

Addendum to Mapping Document Related to NERC Reliability Standards IRO-010 & TOP-003

1. Introduction

1.1 Purpose

As described in IRO-010 and TOP-003, ERCOT ISO, as the Reliability Coordinator, Balancing Authority, and a Transmission Operator for the ERCOT Interconnection, is required to maintain documented specification(s) for the data and information necessary for it to perform its analysis functions, Operational Planning Analyses (OPA), Real-time monitoring (RTM), Real-time Assessments (RTA), and Near-Term Energy Reliability Assessments (Near-Term ERA). To comply with this obligation, ERCOT ISO maintains the Excel spreadsheet titled “Mapping Document Related to NERC Reliability Standards IRO-010 & TOP-003” and this document, “Addendum to Mapping Document Related to NERC Reliability Standards IRO-010 & TOP-003”, both of which are publicly available in the [Compliance in ERCOT](#) section of the ERCOT website.

1.2 Scope

This document defines a mutually agreeable process for resolving conflicts [IRO-010 R1 Part 1.4, TOP-003 R1 Part 1.4 and R2 Part 2.4] and addresses method(s) for applicable NERC-registered entities identified under Parts 1.1 and 2.1 of TOP-003 and Part 1.1 of IRO-010 to provide data and information that includes, but is not limited to, performance criteria for the availability and accuracy of data and information, as applicable [IRO-010 R1 Part 1.5.2, TOP-003 R1 Part 1.5.2 and R2 Part 2.5.2] and provisions to update or correct data and information, as applicable or necessary [IRO-010 R1 Part 1.5.3, TOP-003 R1 Part 1.5.3 and R2 Part 2.5.3].

In the event of any inconsistency between language in this document and language in a NERC Reliability Standard, the language from the Reliability Standard controls. This document does not under any circumstances exempt Registered Entities from complying with other Reliability Standard requirements applicable to them.

In the event of any inconsistency between the Protocols, Other Binding Documents, or ICCP Communications Handbook and this document, the Protocols, Other Binding Documents, and ICCP Communications Handbook prevail.

2. Definitions (Glossary of Terms Used in NERC Reliability Standards)

Operational Planning Analysis (OPA) – An evaluation of projected system conditions to assess anticipated (pre-Contingency) and potential (post-Contingency) conditions for next day operations. The evaluation shall reflect applicable inputs including, but not limited to: load forecasts; generation output levels; Interchange; known Protection System and Remedial Action Scheme status or degradation, functions, and limitations; Transmission outages; generator outages; Facility Ratings; and identified phase angle and equipment limitations. (Operational Planning Analysis may be provided through internal systems or through third-party services.)

Real-time Assessment (RTA) – An evaluation of system conditions using Real-time data to assess existing (pre-Contingency) and potential (post-Contingency) operating conditions. The assessment shall reflect applicable inputs including, but not limited to: load; generation output levels; known Protection System and Remedial Action Scheme status or degradation, functions, and limitations; Transmission outages; generator outages; Interchange; Facility Ratings; and identified phase angle and equipment limitations. (Realtime Assessment may be provided through internal systems or through third-party services.)

Near-Term Energy Reliability Assessment (Near-Term ERA) – An Energy Reliability Assessment with an assessment period that begins no later than two days after the operating day and has a minimum duration of five days and a maximum duration of six weeks.

3. Process for Resolving Conflicts

Responsible entities with a disagreement or conflict regarding data or information required by the ERCOT Nodal Protocols, Operating Guides, Planning Guide, or ICCP Communications Handbook listed in this document or the “Mapping Document Related to NERC Reliability Standards IRO-010 & TOP-003” may follow the proper Revision Request Process. For all other inquiries, the responsible entity may submit an email to compliance@ercot.com. Emails to compliance@ercot.com should include a requested deadline for ERCOT ISO’s response, which should be no earlier than 15 business days following the receipt of the notification.

Prior to the initial posting of this document, a Market Notice was sent to all NERC-registered entities within the ERCOT region requesting that entities review the draft document and provide any objections to the document and the proposed process. As stated in the Market Notice M-A040225-01, Notice Date April 2, 2025, failure to raise an objection or provide a response was considered to constitute agreement to the document and process.

Entities registered after the processes described in this document have been implemented may submit an email to compliance@ercot.com if there is a disagreement with this process. The registered Primary and Secondary Compliance Contact(s) for newly registered entities will be notified of the location of this document via email. Failure to raise an objection within 15 Business Days of receipt will be considered agreement to the process.

4. Data Specifications

The data and information ERCOT ISO needs to perform its analysis functions, OPA, RTA, RTM, and Near-Term ERA is listed in the “Mapping Document Related to NERC Reliability Standards IRO-010 & TOP-003” and obtained through the following six sources:

- Network Operations Model
- Resource Registration
- Outage Scheduler
- Current Operating Plan (COP)
- Real-time telemetry
- Voice Communication

4.1 Performance criteria for the availability and accuracy of data and information, as applicable. [IRO-010 R1.5.2, TOP-003 R1.5.2, TOP-003 R2.5.2]

Specified below are the [ERCOT Nodal Protocols](#), [ERCOT Nodal Operating Guide](#), and/or [ERCOT Planning Guide](#) sections that contain relevant availability and accuracy criteria for each of the six sources of data and information.

Network Operations Model

Nodal Protocols Section 3.10(2), 3.10(3), 3.10(6), 3.10(7), 3.10(8), 3.10(10), 3.10(11), 3.10.7.1(1)

Resource Registration

Planning Guide Section 6.8.1(6)
Planning Guide Section 6.8.2

Outage Scheduler

No applicable performance criteria have been established.

COP

Nodal Protocols Sections 3.9.1(1), 8.1.2(2), 8.1.2(3)

Real-time telemetry

Nodal Protocols Sections 3.10.6(2), 3.10.7.5.4(1),¹ 3.10.7.5.5(4), 6.5.5.2(8)

ICCP

Nodal Protocols Section 3.10.7.5.8.2

Voice Communications

No applicable performance criteria have been established.

4.2 Provisions to update or correct data and information, as applicable or necessary [IRO-010 R1.5.3, TOP-003 R1.5.3, TOP-003 R2.5.3]

Specified below are the [ERCOT Nodal Protocols](#), and/or [ERCOT Nodal Operating Guide](#) sections that contain relevant provisions to update or correct data and information, as applicable or necessary, for each of the six data and information sources.

¹ Quarterly Telemetry Point Availability Statistics Report - MIS Posting Location: Markets/Real-Time Market/RTM Operations Compliance and Disclosure/Compliance – QSE Grid/Transmission/RTM Operations; EMIL ID: NP8-475; ECEII - Yes

Network Operations Model

Nodal Protocols Section 3.10(3), 3.10(6), 3.10(7), 3.10(8), 3.10(10), 3.10(11), 3.10.1(1), 3.10.1(2), 3.10.1(3), 3.10.1(5), 3.10.7.1(4)

Resource Registration

Nodal Protocols Sections 3.7.2, 3.7.3, 3.10.6(4), 3.10.6(5), 3.10.6(6)

Outage Scheduler

Nodal Protocols Section 3.1.2(1)

COP

Nodal Protocols Sections 3.9.1(2), 3.9.2

Real-time telemetry

Operating Guide Sections 7.3.3(4), 7.3.3(5), 7.3.4(3), 7.3.4(4)

Nodal Protocols Sections 3.10.7.5.1(3), 3.10.7.5.2(5),² 3.10.7.5.6(1), 3.10.7.5.6(2), 6.5.7.1.5(1)³

Voice Communications

No applicable provisions to update or correct data and information have been established.

² State Estimator Bus Telemetry Accuracy Report - MIS Posting Location: Grid/Transmission/SE Reports Markets/Real-Time Market/SE Reports; EMIL ID: NP3-363-ER; ECEII - Yes

³ Topology Consistency Analyzer - MIS Posting Location: Grid/Transmission/Supporting Data; EMIL ID: NP6-291-CD; ECEII - Yes



Version 2

Document Revision History

Effective Date	Version	Description	Author(s)
July 1, 2025	1	Initial posting for IRO-010-5 and TOP-003-6.1	ERCOT staff
October 1, 2026	2	Revisions per TOP-003-7 implementation	ERCOT staff