



Document C-46

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Procedure for Operations Planning Model Data Exchange

Approved by: Task Force on Coordination of Operations on October 6, 2022.

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1.0 Introduction

NERC Standard IRO-010 and TOP-003 require that Reliability Coordinators (RCs), Transmission Operators (TOPs), Balancing Authorities (BAs), maintain and distribute to entities that have the data required a documented specification for the data necessary for it to perform its Operational Planning Analyses, Real-time monitoring, and Real-time Assessments. These standards also require that RCs, TOPs, BAs, GOs, GOPs, TOs and DPs receiving such data request, satisfy the obligations of the documented specifications.

2.0 Purpose

To document current practices in-place among NPCC RCs, TOPs and BAs for providing and sharing data for performing Operational Planning Analyses, Real-time monitoring, and Real-time Assessments.

3.0 Procedure

Each NPCC RC, TOP and BA maintain documented specifications for the data necessary to perform Operational Planning Analyses, Real-time monitoring, and Real-time Assessments. The entities within each Area are required, per RC's, TOP's, and/or BA's authority, to provide said data in accordance with these specifications.

Although each RC's, TOP's, and/or BA's data specification may be unique, each requires:

1. A list of data and information required by the RC, TOP and BA to perform its reliability functions. Such data may include, but is not limited to:
 - a. Outage notifications for generators, and transmission facilities.
 - b. Outage notifications for computer applications and data exchange systems that carry Operating Reliability Data such as ICCP.
 - c. Power system facilities modeling data for:
 - Generation or other emerging technologies that perform a resource function.
 - Transmission (i.e., line, transformer, phase shifter, shunt and series devices, circuit breaker, etc.)
 - d. Telemetry requirements for real-time operation.
2. Additionally, the RC, TOP and BA data specification should include:
 - a. Requirements for notification of current Protection System and Remedial Action Scheme status or degradation that impacts System reliability
 - b. Specific periodicity for providing data; and
 - c. Deadline for providing such data.

Each NPCC RC, BA and TOP distributes and maintains evidence that it has distributed its data specification to its applicable neighboring entities.

Each NPCC RC shares its modeling data with its area BAs and TOPs as well as each adjacent RC in conjunction with model deployment. Each NPCC RC shares modeling data it receives from adjacent RCs with its Area's BAs and TOPs. This practice provides a more efficient and effective process for the sharing of operating reliability data.

Prepared by: NPCC Task Force on Coordination of Operation

Review frequency: 3 years

References: *NPCC Glossary of Terms*
IRO-010
TOP-003