

Numbering of NERC Reliability Standards January 27, 2005

Numbering Convention

The Reliability Standard numbering convention has three parts:

- A three-letter acronym denoting the general topical area of the standard.
- The standard number within that topical area, beginning with 1 and increasing sequentially.
- The version of that standard.

Example: BAL-001-1 (Balancing – Standard 001 – Version 1)

Guided by a Functional Model approach for as many standards as possible, the following is the initial list of topical acronyms:

BAL Resource and Demand Balancing
 INT Interchange Scheduling and Coordination
 TOP Transmission Operations
 VAR Voltage and Reactive
 IRO Interconnection Reliability Operations and Coordination
 EOP Emergency Preparedness and Operations
 TPL Transmission Planning
 MOD Modeling, Data, and Analysis
 PRC Protection and Control
 FAC Facilities Design, Connections and Maintenance
 COM Communications
 CIP Critical Infrastructure Protection
 PER Personnel Performance, Training, and Qualifications
 ORG Organization Certification

New acronyms may be added if additional broad areas are introduced in the future.

Numbering of Version 0 Standards

Version 0 Reliability Standards are numbered as shown in Table 1 below.

Table 1 – Numbering of Version 0 Standards

Standard Number	Title
BAL-001-0	Real Power Balancing Control Performance
BAL-002-0	Disturbance Control Performance
BAL-003-0	Frequency Response and Bias
BAL-004-0	Time Error Correction

BAL-005-0	Automatic Generation Control
BAL-006-0	Inadvertent Interchange
CIP-001-0	Sabotage Reporting
COM-001-0	Telecommunications
COM-002-0	Communications and Coordination
EOP-001-0	Emergency Operations Planning
EOP-002-0	Capacity and Energy Emergencies
EOP-003-0	Load Shedding Plans
EOP-004-0	Disturbance Reporting
EOP-005-0	System Restoration Plans
EOP-006-0	Reliability Coordination - System Restoration
EOP-007-0	Establish, Maintain, and Document a Regional Blackstart Capability Plan
EOP-008-0	Plans for Loss of Control Center Functionality
EOP-009-0	Documentation of Blackstart Generating Unit Test Results
FAC-001-0	Facility Connection Requirements
FAC-002-0	Coordination of Plans for New Facilities
FAC-003-0	Vegetation Management Program
FAC-004-0	Methodologies for Determining Electrical Facility Ratings
FAC-005-0	Electrical Facility Ratings for System Modeling
INT-001-0	Interchange Transaction Tagging
INT-002-0	Interchange Transaction Tag Communication and Assessment
INT-003-0	Interchange Transaction Implementation
INT-004-0	Interchange Transaction Modifications
IRO-001-0	Reliability Coordination – Responsibilities and Authorities
IRO-002-0	Reliability Coordination – Facilities
IRO-003-0	Reliability Coordination – Wide Area View
IRO-004-0	Reliability Coordination – Operations Planning
IRO-005-0	Reliability Coordination – Current Day Operations
IRO-006-0	Reliability Coordination – Transmission Loading Relief
MOD-001-0	Documentation of TTC and ATC Calculation Methodologies
MOD-002-0	Review of TTC and ATC Calculations and Results
MOD-003-0	Procedure for Input on TTC and ATC Methodologies and Values
MOD-004-0	Documentation of Regional CBM Methodologies
MOD-005-0	Procedure for Verifying CBM Values
MOD-006-0	Procedures for Use of CBM Values
MOD-007-0	Documentation of the Use of CBM
MOD-008-0	Documentation and Content of Each Regional TRM Methodology
MOD-009-0	Procedure for Verifying TRM Values
MOD-010-0	Steady-State Data for Transmission System Modeling and Simulation
MOD-011-0	Regional Steady-State Data Requirements and Reporting Procedures
MOD-012-0	Dynamics Data for Transmission System Modeling and Simulation
MOD-013-0	RRO Dynamics Data Requirements and Reporting Procedures
MOD-014-0	Development of Interconnection-Specific Steady State System Models
MOD-015-0	Development of Interconnection-Specific Dynamics System Models
MOD-016-0	Actual and Forecast Demands, Net Energy for Load, Controllable DSM

MOD-017-0	Aggregated Actual and Forecast Demands and Net Energy for Load
MOD-018-0	Reports of Actual and Forecast Demand Data
MOD-019-0	Forecasts of Interruptible Demands and DCLM Data
MOD-020-0	Providing Interruptible Demands and DCLM Data
MOD-021-0	Accounting Methodology for Effects of Controllable DSM in Forecasts
PER-001-0	Operating Personnel Responsibility and Authority
PER-002-0	Operating Personnel Training
PER-003-0	Operating Personnel Credentials
PER-004-0	Reliability Coordination – Staffing
PRC-001-0	System Protection Coordination
PRC-002-0	Define and Document Disturbance Monitoring Equipment Requirements
PRC-003-0	Regional Procedure for Transmission Protection System Misoperations
PRC-004-0	Analysis and Reporting of Transmission Protection System Misoperations
PRC-005-0	Transmission Protection System Maintenance and Testing
PRC-006-0	Development and Documentation of Regional UFLS Programs
PRC-007-0	Assuring Consistency with Regional UFLS Programs
PRC-008-0	Underfrequency Load Shedding Equipment Maintenance Programs
PRC-009-0	UFLS Performance Following an Underfrequency Event
PRC-010-0	Assessment of the Design and Effectiveness of UVLS Program
PRC-011-0	UVLS System Maintenance and Testing
PRC-012-0	Special Protection System Review Procedure
PRC-013-0	Special Protection System Database
PRC-014-0	Special Protection System Assessment
PRC-015-0	Special Protection System Data and Documentation
PRC-016-0	Special Protection System Misoperations
PRC-017-0	Special Protection System Maintenance and Testing
TOP-001-0	Reliability Responsibilities and Authorities
TOP-002-0	Normal Operations Planning
TOP-003-0	Planned Outage Coordination
TOP-004-0	Transmission Operations
TOP-005-0	Operational Reliability Information
TOP-006-0	Monitoring System Conditions
TOP-007-0	Reporting SOL and IROL Violations
TOP-008-0	Response to Transmission Limit Violations
TPL-001-0	System Performance Under Normal Conditions
TPL-002-0	System Performance Following Loss of a Single BES Element
TPL-003-0	System Performance Following Loss of Two or More BES Elements
TPL-004-0	System Performance Following Extreme BES Events
TPL-005-0	Regional and Interregional Self-Assessment Reliability Reports
TPL-006-0	Assessment Data from Regional Reliability Organizations
VAR-001-0	Voltage and Reactive Control

Version 1 standards currently under development will also be renumbered to fit within this scheme, with a preliminary mapping shown in Table 2 below.

Table 2 – Mapping of Existing Version 1 Standards to the Numbering Convention

Current Standard Number	Title	Proposed Standard Number
100	Coordinate Operations	TOP- <i>nnn</i> -1
200	Operate within Interconnection Reliability Operating Limits	IRO- <i>nnn</i> -1
300	Balance Resources and Demand	BAL- <i>nnn</i> -1
400	Coordinate Interchange	INT- <i>nnn</i> -1
500	Assess Transmission Future Needs and Develop Transmission Plans	TPL- <i>nnn</i> -1
600	Determine Facility Ratings, Operating Limits, & Transfer Capabilities	FAC- <i>nnn</i> -1
700	Define (Physical) Connection Requirements	FAC- <i>nnn</i> -1
800	Design, Install and Coordinate Control and Protection Systems	PRC- <i>nnn</i> -1
900	Monitor and Analyze Disturbances, Events and Conditions	EOP- <i>nnn</i> -1
1000	Prepare for and Respond to Abnormal or Emergency Conditions	EOP- <i>nnn</i> -1
1100	Prepare for and Respond to Blackout or Island Conditions	EOP- <i>nnn</i> -1
1200	Cyber Security Standard (Urgent Action)	To Retire
1300	Cyber Security Standard (Permanent)	CIP- <i>nnn</i> -1
1400	Certification of Balancing Authority Function	ORG- <i>nnn</i> -1
1500	Certification of Interchange Authority Function	ORG- <i>nnn</i> -1
1600	Certification of Reliability Authority Function	ORG- <i>nnn</i> -1
1700	Certification of Transmission Operator Function	ORG- <i>nnn</i> -1
1900	Transmission System Vegetation Management	FAC- <i>nnn</i> -1