

PJM Compliance Bulletin

NERC Standard IRO-010-1a: Reliability Coordinator Data Specifications and Collection

Purpose

The purpose of this PJM Compliance Bulletin is to clarify the PJM and PJM member data requirements as they apply to NERC Standard IRO-010-1a: Reliability Coordinator Data Specifications and Collection, effective October 1, 2011.

IRO-010-1a Responsibilities

The data and information requirements are to be identified [Requirement 1] and distributed [Requirement 2] by the Reliability Coordinator (RC) to those entities that provide Facility status to the RC.

PJM is the Reliability Coordinator for the entire PJM footprint, and therefore responsible for complying with Requirements 1 & 2 of IRO-010-1a.

The PJM Generator Owners (GOs), Load-serving Entities (LSEs), and Transmission Owner's (TOs), are responsible for providing the data requested by PJM in accordance with Requirement 3.

PJM Data and Information Requirements

Requirement 1

Below is a list of references regarding PJM's data and information requirements, in accordance with the sub-requirements of IRO-010-1a, Requirement 1:

R1.1: *List of required data and information needed by the Reliability Coordinator to support Real-Time Monitoring, Operational Planning Analyses, and Real-Time Assessments.*

1. PJM Manual 1: Control Center and Data Exchange Requirements, Section 2, identifies those entities required to submit real-time monitoring, operational planning, and real-time assessment data (TOs, GOs, & LSEs), the type of data to be submitted, and the applicable PJM Manual references.

Section 3.2.3, EMS Data Exchange, outlines the real-time data PJM requires to conduct real-time assessments and real-time monitoring.

2. PJM Manual 03A: Energy Management System (EMS) Model, Section 1.6 lists the telemetry requirements for real-time analysis. Section 2.2 lists the data requirements for modeling information.
3. PJM Manual 14D: Generator Operational Requirements, Section 4 Data Exchange and Metering Requirements, describes the data requirements for Generator Owners to provide data to PJM.

R1.2: *Mutually agreeable format.*

1. PJM Manual 1: Control Center and Data Exchange Requirements, Section 3, outlines the data exchange and communication format requirements for exchanging EMS data.
2. PJM Manual 03A: Energy Management System (EMS) Model, Section 3.2 provides additional descriptions regarding the required model information and also specifies that the information must be submitted to PJM through the eDart Network Model application.
3. The PJM Operating Agreement, Schedule 11: Member ~~Responsibilities~~, Responsibilities requires members to comply with the PJM manuals.
4. Through the PJM Member Committee manual approval process, all parties have implicitly agreed that the requested data formats are mutually acceptable.

R1.3: *Timeframe and periodicity for providing data and information (based on its hardware and software requirements, and the time needed to do its Operational Planning Analyses).*

1. PJM Manual 1: Control Center and Data Exchange Requirements, Section 3.2.3, EMS Data Exchange, describes the periodicity in which EMS data is to be provided to PJM.

Attachment B: Schedule of Data Submittals, provides the periodicity of reporting for a number of related data support functions, such as tie-line metering accuracy and UFLS data verification.

2. PJM Manual 03A: Energy Management System (EMS) Model, Section 3.2, Exhibit 3: Timeline for Model Update, provides the required timeline for data submission of the data needed for operational planning analysis.

3. PJM Manual 03: Transmission Operations, Section 4: Reportable Transmission Facility Outages, describes the data submittal requirements for the scheduling of any transmission equipment outages.
4. PJM Manual 14D: Generator Operational Requirements, Section 7.3 Critical Information and Reporting Requirements describes the data submittal requirements for the scheduling of generation outages.

R1.4: *Process for data provision when automated Real-Time system operating data is unavailable.*

1. PJM Manual 1: Control Center and Data Exchange Requirements, Section 3.4, outlines the EMS backup requirements for PJM members.

Section 4.2, Alternate Voice Communications, outlines the PJM requirements regarding business voice systems, cellular telephones, and satellite telephones.

2. PJM Operations Memo 030: Voice and Data Telecommunications Failures, describes the process that PJM uses in the event of voice and/or data telecommunications failures.
3. PJM Operations Memo 039: Manual Dispatch ~~D~~during SCED ~~O~~utages, outlines the process uses for manually dispatching area generation during an outage of the automated real-time dispatch system.

PJM Data and Information Requirements Distribution

Requirement 3

Below is PJM's guidance for PJM GOs, TOs, and LSEs regarding IRO-010-1a, Requirement 3:

R3: *Each Balancing Authority, Generator Owner, Generator Operator, Interchange Authority, Load-serving Entity, Reliability Coordinator, Transmission Operator, and Transmission Owner shall provide data and information, as specified, to the Reliability Coordinator(s) with which it has a reliability relationship.*

1. PJM member TOs, GOs, and LSEs are required to submit the requested data as outlined in the PJM agreements, manuals, and procedures outlined above, in the periodicity indicated.
2. The implementation of IRO-010-1a does not represent a change in the member obligations indicated under the Requirements above. The reporting requirements and data formats will continue as established under the current processes.

Document Retention

All PJM evidence of compliance shall be retained in accordance with the PJM Document Retention Schedule as maintained by the PJM Legal Department.

Development History

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| Author: | Patrick Brown, Manager NERC & Regional Coordination |
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