

<b>Planning Standard #</b>	<b>Planning Standard Title</b>	<b>V0 1<sup>st</sup> Posting #</b>	<b>V0.2 #</b>	<b>V0.2 Title</b>	<b>Comments</b>
ID.M1	Adequate voltage resources to meet future customer demands	64.1	VAR-003	Assessment of Reactive Power Resources	
ID.M2	Coordinate and optimize the use of generator reactive capability	64.2	VAR-004	Coordinate the Use of Generator Reactive Capability	
IF.M2	Disturbance monitoring equipment list	57.2	PRC-018	Disturbance Monitoring Equipment Installation and Data Reporting	Merged: See Requirements 1, 2, Measures 1, 2
IF.M3	Disturbance monitoring data reporting requirements	57.3	PRC-002-1	Define Regional Disturbance Monitoring Requirements	Merged: See Requirements 3, 4 and Measures 3, 4
IF.M4	Disturbance data	57.4	PRC-018	Disturbance Monitoring Equipment Installation and Data Reporting	Merged: See Requirement 3 and Measure 3
IF. M5	Use of disturbance data to develop and maintain models	57.5	MOD-022	Use of Disturbance Data to Develop and Maintain Models	
IIB. M1	Regional procedures for generation equipment testing	59.1	MOD-023	Procedures for Validating Generation Equipment Data	
IIB. M2	Verification of gross and net real power dependable capability of generators	59.2	MOD-024	Verification of Generator Gross and Net Dependable Capability	
IIB. M3	Verification of gross and net reactive power capability of generators	59.3	MOD-025	Verification of Dependable Reactive Capability	
IIB. M4	Test results of generator voltage regulator controls and limit functions	59.4	MOD-026	Verification and Modeling of Generator Excitation Systems and Voltage Controls	Merged: See Requirements 1,2 and Measures 1,2

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IIB. M5	Test results of speed/load governor controls	59.5	MOD-027	Verification of Speed/Load Governor Controls	Merged: See Requirements 2, 3 and Measure 1
IIB. M6	Verification of excitation system dynamic modeling data	59.6	MOD-026	Verification and Modeling of Generator Excitation Systems and Voltage Controls	Merged: See Requirements 3, 4 and Measures 3, 4
IID. M2	Reporting procedures to ensure against double counting or the omission of customer demand data	61.2	MOD-035	Double Counting or Omission of Customer Demand Data	
IID. M3	Consistency of actual and forecast demands and controllable demand-side management data reported for reliability and to government agencies	61.3			
IIE. M1	Customer (dynamic) demand characteristics to be determined and reported for reliability analyses	62.1	MOD-028	Requirements for Evaluation and Reporting of Voltage and Frequency Characteristics of Demand	Merged: See Requirement 1 and Measures 1 and 2
IIE. M2	Requirements for determining customer (dynamic) demand characteristics to be included in procedural manuals	62.2	MOD-028	Requirements for Evaluation and Reporting of Voltage and Frequency Characteristics of Demand	Merged: See Requirement 2 and Measure 3
IIE. M3	Load-serving entities to provide customer (dynamic) demand characteristics	62.3	MOD-029	LSE Customer Demand Data	

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IIIA. M2	Redundancy requirements for transmission protection systems.	Not Applicable			
IIIB. M1	Assessment of transmission control devices	66.1	PRC-019	Assessment of Reliability Impact of Transmission Control Devices	Merged: See Requirements 2, 4 and Measure 1
IIIB. M2	Provision of models and data for control devices for use in system modeling	66.2	PRC-019	Assessment of Reliability Impact of Transmission Control Devices	Merged: See Requirements 2 and 4.1 and Measure 2
IIIB. M3	Periodic review of settings and operating strategies of control devices	66.3	PRC-019	Assessment of Reliability Impact of Transmission Control Devices	Merged: See Requirements 3 and 4.3 and Measure 2
IIIC. M1	Operation of all synchronous generators in the automatic voltage control mode (documentation)	65.1	VAR-001-1	Voltage and Reactive Control	Merged: See Requirement 10 and Measure 2
IIIC. M2	Operation of all synchronous generators in the automatic voltage control mode (data)	65.2	VAR-002	Generator Operation for Maintaining Network Voltage Schedules	Merged: See Requirement 1 and Measure 1
IIIC. M3	Generator operation for maintaining network voltage schedules (documentation)	65.3	VAR-001-1	Voltage and Reactive Control	Merged: See Requirement 3 and Measure 1
IIIC. M4	Generator operation for maintaining network voltage schedules (data)	65.4	VAR-002	Generator Operation for Maintaining Network Voltage Schedules	Merged: See Requirements 3, 4 and Measure 2

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IIIC. M5	Tap settings of generator step-up and auxiliary transformers (documentation)	65.5	VAR-001	Voltage and Reactive Control	Merged: See Requirement 11 and Measure 3
IIIC. M6	Tap settings of generator step-up and auxiliary transformers (data)	65.6	VAR-002	Generator Operation for Maintaining Network Voltage Schedules	Merged: See Requirements 5, 6 and Measure 3
IIIC. M7	Generators performance during temporary excursions in frequency, voltage, etc.	65.7	VAR-005	Generators Performance During Temporary Frequency and Voltage	
IIIC. M8	Coordination of generator controls with the generator's short-term capabilities and protective relays	65.8	VAR-002	Generator Operation for Maintaining Network Voltage Schedules	Merged: See Requirement 2
IIIC. M9	Speed/load governing system	65.9	MOD-027	Verification of Speed/Load Governor Controls	
IIIC. M10	Regional procedure on generator protection operations	65.10	PRC-022	Procedure to Monitor, Review, and Analyze Operation of Generator Protection Equipment	
IIIC. M11	Analysis of misoperations of generator protection equipment	65.11	PRC-021	Generation Protection Equipment Operation Analysis and Maintenance	Merged: See Requirements 1, 2 and Measures 1,2
IIIC. M12	Maintenance and testing of generator protection systems	65.12	PRC-021	Generation Protection Equipment Operation Analysis and Maintenance	Merged: See Requirements 3, 4 and Measures 3, 4

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IIIE. M1	Undervoltage load shedding program documentation	68.1	PRC-020	Under-Voltage Load Shedding Program	Merged: See Requirements 1, 2 and Measures 1, 2
IIIE. M2	Undervoltage load shedding program database	68.2	PRC-020	Under-Voltage Load Shedding Program	Merged: See Requirements 3, 4 and Measure 5
IIIE. M5	Analysis and documentation of UVLS program performance	68.5	PRC-020	Under-Voltage Load Shedding Program	Merged: See Requirements 5, 6 and Measures 3, 4
IVA. M2	Demonstrate through simulation or testing that a blackstart generating unit can perform its function	70.2	EOP-005-1	System Restoration Plans	Merged: See Requirement 8 and Measures 1, 2
IVA. M3	Diagram the number, size, and location of system blackstart generating units and the initial transmission switching requirements	70.3	EOP-005-1	System Restoration Plans	Merged: See Requirement 8
IVB. M1	Documentation of Regional load restoration policies and programs	71.1	EOP-010	Document Automatic Load Restoration Programs	
IVB. M2	Documentation of automatic load restoration programs	71.2	EOP-011	Automatic Load Restoration Programs	Merged: See Requirement 1 and Measure 1
IVB. M3	Assessment of the effectiveness of automatic load restoration programs	71.3	EOP-011	Automatic Load Restoration Programs	Merged: See Requirement 2 and Measure 2
IVB. M4	Automatic load restoration equipment maintenance requirements		EOP-011	Automatic Load Restoration Programs	Merged: See Requirement 3 and Measure 3

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