

# Implementation Plan

## Project 2010-01 Operations Personnel Training

### Implementation Plan for PER-005-2 – Operations Personnel Training

#### **Approvals Required**

PER-005-2 – Operations Personnel Training

#### **Prerequisite Approvals**

There are no other standards that must receive approval prior to the approval of this standard.

#### **Revisions to Glossary Terms**

The following definitions shall become effective when PER-005-2 becomes effective:

**System Operator:** An individual at a Control Center that operates or directs the operation of the Bulk Electric System in real-time.

The following terms are defined for use only within PER-005-2, and should remain with the standard upon approval rather than being moved to the NERC Glossary of Terms:

**System Personnel:** System Operators of a Reliability Coordinator, Transmission Operator or Balancing Authority, and the Transmission Owner personnel described in the Applicability Section of this standard.

**Support Personnel:** Individuals who carry out outage coordination and assessments, or determine SOLs, IROLs or operating nomograms for Real-time operations.

#### **Applicable Entities**

- Reliability Coordinator
- Balancing Authority
- Transmission Operator
- Transmission Owner that has personnel in a Transmission control center who operate a portion of the Bulk Electric System at the direction of its Transmission Operator
- Generator Operator that has personnel at a centrally located dispatch center who receive direction from their Reliability Coordinator, Balancing Authority, Transmission Operator, or Transmission Owner and may develop specific dispatch instructions for plant operators under their control.

**Applicable Facilities**

None

**Conforming Changes to Other Standards**

None

**Effective Dates**

PER-005-2 shall become effective as follows:

- Requirement R1, Requirement R2, Requirement R3 part 3.1, Requirement R4 and Requirement R5 shall become effective the first day of the first calendar quarter that is 24 months beyond the date that this standard is approved by applicable regulatory authorities, or in those jurisdictions where regulatory approval is not required, Requirement R1, Requirement R2, Requirement R3 part 3.1, Requirement R4 and Requirement R5 become effective the first day of the first calendar quarter that is 24 months beyond the date this standard is approved by the NERC Board of Trustees', or as otherwise made pursuant to the laws applicable to such ERO governmental authorities.
- Requirement R3, with the exclusion of part 3.1, shall become effective the first day of the first calendar quarter beyond the date that this standard is approved by applicable regulatory authorities, or in those jurisdictions where regulatory approval is not required, Requirement R3 becomes effective the first day of the first calendar quarter beyond the date this standard is approved by the NERC Board of Trustees', or as otherwise made pursuant to the laws applicable to such ERO governmental authorities.

Rationale for changes to requirements in the PER Standard related to Transmission Owners and Calendar Year:

- Transmission Owners personnel at local transmission control centers have been added to the PER standard and are subject to all the Requirements of PER-005-2. The reason for adding Transmission Owners is to address Order No. 693 and Order No. 742 FERC directives to include local transmission control center operator personnel.
- To address industry input, the term *annual* has been changed to *each calendar year*.
- PER-005-2 provides a requirement for training, but does not create a requirement for certification.

**Justification**

The 24-month period for implementation of PER-005-2 will provide ample time for the applicable entities to make necessary modifications to existing or creation of new systematic approach to training programs for compliance.

**Retirements**

PER-005-1 – System Personnel Training should be retired at midnight of the day immediately prior to the effective date of PER-005-2 in the particular jurisdiction in which the new standard is becoming effective.

**Attachment 1****Approved Standards Incorporating the Term “System Operator”**

EOP-005-2 — System Restoration from Blackstart Resources  
EOP-006-2 — System Restoration Coordination  
EOP-008-1 — Loss of Control Center Functionality  
IRO-002-3 — Reliability Coordination – Analysis Tools  
IRO-014-1 — Procedures, Processes, or Plans to Support Coordination between Reliability Coordinators  
MOD-008-1 — TRM Calculation Methodology  
MOD-020-0 — Providing Interruptible Demands and DCLM Data  
PER-003-1 — Operation Personnel Credentials  
PER-005-1 — System Personnel Training  
PRC-023 -2 — Transmission Relay Loadability