Public Document

ATC NERC TOP-003 Data Specification

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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. 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:
 - Acknowledge receipt of this data specification
 - Supply an email address for future data specification updates from ATC
 - 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.
 - 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

For these entities, submission of the Entity Reply Form (Appendix A) is requested within 30 calendar days of receipt via email to <u>ATC-IE-Communications@atcllc.com</u>.

- 2. 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:
 - When ATC determines the entity is impacted by an ATC Operating Plan under NERC Standard TOP-002 R3
- 3. Any TOP or BA entity supplying a TOP-003 data specification to ATC are requested to use the <u>ATC-IE-Communications@atcllc.com</u> email address for submission of the data specification.

If you have questions to discuss, contact Brad Larson at (608) 877-7674 (<u>belarson@atcllc.com</u>) or Stephanie Pierce at (262) 506-6191 (<u>spierce@atcllc.com</u>).

DOCUMENT CHANGE HISTORY

Version	Reason for Issue	Date (Author)
2.0	Cold weather and BESS data requirements added. Formatted to align with	4/1/2023 (S. Pierce)
1.2	MISO's document. 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)
1.1	Minor updates to clarify requirements for Section 3.2	3/6/2017 (D. Cullum)
1.0	Initial issuance of data specification	12/1/2016 (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 uses 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 Responsibility to NERC TOP-003

Pursuant to TOP-003, 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. ATC will also provide 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, 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, 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 use 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.

3.2. 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.

Table 3.2: Entities Required to Submit Data Directly toATC
Entities Internal to the ATC Footprint 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)
Entities External to the ATC Footprint None identified

3.2.1 System Modeling and Parameters

Table 3.2.1: ATC'S Data Spec	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	
Generator/Battery Energy Storage Systems (BESS) Modeling Data: Modeling data for generators that meet any one of the following criteria: All generators greater than or equal to 5MW that are directly connected to the ATC's transmission system. 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.	In accordance with existing agreements or processes (e.g., GFMN process). Otherwise: When changed. Emergency changes as soon as practical.	In accordance with existing agreements or processes (e.g., GFMN process). Otherwise: When changed.	In accordance with existing agreements or processes (e.g., GFMN process). Otherwise: ATC Operations via email address "atcems- intmodel@atcllc.com" If the entity supplying the data is external to ATC's footprint, send to ATC Operations via email address "atcems- extmodel@atcllc.com"	GO, GOP, non registered generator owners/operat ors	

Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider
For data providers external to ATC ¹ , all generators modeled within the ATC EMS network model.				
Load Modeling: Load serving buses fed from the ATC's transmission system. Load serving buses associated with modeled sub-transmission facilities (see "Facilities Modeling" row). For data providers external to ATC, load serving buses modeled within the ATC EMS network model. 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 contingencies on the buses around a nuclear plant. In that case, the auxiliary load must be explicitly modeled with gross generation.	In accordance with existing agreements or processes (e.g., LIRF or GFMN processes). Otherwise: When changed. Emergency changes as soon as practical.	In accordance with existing agreements or processes (e.g., LIRF or GFMN process). Otherwise: As needed.	In accordance with existing agreements or processes (e.g., LIRF or GFMN process). Otherwise: ATC Operations via email address "atcems- intmodel@atcllc.com" If the entity supplying the data is external to ATC's footprint, send to ATC Operations via email address "atcems- extmodel@atcllc.com"	TOP, DP, GOP, non registered generator operators
Facilities Modeling: All transmission facilities including transmission lines, transformers, phase shifters, switching devices and shunt reactive power devices in the	In accordance with existing agreements. Otherwise: When changed.	In accordance with existing agreements. Otherwise: As needed.	In accordance with existing agreements. Otherwise: ATC Operations via email address "atcems-	TO, DP

¹ 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	
ATC footprint. The following specified non- BES ATC required	Emergency changes as soon as practical.		intmodel@atcllc.com" If the entity supplying the data is external to ATC's footprint, send		
Capacitor, Reactor & Static Compensators: • None at this time			to ATC Operations via email address " <u>atcems-</u> <u>extmodel@atcllc.com</u> "		
Wind farm reactive compensation systems for wind farms directly connected to ATC transmission					
All networked tie lines from ATC to another TOP must be modeled.					
All sub-transmission facilities 34.5 kV to 69 kV normally networked between two substations within the ATC footprint.					
All sub-transmission facilities 34.5 kV and higher connecting modeled generation (see "Generator Modeling Data" row) to the ATC transmission system.					
For data providers external to ATC, all transmission and sub-transmission facilities modeled within the ATC EMS network model.					
<u>Ratings:</u>	In accordance with existing	As needed	In accordance with existing agreements.	TO, DP	
Transmission facility ratings within the ATC footprint.	agreements. Otherwise:		Otherwise: ATC Operations via		
Ratings of sub-transmission facilities 34.5 kV to 69 kV normally networked between two substations within the	When changed. Emergency changes as		email address " <u>atcems-</u> intmodel@atcllc.com"		
ATC footprint (see "Facilities Modeling" row).	soon as practical.		If the entity supplying the data is external to ATC's footprint, send		
Ratings of sub-transmission transformers (low side at			to ATC Operations via email address		

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

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	
	30 days in advance of operational or termination date.		extmodel@atcllc.com"		
	Emergency changes as soon as practical.				

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 ²	Data Communication Method and Format ³	Data Provider	
BA Area Load (MW):	Real-time	Configured rate <= 4	ICCP	BA	
a. For BA in ATC footprint BA ACE: a. For BA in ATC footprint	Real-time	sec Configured rate <= 4 sec	ICCP	BA	
Generation: Modeling Data" row in Table3.2.1 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-</u> <u>Transmissions Lines:</u> (see "Facilities Modeling" row in Table 3.2.1 for relevant equipment) a. Telemetered flow	Real-time	Configured rate <= 4 sec	ICCP	TO, TOP, DP	

² 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.

³ 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.

Table 3.2.2: ATC's Data Specification Requirement (TOP-003): Real-time Data				
Data Item	Time Frame	Periodicity ²	Data Communication Method and Format ³	Data Provider
measurement (MW and MVar)				
Loads: (see "Load Modeling" row in Table 3.2.1 for relevant equipment)	Real-time	Configured rate <= 4 sec	ICCP	GO, GOP, TOP, BA, DP
a. Telemetered load measurements (MW and MVar)				
Stored Energy Resource and Electric Storage Resource:	Real-time	Configured rate <= 4 sec	ICCP	GO, GOP, BA
 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) d. <u>State of Charge (MWh)</u> 				
Bus: (see "Facilities Modeling" row in Table 3.2.1 for relevant equipment)	Real-time	Configured rate <= 4 sec	ICCP	TOP, GO, GOP, DP
a. Telemetered Voltages magnitudes (KV)				
<u>Transformers:</u> (see "Facilities Modeling" row in Table 3.2.1 for relevant equipment)	Real-time	Configured rate <= 4 sec	ICCP	TOP, GO, GOP, DP
a. Telemetered Flows (MW and MVar)				
 b. Telemetered LTC Tap positions 				
<u>Phase Shifters:</u> (see "Facilities Modeling" row in Table 3.2.1 for relevant equipment)	Real-time	Configured rate <= 4 sec	ICCP	TOP, GO, GOP, DP
a. Telemetered Flows (MW and MVar)				
b. Telemetered Tap positions Remedial Action Scheme	Real-time	Report By	Primary method:	TO, DP and GO
(RAS):	inteal-lime	Exception (RBE) with	ICCP;	that owns an RAS
a. Arming status indications (Armed, Available, Triggered, Operated, etc. as		a 10 minute integrity	Backup method: phone call to ATC control	

Table 3.2.2: ATC's Data Specification Requirement (TOP-003): Real-time Data					
Data Item	Time Frame	Periodicity ²	Data Communication Method and Format ³	Data Provider	
specified in RAS modeling in Table 3.2.1)		scan if ICCP	center		
		or			
		within 10 minutes of			
		status			
		change.			
Switching Device: (see Table 3.2.1 for relevant equipment)	Real-time	Report By Exception (RBE) with	ICCP	TOP, GO, GOP, DP	
a. Telemetered Status		a			
(Open/Closed)		10 minute			
		integrity			
		scan			

3.2.3. Forecasts

Table 3.2.3: ATC's Data Specification Requirement (TOP-003): Forecasts					
Data Item	Time Frame	Periodicity	Data Communication Method and Format	Data Provider	
N/A					

3.2.4. Outages

Firme Frome		Data	
Гime Frame	Periodicity	Communication Method and Format	Data Provider
n accordance with existing agreements. Otherwise:	In accordance with existing agreements.	In accordance with existing agreements or as referenced in MISO Outage Schedule	GO, GOP, non- registered generator owner/operat
Minimum rolling 24 month (36 month for nuclear) for known outages	Planned – Updated daily, as needed. Unplanned –	Otherwise: Planned – ATC Operations via email address	or
א קפ ס ס ע 22 חו גר	ith existing greements. therwise: lanned - inimum rolling 4 month (36 onth for uclear) for	ith existing greements. accordance with existing agreements. therwise: anned - inimum rolling 4 month (36 onth for uclear) for nown outages accordance with existing agreements. Otherwise: Planned – Updated daily, as needed. Unplanned –	accordance ith existing greements.In accordance with existing agreements.In accordance with existing agreements or as referenced in MISO Outage Schedule Application.therwise: lanned - inimum rolling 4 month (36 onth for uclear) for nown outagesIn accordance with existing agreements.Updated daily, as uclear) for nown outagesOtherwise: Planned - updated Updated Unplanned - email address

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
<u>Generator Operating</u> <u>Limitation/De-Rate including</u> (See "Generator Modeling	soon as practical, upon discovery Planned: Maintenance outage	Daily or as needed.	<u>c.com</u> Unplanned – Phone communications to corresponding ATC Operations desk. MISO OS: OS Web Interface	ВА
 Data" row in Table 3.2.1 for relevant equipment): a. Capability and availability b. Fuel supply and inventory concerns c. Fuel switching capabilities d. Environmental constraints 	schedules for all generation facilities 10 MW and above to MISO for a minimum rolling 24 month period (36 months for nuclear Generator Resources) and updated on a daily basis. Unplanned: As soon as possible after the occurrence of the limitation and within 30 minutes of the limitation			
<u>Generator Cold Weather</u> <u>Minimum Operating</u> <u>Temperature (</u> See "Generator Modeling Data" row in Table 3.2.1 for relevant equipment)	Approximately 3 months before the beginning of the winter season	Annually.	Annual Generator Winterization Survey hosted on MISO Website	BA
System Voltage Regulation Equipment: (See "Generator Modeling Data" row in Table 3.2.1 for relevant equipment) Generator Automatic Voltage Regulators (AVR), supplementary excitation control, synchronous condensers.	In accordance with existing agreements. Otherwise: Planned – Minimum rolling 24 month (36 month for nuclear) for known outages	As needed.	Planned – ATC Operations via email address <u>ATCOutages@atcll</u> <u>c.com</u> Unplanned – Phone communications to corresponding ATC Operations desk for	GOP, non- registered generator operator

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
Assumed available. Outage submitted for unavailable AVR.	Forced – As soon as possible after the occurrence and within 30 minutes.		forced outages. ICCP status point is also acceptable.	
System Voltage RegulationEquipment:(See "FacilitiesModeling" row in Table 3.2.1for relevant equipment)Transmission connectedCapacitor/Reactor & StaticCompensatorsThe following specified non-BES ATC required Capacitor,Reactor & StaticCompensators:• None at this timeWind farm reactive	In accordance with existing agreements. Otherwise: Planned – Minimum rolling one year period for known outages Unplanned – As soon as practical, upon discovery	Planned – Updated daily, as needed. Unplanned – As needed.	Planned – ATC Operations via email address <u>ATCOutages@atcll</u> <u>c.com</u> Unplanned – Phone communications to corresponding ATC Operations desk. ICCP status point is also acceptable.	TO, TOP, GO, GOP, DP
compensation systems for wind farms directly connected to ATC transmission <u>Transmission and Sub-</u> <u>Transmission Outages:</u> (See "Facilities Modeling" row in	In accordance with agreements.	Planned – Updated daily, as	Planned – ATC Operations via email address	TO, TOP, DP
Table 3.2.1 for relevant equipment) All modeled transmission and sub-transmission facilities (including but not limited to lines, transformers, breakers, reactive devices, etc.).	Otherwise: Planned – Minimum rolling one year period for known outages Unplanned – As soon as practical, upon discovery	needed. Unplanned – As needed.	ATCOutages@atcll c.com Unplanned – Phone communications to corresponding ATC Operations desk for unplanned outages. ICCP status point is also acceptable.	
Protection and Control System Outages: N-1 transmission contingencies are altered. Valid N-1 contingencies only include fault on a generator step up transformer or a transmission line, transformer	As soon as possible after discovery, whether forced or planned.	As needed	Planned – ATC Operations via email address <u>ATCOutages@atcll</u> <u>c.com</u> Unplanned – Phone communications to	TO, TOP

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
or shunt capacitor/reactor. Relevant to modeled transmission facilities identified in "Facilities Row in Table 3.2.1.			corresponding ATC Operations desk for forced outages.	
Remedial Action Scheme Changes: Change from normal operation mode for: Remedial Action Schemes (RAS)	As soon as possible after discovery, whether forced or planned.	As needed	Planned – ATC Operations via email address <u>ATCOutages@atcll</u> <u>c.com</u>	TO, DP and GO that owns an RAS
	Requested to not be less than 48 hours in advance for planned RAS work		Unplanned – Phone communications to corresponding ATC Operations desk for forced outages.	

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, then 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, then 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, then 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: <u>ATC-IE-Communications@atcllc.com</u>)

Utility/Corporate	Name	of	Entity	Replying:
If replying for multiple etc.), record all Table	· •	•	-	RC registration,
Indicate agreement windicate for resolving of				
	Agree			
	Disagree (pro	vide comment	s to aid resolution)	:
Provide the following t as resolution of any di			ites to ATC's speci	fication, as well
Contact Name(s) _ Email			_Phone	
		Ph	ione	Email

Version 2.0 (Effective 04/01/2023) Page **19** of **19** 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