

Comparison of 2015 and 2016 Risk Elements

2015 TABLE 7 – CYBER SECURITY

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
CIP-002-3	R2, R3	Balancing Authority
		Generator Operator
		Generator Owner
		Reliability Coordinator
		Transmission Operator
CIP-003-3	R4, R6	Transmission Owner
		Balancing Authority
		Generator Operator
		Generator Owner
		Reliability Coordinator
CIP-004-3a	R3, R4	Transmission Operator
		Balancing Authority
		Generator Operator
		Generator Owner
		Reliability Coordinator
CIP-005-3a	R1, R4	Transmission Operator
		Balancing Authority
		Generator Operator
		Generator Owner
		Reliability Coordinator
CIP-006-3	R1, R4, R5	Transmission Operator
		Balancing Authority
		Generator Operator
		Generator Owner
		Reliability Coordinator
CIP-007-3a	R1, R2, R4, R6, R8	Transmission Operator
		Balancing Authority
		Generator Operator
		Generator Owner
		Reliability Coordinator
CIP-009-3	R1, R2	Transmission Operator
		Balancing Authority
		Generator Operator
		Generator Owner
		Reliability Coordinator

2016 TABLE 3 - CRITICAL INFRASTRUCTURE PROTECTION

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION	ASSET TYPES
CIP-002-5.1	R1, R2	Balancing Authority	Control Centers
		Generator Operator	Backup Control
		Generator Owner	Centers
		Reliability Coordinator	Data Centers
		Transmission Operator	Substations
CIP-005-5	R1, R2	Transmission Owner	Generation Facilities
		Balancing Authority	Control Centers
		Generator Operator	Backup Control
		Generator Owner	Centers
		Reliability Coordinator	Data Centers
CIP-006-5	R1, R2, R3	Transmission Operator	Substations
		Balancing Authority	Control Centers
		Reliability Coordinator	Backup Control
		Transmission Operator	Centers
		Transmission Owner	Data Centers
CIP-007-5	R1, R2, R3, R5	Substations	Control Centers
		Balancing Authority	Control Centers
		Reliability Coordinator	Backup Control
		Transmission Operator	Centers
		Transmission Owner	Data Centers

2015 TABLE 9 – EXTREME PHYSICAL EVENTS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
EOP-002-3.1	R6, R7, R8	Balancing Authority
		Reliability Coordinator
		Transmission Operator
EOP-004-2	R2	Reliability Coordinator
		Balancing Authority
		Transmission Owner
		Transmission Operator
		Generator Owner
EOP-005-2	R1, R6	Generator Operator
		Transmission Operator
EOP-006-2	R1	Transmission Operator
		Reliability Coordinator
EOP-008-1	R3	Reliability Coordinator
		Balancing Authority
EOP-010-1	R1	Transmission Operator
		Reliability Coordinator
		Transmission Operator
TPL-002-0b	R1	Reliability Coordinator
		Planning Authority
TPL-003-0b	R1	Transmission Planner
		Planning Authority
TPL-004-0a	R1	Transmission Planner
		Planning Authority

2016 TABLE 4 - EXTREME PHYSICAL EVENTS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
EOP-010-1	R1, R3	Reliability Coordinator
		Transmission Operator
CIP-014-2	R1, R2	Transmission Owner

2015 TABLE 1 – INFRASTRUCTURE MAINTENANCE

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
PRC-005-2	R3, R4	Generator Owners
		Transmission Owners
		Distribution Provider
PRC-008-0	R1, R2	Transmission Owners
		Distribution Providers
		Transmission Owners
PRC-011-0	R1	Distribution Providers
PRC-017-0	R1	Transmission Owners
		Distribution Providers
		Generator Owners

2016 TABLE 5 - MAINTENANCE AND MANAGEMENT OF BPS ASSETS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
FAC-008-3	R6	Generator Owners
		Transmission Owners
		Distribution Providers
PRC-005-2(i)	R3, R4, R5	Generator Owners
		Transmission Owners

2015 TABLE 2 – UNCOORDINATED PROTECTION SYSTEMS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
PRC-001-1.1	R3, R5	Generator Operator
		Transmission Operator
	R4	Transmission Operator

2016 TABLE 7 - PROTECTION SYSTEM FAILURES

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
PRC-001-1.1(ii)	R3, R4, R5	Generator Operator
		Transmission Operator
PRC-004-2.1(i)a	R1, R2	Distribution Provider
		Generator Owner
		Transmission Owner

2015 TABLE 3 – PROTECTION SYSTEM MISOPERATIONS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
PRC-004-2.1a	R1	Transmission Owner
		Distribution Provider
PRC-016-0.1	R2	Generator Owner
		Transmission Owner
		Generator Owner
PRC-023-3	R1	Distribution Provider
		Transmission Owner
		Generator Owner
PRC-025-1	R1	Distribution Provider
		Transmission Owner
		Generator Owner

2015 TABLE 4 – WORKFORCE CAPABILITIES

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
CIP-004-3a	R1, R2	Balancing Authority Generator Operator Generator Owner Reliability Coordinator Transmission Operator Transmission Owner
EOP-001-2.1b	R2, R3 R4	Transmission Operator Balancing Authority
EOP-003-2	R8	Transmission Operator Balancing Authority
EOP-005-2	R10 R11	Transmission Operator Transmission Operator Transmission Owner Distribution Provider
	R17	Generator Operator
EOP-006-2	R9, R10	Reliability Coordinator
PER-005-1	R3	Reliability Coordinator Balancing Authority Transmission Operator
TOP-004-2	R6	Transmission Operator

NO COMPARISON AVAILABLE WITH 2016

2015 TABLE 5 – MONITORING AND SITUATIONAL AWARENESS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
EOP-010-1	R2	Reliability Coordinator
IRO-002-2	R6, R7, R8	Reliability Coordinator
IRO-005-3.1a	R1	Reliability Coordinator
IRO-008-1	R1, R2	Reliability Coordinator
IRO-014-1	R1	Reliability Coordinator
PRC-001-1.1	R6	Transmission Operator Balancing Authority
TOP-002-2.1b	R4, R19	Transmission Operator Balancing Authority
	R11	Transmission Operator

2016 TABLE 6 - MONITORING AND SITUATIONAL AWARENESS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
IRO-005-3.1a	R1, R2	Reliability Coordinator
TOP-006-2	R1, R2, R7	Balancing Authority Reliability Coordinator Transmission Operator

2015 TABLE 6 – LONG TERM PLANNING AND SYSTEM ANALYSIS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
TPL-001-0.110	R1	Planning Authority Transmission Planner

2016 TABLE 7 - EVENT RESPONSE/RECOVERY

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
EOP-001-2.1b	R1, R2, R3	Balancing Authority Transmission Operator
TOP-007-0	R1, R2, R3, R4	Reliability Coordinator Transmission Operator

2016 TABLE 10 - PLANNING AND SYSTEM ANALYSIS

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
EOP-002-3.1	R4	Balancing Authority
TPL-001-4	R1, R2, R3, R4	Planning Coordinator Transmission Planner
FAC-014-2	R1, R5	Reliability Coordinator Transmission Operator

2015 TABLE 8 – HUMAN ERROR

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
COM-002-2	R2	Reliability Coordinator Transmission Operator Balancing Authority

2016 TABLE 9 - HUMAN PERFORMANCE

STANDARD	REQUIREMENTS	ENTITIES FOR ATTENTION
COM-002-2	R2	Reliability Coordinator Transmission Operator Balancing Authority
PER-005-1	R2, R3	Reliability Coordinator Transmission Operator Balancing Authority