

# Implementation Plan

## Project 2016-01 Modifications to TOP and IRO Standards Reliability Standards IRO-002-5 and TOP-001-4

### Applicable Standard(s)

- IRO-002-5 - Reliability Coordination - Monitoring and Analysis
- TOP-001-4 - Transmission Operations

### Requested Retirement(s)

- IRO-002-4 - Reliability Coordination - Monitoring and Analysis
- TOP-001-3 - Transmission Operations

### Prerequisite Standard(s)

These standard(s) or definitions must be approved before the Applicable Standard becomes effective:

- None

### Applicable Entities

- Reliability Coordinator
- Balancing Authority
- Transmission Operator
- Generator Operator
- Distribution Provider

### Background

On November 19, 2015, the Federal Energy Regulatory Commission (FERC) issued Order No. 817 approving nine revised or new TOP and IRO Reliability Standards from Project 2014-03 that addressed previously-identified reliability issues and concerns. In approving the standards, FERC also directed development of modifications to TOP and IRO standards to address specific concerns related to: (i) Transmission Operator monitoring of some non-Bulk Electric System (non-BES) elements needed for reliable operations, and (ii) redundancy in data exchange capabilities used by Reliability Coordinators, Balancing Authorities, and Transmission Operators for reliable operations.

### General Considerations

The three-month implementation period for IRO-002-5 provides Reliability Coordinators with time to establish and document data exchange capabilities that are redundant and diversely routed, and to implement testing processes and procedures for redundant functionality. The proposed implementation plan presumes that IRO-002-4 is effective, or will become effective, on or before the effective date of IRO-002-5.

The 12-month implementation period for TOP-001-3 provides Transmission Operators (TOP) with time to revise and distribute data specifications required by TOP-003-3 Requirement R1 to include non-BES data identified by the TOP, and receive data from entities responsible for providing the data as required by TOP-003-3 Requirement R5. The implementation period also provides TOPs and Balancing Authorities (BAs) with time to establish and document data exchange capabilities that are redundant and diversely routed, and to implement testing processes and procedures for redundant functionality.

## **Effective Date**

### **IRO-002-5**

Where approval by an applicable governmental authority is required, the standard shall become effective on the first day of the first calendar quarter that is three months after the effective date of the applicable governmental authority's order approving the standard, or as otherwise provided for by the applicable governmental authority.

Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is three months after the date the standard is adopted by the NERC Board of Trustees, or as otherwise provided for in that jurisdiction.

### **TOP-001-4**

Where approval by an applicable governmental authority is required, the standard shall become effective on the first day of the first calendar quarter that is 12 months after the effective date of the applicable governmental authority's order approving the standard, or as otherwise provided for by the applicable governmental authority.

Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is 12 months after the date the standard is adopted by the NERC Board of Trustees, or as otherwise provided for in that jurisdiction.

## **Retirement Date**

### **IRO-002-4**

Reliability Standard IRO-002-4 shall be retired immediately prior to the effective date of IRO-002-5 in the particular jurisdiction in which the revised standard is becoming effective.

### **TOP-001-3**

Reliability Standard TOP-001-3 shall be retired immediately prior to the effective date of TOP-001-4 in the particular jurisdiction in which the revised standard is becoming effective.