP data is available to ATC from MISO and ATC will obtain the data it needs from MISO, except as noted in section 3.2 for the specified entities in Table 3.2.

Except for the specific entities listed in Table 3.2, ATC will utilize the ICCP data available from MISO as the primary source of data. In addition to ICCP connections to MISO, ATC also maintains direct ICCP links with other entities as Good Utility Practice apart from NERC compliance requirements.

#### 3.1.1 Mutually Agreeable Format

ATC will utilize the data available from MISO in the format MISO provides.

#### 3.1.2 Mutually Agreeable Process for Resolving Data Conflicts

ATC will utilize the data available from MISO and will work directly with MISO to resolve any data conflicts.

#### 3.1.3 Mutually Agreeable Security Protocol

ATC will utilize the data available from MISO following existing security protocols for providing data to ATC.

### 3.2. Entities Required to Submit Directly to ATC

This section provides the data specification for the data ATC needs to perform its Operational Planning Analyses, Real-time monitoring, and/or Real-time Assessments when ATC is either unable to obtain the data directly from MISO or ATC has determined that direct receipt of such data is in the best interest of ATC footprint reliability. Table 3.2 below lists the entities required to supply data directly to ATC under this data specification.

#### *Entities external to the ATC footprint*

If an entity external to the ATC footprint noted in Table 3.2 begins supplying data to MISO, that entity should contact ATC to indicate that the data may now be available from MISO. The entity can then work with MISO to provide their data to ATC. ATC will confirm that all of the needed data can now be obtained from MISO. Once confirmed, ATC will coordinate with the entity to be removed from Table 3.2.

#### *Process for when ATC identifies a need for data*

If ATC identifies data that may be needed from an entity listed in Table 3.2, ATC will contact that entity to determine the availability of such data.

<b>Table 3.2: Entities Required to Submit Data Directly to ATC</b>
<i>Entities Internal to the ATC Footprint</i>
ATC
Marquette Board of Light & Power
Midcontinent Independent System Operator (as the registered BA for the ATC footprint; also as required by the MISO tariff)
All generator owners with an active generator interconnection agreement with ATC
All NERC registered DP, GO, GOP and TO entities within ATC's footprint (excluding Dairyland Power Cooperative, ITC, ITC Midwest, Minnesota Power, Xcel Energy)
<i>Entities External to the ATC Footprint</i>
None identified

#### 3.2.1 System Modeling and Parameters

<b>Table 3.2.1: ATC's Data Specification Requirement (TOP-003): System Modeling and Parameters</b>				
<b>Data Item</b>	<b>Time Frame</b>	<b>Periodicity</b>	<b>Data Communication Method and Format</b>	<b>Data Provider</b>
<u>Generator Modeling Data:</u> Modeling data for generators that meet any one of the	In accordance with existing agreements or processes (e.g.,	In accordance with existing agreements or processes	In accordance with existing agreements or processes (e.g., GFMN process).	GO, GOP, non registered generator owners/operators



Table 3.2.1: ATC's Data Specification Requirement (TOP-003): System Modeling and Parameters				
Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider
<p>following criteria:</p> <p>All generators greater than or equal to 5MW that are directly connected to the ATC's transmission system.</p> <p>All generators with gross plant/facility aggregate nameplate rating greater than 20 MVA and not directly connected to the ATC's transmission system but served from an ATC transmission element.</p> <p>For data providers external to ATC<sup>1</sup>, all generators modeled within the ATC EMS network model.</p>	<p>GFMN process).</p> <p><b>Otherwise:</b> When changed.</p> <p>Emergency changes as soon as practical.</p>	<p>(e.g., GFMN process).</p> <p><b>Otherwise:</b> When changed.</p>	<p><b>Otherwise:</b> ATC Operations via email address "atcems-intmodel@atcllc.com"</p> <p>If the entity supplying the data is external to ATC's footprint, send to ATC Operations via email address "atcems-extmodel@atcllc.com"</p>	
<p><u>Load Modeling:</u></p> <p>Load serving buses fed from the ATC's transmission system.</p> <p>Load serving buses associated with modeled sub-transmission facilities (see "Facilities Modeling" row).</p> <p>For data providers external to ATC, load serving buses modeled within the ATC EMS network model.</p> <p>In general, auxiliary loads for generation stations can be modeled explicitly alongside with gross generation or the auxiliary load and gross generation can be modeled together as net generation. The exception to this rule is when the auxiliary load is served from a different Bus than the generator interconnection Bus or there is an overriding reliability concern such as the ability to properly model</p>	<p>In accordance with existing agreements or processes (e.g., LIRF or GFMN processes).</p> <p><b>Otherwise:</b> When changed.</p> <p>Emergency changes as soon as practical.</p>	<p>In accordance with existing agreements or processes (e.g., LIRF or GFMN process).</p> <p><b>Otherwise:</b> As needed.</p>	<p>In accordance with existing agreements or processes (e.g., LIRF or GFMN process).</p> <p><b>Otherwise:</b> ATC Operations via email address "atcems-intmodel@atcllc.com"</p> <p>If the entity supplying the data is external to ATC's footprint, send to ATC Operations via email address "atcems-extmodel@atcllc.com"</p>	TOP, DP, GOP, non registered generator operators

<sup>1</sup> MISO is not considered a data provider external to ATC for the purpose of this data specification. This footnote applies to all usage of "data providers external to ATC" in data specification.

Table 3.2.1: ATC's Data Specification Requirement (TOP-003): System Modeling and Parameters				
Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider
contingencies on the buses around a nuclear plant. In that case, the auxiliary load must be explicitly modeled with gross generation.				
<p><u>Facilities Modeling:</u></p> <p>All transmission facilities including transmission lines, transformers, phase shifters, switching devices and shunt reactive power devices in the ATC footprint.</p> <p>The following specified non-BES ATC required Capacitor, Reactor &amp; Static Compensators:</p> <ul style="list-style-type: none"> <li>• None at this time</li> </ul> <p>Wind farm reactive compensation systems for wind farms directly connected to ATC transmission</p> <p>All networked tie lines from ATC to another TOP must be modeled.</p> <p>All sub-transmission facilities 34.5 kV to 69 kV normally networked between two substations within the ATC footprint.</p> <p>All sub-transmission facilities 34.5 kV and higher connecting modeled generation (see "Generator Modeling Data" row) to the ATC transmission system.</p> <p>For data providers external to ATC, all transmission and sub-transmission facilities modeled within the ATC EMS network model.</p>	<p>In accordance with existing agreements.</p> <p><b>Otherwise:</b> When changed.</p> <p>Emergency changes as soon as practical.</p>	<p>In accordance with existing agreements.</p> <p><b>Otherwise:</b> As needed.</p>	<p>In accordance with existing agreements.</p> <p><b>Otherwise:</b> ATC Operations via email address "atcems-intmodel@atcllc.com" "</p> <p>If the entity supplying the data is external to ATC's footprint, send to ATC Operations via email address "atcems-extmodel@atcllc.com" "</p>	TO, DP
<p><u>Ratings:</u></p> <p>Transmission facility ratings within the ATC footprint.</p>	<p>In accordance with existing agreements.</p> <p><b>Otherwise:</b></p>	As needed	<p>In accordance with existing agreements.</p> <p><b>Otherwise:</b> ATC Operations via</p>	TO, DP

Table 3.2.1: ATC's Data Specification Requirement (TOP-003): System Modeling and Parameters				
Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider
<p>Ratings of sub-transmission facilities 34.5 kV to 69 kV normally networked between two substations within the ATC footprint (see "Facilities Modeling" row).</p> <p>Ratings of sub-transmission transformers (low side at 34.5 kV or higher) connecting modeled sub-transmission lines to the ATC transmission system (see "Facilities Modeling" row).</p> <p>Ratings of all networked tie lines from ATC to another TOP.</p>	<p>When changed.</p> <p>Emergency changes as soon as practical.</p>		<p>email address  <a href="mailto:atcems-intmodel@atcllc.com">"atcems-intmodel@atcllc.com"</a></p> <p>If the entity supplying the data is external to ATC's footprint, send to ATC Operations via email address  <a href="mailto:atcems-extmodel@atcllc.com">"atcems-extmodel@atcllc.com"</a></p>	
<p><u>Parameters (Resistance, Reactance, Charging Susceptance):</u></p> <p>Transmission facility parameters of facilities within the ATC footprint.</p> <p>Sub-transmission lines 34.5 kV to 69 kV normally networked between two substations within the ATC footprint (see "Facilities Modeling" row).</p> <p>Ratings of sub-transmission transformers (low side at 34.5 kV or higher) connecting modeled sub-transmission lines to the ATC transmission system (see "Facilities Modeling" row).</p> <p>For data providers external to ATC, all transmission and sub-transmission facilities modeled within the ATC EMS network model.</p>	<p>In accordance with existing agreements.</p> <p><b>Otherwise:</b> When changed.</p> <p>Emergency changes as soon as practical.</p>	As needed	<p>In accordance with existing agreements.</p> <p><b>Otherwise:</b> ATC Operations via email address  <a href="mailto:atcems-intmodel@atcllc.com">"atcems-intmodel@atcllc.com"</a></p> <p>If the entity supplying the data is external to ATC's footprint, send to ATC Operations via email address  <a href="mailto:atcems-extmodel@atcllc.com">"atcems-extmodel@atcllc.com"</a></p>	TO, DP
<p><u>Remedial Action Scheme (RAS):</u></p> <p>Description and documentation of installed RASs, including availability of telemetered arming status indications (Armed, Available, Triggered, Operated).</p>	<p>Requiring modeling changes - 150 days in advance of operational date.</p> <p>Not requiring modeling</p>	<p>As needed.</p> <p>Emergency changes as soon as practical.</p>	<p>ATC Operations via email address  <a href="mailto:atcems-intmodel@atcllc.com">"atcems-intmodel@atcllc.com"</a></p> <p>If the entity supplying the data is external to ATC's footprint, send</p>	TO, GO, and DP that owns an RAS

Table 3.2.1: ATC's Data Specification Requirement (TOP-003): System Modeling and Parameters				
Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider
	changes – 30 days in advance of operational or termination date.  Emergency changes as soon as practical.		to ATC Operations via email address “ <a href="mailto:atcems-extmodel@atdcl.com">atcems-extmodel@atdcl.com</a> ”	

### 3.2.2. Real-time Data

Table 3.2.2: ATC's Data Specification Requirement (TOP-003): Real-time Data				
Data Item	Time Frame	Periodicity <sup>2</sup>	Data Communication Method and Format <sup>3</sup>	Data Provider
<u>BA Area Load (MW):</u> a. For BA in ATC footprint	Real-time	Configured rate <= 4 sec	ICCP	BA
<u>BA ACE:</u> a. For BA in ATC footprint	Real-time	Configured rate <= 4 sec	ICCP	BA
<u>Generation:</u> (see “Generator Modeling Data” row in Table 3.2.1 for relevant equipment) a. Net or Gross Generation (MW and MVar) (If report gross, must supply auxiliaries when unit on-line) b. kV (e.g., terminal voltage) c. Generation auxiliaries (MW and MVar)	Real-time	Configured rate <= 4 sec	ICCP	GO, GOP, BA, and non-registered generator owners/operators
<u>Transmission and Sub-Transmissions Lines:</u> (see “Facilities Modeling” row in Table 3.2.1 for relevant equipment) a. Telemetered flow measurement (MW and MVar)	Real-time	Configured rate <= 4 sec	ICCP	TO, TOP, DP
<u>Loads:</u> (see “Load Modeling” row in Table 3.2.1 for relevant equipment) a. Telemetered load	Real-time	Configured rate <= 4 sec	ICCP	GO, GOP, TOP, BA, DP

<sup>2</sup> A “Configured rate” is the target rate of data transfer configured within a computer system or component responsible for refreshing the current value of the ICCP objects that are available to ATC.

<sup>3</sup> The entity is to supply the data if it is available. This data specification is not intended to require new telemetry to be installed where it is not currently available.

<b>Table 3.2.2: ATC's Data Specification Requirement (TOP-003): Real-time Data</b>				
<b>Data Item</b>	<b>Time Frame</b>	<b>Periodicity<sup>2</sup></b>	<b>Data Communication Method and Format<sup>3</sup></b>	<b>Data Provider</b>
measurements (MW and MVar)				
<u>Bus:</u> (see "Facilities Modeling" row in Table 3.2.1 for relevant equipment)  a. Telemetered Voltages magnitudes (KV)	Real-time	Configured rate <= 4 sec	ICCP	TOP, GO, GOP, DP
<u>Transformers:</u> (see "Facilities Modeling" row in Table 3.2.1 for relevant equipment)  a. Telemetered Flows (MW and MVar)  b. Telemetered LTC Tap positions	Real-time	Configured rate <= 4 sec	ICCP	TOP, GO, GOP, DP
<u>Phase Shifters:</u> (see "Facilities Modeling" row in Table 3.2.1 for relevant equipment)  a. Telemetered Flows (MW and MVar)  b. Telemetered Tap positions	Real-time	Configured rate <= 4 sec	ICCP	TOP, GO, GOP, DP
<u>Remedial Action Scheme (RAS):</u>  a. Arming status indications (Armed, Available, Triggered, Operated, etc. as specified in RAS modeling in Table 3.2.1)	Real-time	Report By Exception (RBE) with a 10 minute integrity scan if ICCP  or  within 10 minutes of status change.	Primary method: ICCP;  Backup method: phone call to ATC control center	TO, DP and GO that owns an RAS
<u>Switching Device:</u> (see Table 3.2.1 for relevant equipment)  a. Telemetered Status (Open/Closed)	Real-time	Report By Exception (RBE) with a 10 minute integrity scan	ICCP	TOP, GO, GOP, DP

### 3.2.3. Forecasts

<b>Table 3.2.3: ATC's Data Specification Requirement (TOP-003): Forecasts</b>				
<b>Data Item</b>	<b>Time Frame</b>	<b>Periodicity</b>	<b>Data Communication Method and Format</b>	<b>Data Provider</b>
<u>Load Forecast:</u>	12 months of data on a	Once a month	ATC Operations via email address	BA

Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider
Monthly minimum and maximum load forecast data	rolling monthly basis		<a href="mailto:OperationsEngineering-DL@atcllc.com">OperationsEngineering-DL@atcllc.com</a>	
<u>Load Forecast:</u> Weekly minimum and maximum load forecast data	1 week of data on a rolling weekly basis	Once a week	ATC Operations via email address <a href="mailto:OperationsEngineering-DL@atcllc.com">OperationsEngineering-DL@atcllc.com</a>	BA

### 3.2.4. Outages

Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider
<u>Generation Outages:</u> (See "Generator Modeling Data" row in Table 3.2.1 for relevant equipment)  Generation units 10 MVA and above.	In accordance with existing agreements.  <b>Otherwise:</b> Planned - Minimum rolling 24 month (36 month for nuclear) for known outages  Unplanned – As soon as practical, upon discovery	In accordance with existing agreements.  <b>Otherwise:</b> Planned – Updated daily, as needed.  Unplanned – As needed.	In accordance with existing agreements.  <b>Otherwise:</b> Planned – ATC Operations via email address <a href="mailto:ATCOutages@atcllc.com">ATCOutages@atcllc.com</a>  Unplanned – Phone communications to corresponding ATC Operations desk.	GO, GOP, non-registered generator owner/operator
<u>System Voltage Regulation Equipment:</u> (See "Generator Modeling Data" row in Table 3.2.1 for relevant equipment)  Generator Automatic Voltage Regulators (AVR), supplementary excitation control, synchronous condensers.  Assumed available. Outage submitted for unavailable AVR.	In accordance with existing agreements.  <b>Otherwise:</b> Planned – Minimum rolling 24 month (36 month for nuclear) for known outages  Forced – As soon as possible after the occurrence and within 30 minutes.	As needed.	Planned – ATC Operations via email address <a href="mailto:ATCOutages@atcllc.com">ATCOutages@atcllc.com</a>  Unplanned – Phone communications to corresponding ATC Operations desk for forced outages. ICCP status point is also acceptable.	GOP, non-registered generator operator
<u>System Voltage Regulation Equipment:</u> (See "Facilities Modeling" row in Table 3.2.1 for relevant equipment)  Transmission connected Capacitor/Reactor & Static	In accordance with existing agreements.  <b>Otherwise:</b> Planned – Minimum rolling	Planned – Updated daily, as needed.  Unplanned – As needed.	Planned – ATC Operations via email address <a href="mailto:ATCOutages@atcllc.com">ATCOutages@atcllc.com</a>  Unplanned – Phone	TO, TOP, GO, GOP, DP

Table 3.2.4: ATC's Data Specification Requirement (TOP-003): Outage Schedules				
Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider
<p>Compensators</p> <p>The following specified non-BES ATC required Capacitor, Reactor &amp; Static Compensators:</p> <ul style="list-style-type: none"> <li>None at this time</li> </ul> <p>Wind farm reactive compensation systems for wind farms directly connected to ATC transmission</p>	<p>one year period for known outages</p> <p>Unplanned – As soon as practical, upon discovery</p>		<p>communications to corresponding ATC Operations desk. ICCP status point is also acceptable.</p>	
<p><u>Transmission and Sub-Transmission Outages:</u> (See “Facilities Modeling” row in Table 3.2.1 for relevant equipment)</p> <p>All modeled transmission and sub-transmission facilities (including but not limited to lines, transformers, breakers, reactive devices, etc.).</p>	<p>In accordance with agreements.</p> <p><b>Otherwise:</b></p> <p>Planned – Minimum rolling one year period for known outages</p> <p>Unplanned – As soon as practical, upon discovery</p>	<p>Planned – Updated daily, as needed.</p> <p>Unplanned – As needed.</p>	<p>Planned – ATC Operations via email address <a href="mailto:ATCOutages@atcllc.com">ATCOutages@atcllc.com</a></p> <p>Unplanned – Phone communications to corresponding ATC Operations desk for unplanned outages. ICCP status point is also acceptable.</p>	TO, TOP, DP
<p><u>Protection and Control System Outages:</u></p> <p>N-1 transmission contingencies are altered. Valid N-1 contingencies only include fault on a generator step up transformer or a transmission line, transformer or shunt capacitor/reactor. Relevant to modeled transmission facilities identified in “Facilities Row in Table 3.2.1.</p>	<p>As soon as possible after discovery, whether forced or planned.</p>	As needed	<p>Planned – ATC Operations via email address <a href="mailto:ATCOutages@atcllc.com">ATCOutages@atcllc.com</a></p> <p>Unplanned – Phone communications to corresponding ATC Operations desk for forced outages.</p>	TO, TOP
<p><u>Remedial Action Scheme Changes:</u></p> <p>Change from normal operation mode for: Remedial Action Schemes (RAS)</p>	<p>As soon as possible after discovery, whether forced or planned.</p> <p>Requested to not be less than 48 hours in advance for planned RAS work</p>	As needed	<p>Planned – ATC Operations via email address <a href="mailto:ATCOutages@atcllc.com">ATCOutages@atcllc.com</a></p> <p>Unplanned – Phone communications to corresponding ATC Operations desk for forced outages.</p>	TO, DP and GO that owns an RAS

### 3.2.5 Mutually Agreeable Format

For entities that must supply data directly to ATC (see Table 3.2), the format specified in the table will be considered to be the mutually agreeable format unless the entity indicates disagreement to ATC on the ATC reply form (Appendix A). If the entity disagrees, ATC and that entity will work together to agree on a mutually agreeable format.

### 3.2.6 Mutually Agreeable Process for Resolving Data Conflicts

For entities that must supply data directly to ATC (see Table 3.2), the mutually agreed upon process for resolving data conflicts will entail ATC working directly with that entity to resolve the data conflict, unless the entity disagrees with this process by indicating disagreement to ATC on the ATC reply form (Appendix A). If the entity disagrees, ATC will work with that entity to identify a mutually agreeable process for resolving data conflicts.

### 3.2.7 Mutually Agreeable Security Protocol

For entities that must supply data directly to ATC (see Table 3.2), the mutually agreed upon security protocol for supplying data will be those security protocols already in place for email, website access, ICCP data exchange, etc. unless the entity indicates disagreement to ATC on the ATC reply form (Appendix A). If the entity disagrees, ATC and that entity will work together to agree on a mutually agreeable security protocol.



# Appendix A. Entity Reply Form

(For use by entities listed in Table 3.2. Send to: [ATC-IE-Communications@atcllc.com](mailto:ATC-IE-Communications@atcllc.com))

Utility/Corporate Name of Entity Replying: \_\_\_\_\_

If replying for multiple entities (e.g., due to corporate structure, joint NERC registration, etc.), record all Table 3.2 entities covered by this reply:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Indicate agreement with ATC’s default data submission format, security protocols and process for resolving data conflicts (sections 3.2.5, 3.2.6 and 3.2.7, respectively).

\_\_\_\_\_ Agree

\_\_\_\_\_ Disagree (provide comments to aid resolution):

\_\_\_\_\_

\_\_\_\_\_

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Provide the following for future contact, including updates to ATC’s specification, as well as resolution of any disagreement noted.

Contact Name(s) \_\_\_\_\_ Phone \_\_\_\_\_ Email \_\_\_\_\_

\_\_\_\_\_ Phone \_\_\_\_\_ Email \_\_\_\_\_

If using a general email address for receipt of future data specification updates, note here:

\_\_\_\_\_

Submission of this form serves as acknowledgement of the receipt of ATC’s TOP-003 mandated data specification. Submitted by:

_____	_____	_____
Signature	Printed Name	Date