

Reliability Standards Development Plan Projects Pertaining to Active Standards

Standard	Standard Name	Project Number
Resource and Demand Balancing (BAL) Standards		
BAL-001-0	Real Power Balancing Control Performance	Project 2007-18
BAL-001-0a	Real Power Balancing Control Performance	Project 2007-18
BAL-002-0	Disturbance Control Performance	Project 2007-05 and Project 2009-02
BAL-003-0	Frequency Response and Bias	Project 2007-18
BAL-003-0a	Frequency Response and Bias	Project 2007-18
BAL-004-0	Time Error Correction	Project 2007-05
BAL-004-1	Time Error Correction	Project 2007-05
BAL-005-0	Automatic Generation Control	Project 2007-05 and Project 2009-02
BAL-005-0b	Automatic Generation Control	Project 2007-05 and Project 2009-02
BAL-006-1	Inadvertent Interchange	Project 2007-05
Critical Infrastructure Protection (CIP) Standards		
CIP-001-1	Sabotage Reporting	Project 2009-01
CIP-002-1	Critical Cyber Asset Identification	Project 2008-06
CIP-003-1	Security Management Controls	Project 2008-06
CIP-004-1	Personnel and Training	Project 2008-06
CIP-005-1	Electronic Security Perimeter(s)	Project 2008-06
CIP-006-1	Physical Security	Project 2008-06
CIP-006-1a	Cyber Security — Physical Security	Project 2008-06
CIP-007-1	Systems Security Management	Project 2008-06
CIP-008-1	Incident Reporting and Response Planning	Project 2008-06
CIP-009-1	Recovery Plans for Critical Cyber Assets	Project 2008-06
Communications (COM) Standards		
COM-001-1	Telecommunications	Project 2006-06 and Project 2009-02
COM-002-2	Communications and Coordination	Project 2006-06 and Project 2007-02
Emergency Preparedness and Operations (EOP) Standards		
EOP-001-0	Emergency Operations Planning	Project 2008-08 and Project 2009-03
EOP-002-2	Capacity and Energy Emergencies	Project 2007-18 and Project 2008-08 and Project 2009-03

Standard	Standard Name	Project Number
EOP-003-1	Load Shedding Plans	Project 2008-08 and Project 2009-02 and Project 2009-03
EOP-004-1	Disturbance Reporting	Project 2008-08 and Project 2009-01
EOP-005-1	System Restoration Plans	Project 2006-03 and Project 2008-08 and Project 2009-02
EOP-006-1	Reliability Coordination — System Restoration	Project 2006-03 and Project 2008-08
EOP-007-0	Establish, Maintain, and Document a Regional Blackstart Capability Plan	Project 2006-03
EOP-008-0	Plans for Loss of Control Center Functionality	Project 2006-04 and Project 2008-08
EOP-009-0	Documentation of Blackstart Generating Unit Test Results	Project 2006-03 and Project 2008-08
Facilities Design, Connections, and Maintenance (FAC) Standards		
FAC-001-0	Facility Connection Requirements	Project 2010-02
FAC-002-0	Coordination of Plans for New Facilities	Project 2010-02
FAC-003-1	Transmission Vegetation Management Program	Project 2007-07
FAC-008-1	Facility Ratings Methodology	Project 2006-09
FAC-009-1	Establish and Communicate Facility Ratings	Project 2006-09
FAC-010-1	System Operating Limits Methodology for the Planning Horizon	Project 2008-04
FAC-010-2	System Operating Limits Methodology for the Planning Horizon	Project 2008-04
FAC-011-1	System Operating Limits Methodology for the Operations Horizon	Project 2008-04
FAC-011-2	System Operating Limits Methodology for the Operations Horizon	Project 2008-05
FAC-012-1	Transfer Capability Methodology	Project 2006-07
FAC-013-1	Establish and Communicate Transfer Capabilities	Project 2006-07
FAC-014-1	Establish and Communicate System Operating Limits	Project 2008-04
FAC-014-2	Establish and Communicate System Operating Limits	Project 2008-04
Interchange Scheduling and Coordination (INT) Standards		
INT-001-2	Interchange Information	Project 2010-03
INT-001-3	Interchange Information	Project 2010-03
INT-003-2	Interchange Transaction Implementation	Project 2010-03
INT-004-1	Dynamic Interchange Transaction Modifications	Project 2010-03
INT-004-2	Dynamic Interchange Transaction Modifications	Project 2010-03

Standard	Standard Name	Project Number
INT-005-1	Interchange Authority Distributes Arranged Interchange	Project 2007-14 and Project 2010-03
INT-005-2	Interchange Authority Distributes Arranged Interchange	Project 2007-14 and Project 2010-03
INT-006-2	Response to Interchange Authority	Project 2007-14 and Project 2010-03
INT-007-1	Interchange Confirmation	Project 2010-03
INT-008-1	Interchange Authority Distributes Status	Project 2007-14 and Project 2010-03
INT-008-2	Interchange Authority Distributes Status	Project 2007-14 and Project 2010-03
INT-009-1	Implementation of Interchange	Project 2010-03
INT-010-1	Interchange Coordination Exemptions	Project 2010-03
Interconnection Reliability Operations and Coordination (IRO) Standards		
IRO-001-1	Reliability Coordination — Responsibilities and Authorities	Project 2006-06 and Project 2009-03
IRO-002-1	Reliability Coordination — Facilities	Project 2006-06 and Project 2009-02
IRO-003-2	Reliability Coordination — Wide-Area View	Project 2009-02
IRO-004-1	Reliability Coordination — Operations Planning	Project 2009-02
IRO-005-2	Reliability Coordination — Current-Day Operations	Project 2006-06 and Project 2007-18 and Project 2009-02
IRO-006-3	Reliability Coordination — Transmission Loading Relief	Project 2006-08
IRO-006-4	Reliability Coordination — Transmission Loading Relief	Project 2006-08
IRO-014-1	Procedures, Processes, or Plans to Support Coordination Between Reliability Coordinators	Project 2006-06
IRO-015-1	Notifications and Information Exchange Between Reliability Coordinators	Project 2006-06
IRO-016-1	Coordination of Real-time Activities Between Reliability Coordinators	Project 2006-06
Modeling, Data, and Analysis (MOD) Standards		
MOD-001-0	Documentation of TTC and ATC Calculation Methodologies	Project 2006-07
MOD-002-0	Review of TTC and ATC Calculations and Results	Project 2006-07
MOD-003-0	Procedure for Input on TTC and ATC Methodologies and Values	Project 2006-07
MOD-004-0	Documentation of Regional CBM Methodologies	Project 2006-07
MOD-005-0	Procedure for Verifying CBM Values	Project 2006-07
MOD-006-0	Procedure for the Use of CBM Values	Project 2006-07
MOD-007-0	Documentation of the Use of CBM	Project 2006-07

Standard	Standard Name	Project Number
MOD-008-0	Documentation and Content of Each Regional TRM Methodology	Project 2006-07
MOD-009-0	Procedure for Verifying TRM Values	Project 2006-07
MOD-010-0	Steady-State Data for Transmission System Modeling and Simulation	Project 2010-04
MOD-011-0	Regional Steady-State Data Requirements and Reporting Procedures	Project 2010-04
MOD-012-0	Dynamics Data for Transmission System Modeling and Simulation	Project 2010-04
MOD-013-1	RRO Dynamics Data Requirements and Reporting Procedures	Project 2010-04
MOD-014-0	Development of Interconnection-Specific Steady State System Models	Project 2010-04
MOD-015-0	Development of Interconnection-Specific Dynamics System Models	Project 2010-04
MOD-016-1	Actual and Forecast Demands, Net Energy for Load, Controllable DSM	Project 2010-05
MOD-017-0	Aggregated Actual and Forecast Demands and Net Energy for Load	Project 2010-05
MOD-018-0	Reports of Actual and Forecast Demand Data	Project 2010-05
MOD 019-0	Forecasts of Interruptible Demands and DCLM Data	Project 2010-05
MOD-020-0	Providing Interruptible Demands and DCLM Data	Project 2010-05
MOD-021-0	Accounting Methodology for Effects of Controllable DSM in Forecasts	Project 2010-05
MOD-024-1	Verification of Generator Gross and Net Real Power Capability	Project 2007-09
MOD-025-1	Verification of Generator Gross and Net Reactive Power Capability	Project 2007-09
Nuclear (NUC) Standards		
NUC-001-1	Nuclear Plant Interface Coordination	
Personnel Performance, Training, and Qualifications (PER) Standards		
PER-001-0	Operating Personnel Responsibility and Authority	Project 2007-03
PER-002-0	Operating Personnel Training	Project 2006-01
PER-003-0	Operating Personnel Credentials	Project 2007-04
PER-004-1	Reliability Coordination — Staffing	Project 2006-01
Protection and Control (PRC) Standards		
PRC-001-1	System Protection Coordination	Project 2007-06 and Project 2009-02
PRC-002-1	Define Regional Disturbance Monitoring and Reporting Requirements	Project 2007-11
PRC-003-1	Regional Procedure for Analysis of Misoperations of Transmission and Generation Protection Systems	Project 2010-06

Standard	Standard Name	Project Number
PRC-004-1	Analysis and Mitigation of Transmission and Generation Protection System Misoperations	Project 2010-06
PRC-005-1	Transmission and Generation Protection System Maintenance and Testing	Project 2007-17
PRC-006-0	Development and Documentation of Regional UFLS Programs	Project 2007-01
PRC-007-0	Assuring Consistency with Regional UFLS Program Requirements	Project 2007-01
PRC-008-0	Underfrequency Load Shedding Equipment Maintenance Programs	Project 2007-17
PRC-009-0	UFLS Performance Following an Underfrequency Event	Project 2007-01
PRC-010-0	Assessment of the Design and Effectiveness of UVLS Program	Project 2008-02
PRC-011-0	UVLS System Maintenance and Testing	Project 2007-17
PRC-012-0	Special Protection System Review Procedure	Project 2010-06
PRC-013-0	Special Protection System Database	Project 2010-04
PRC-014-0	Special Protection System Assessment	Project 2010-06
PRC-015-0	Special Protection System Data and Documentation	Project 2010-04
PRC-016-0	Special Protection System Misoperations	Project 2010-06
PRC-017-0	Special Protection System Maintenance and Testing	Project 2007-17
PRC-018-1	Disturbance Monitoring Equipment Installation and Data Reporting	Project 2007-11
PRC-020-1	Under-Voltage Load Shedding Program Database	Project 2010-04
PRC-021-1	Under-Voltage Load Shedding Program Data	Project 2010-04
PRC-022-1	Under-Voltage Load Shedding Program Performance	Project 2008-02
PRC-023-1	Transmission Relay Loadability	
Transmission Operations (TOP) Standards		
TOP-001-1	Reliability Responsibilities and Authorities	Project 2007-03 and Project 2009-02
TOP-002-2	Normal Operations Planning	Project 2007-03 and Project 2009-02
TOP-003-0	Planned Outage Coordination	Project 2007-03 and Project 2009-02
TOP-004-1	Transmission Operations	Project 2007-03 and Project 2009-02
TOP-004-2	Transmission Operations	Project 2007-03 and Project 2009-02
TOP-005-1	Operational Reliability Information	Project 2007-03 and Project 2009-02

Standard	Standard Name	Project Number
TOP-006-1	Monitoring System Conditions	Project 2007-03 and Project 2009-02
TOP-007-0	Reporting SOL and IROL Violations	Project 2007-03
TOP-008-1	Response to Transmission Limit Violations	Project 2007-03
TPL-001-0	System Performance Under Normal Conditions	Project 2006-02
Transmission Planning (TPL) Standards		
TPL-002-0	System Performance Following Loss of a Single BES Element	Project 2006-02
TPL-003-0	System Performance Following Loss of Two or More BES Elements	Project 2006-02
TPL-004-0	System Performance Following Extreme BES Events	Project 2006-02
TPL-005-0	Regional and Interregional Self-Assessment Reliability Reports	Project 2006-02
TPL-006-0	Assessment Data from Regional Reliability Organizations	Project 2006-02
Voltage and Reactive (VAR) Standards		
VAR-001-1	Voltage and Reactive Control	Project 2008-01 and Project 2009-02
VAR-001-1a	Voltage and Reactive Control	Project 2008-01 and Project 2009-02
VAR-002-1	Generator Operation for Maintaining Network Voltage Schedules	Project 2008-01
VAR-002-1a	Generator Operation for Maintaining Network Voltage Schedules	Project 2008-01