Standards Subject to Future Enforcement
Q2 2018 – Q3 2018

Rachel Coyne, Manager, Reliability Standards Program

Recently Enforceable Standards

Standard/Requirement	Enforcement Date
BAL-002-2	1/1/2018
PRC-026-1 R1	1/1/2018 (Phased in IP)

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Standards Upcoming Enforcement/Effective Dates – 4/1/2018

Standard/Requirement	Enforcement Date
IRO-018-1(i)	4/1/2018
TOP-010-1(i)	4/1/2018

Standards Upcoming Enforcement/Effective Dates – 7/1/2018

Standard/Requirement	Enforcement Date
MOD-025-2 R1, R2, R3	80% by 7/1/2018
MOD-026-1 R2	30% by 7/1/2018
MOD-027-1 R2	30% by 7/1/2018
PRC-019-2 R1, R2	80% by 7/1/2018
PRC-024-2	80% by 7/1/2018
TOP-001-4*	7/1/2018
TPL-007-1 R2	7/1/2018

* The initial test of primary Control Center data exchange capabilities specified in Requirements R21 and R24 must be completed within 90 calendar days of the effective date of TOP-001-4.

IRO-002-5 Initial Performance

Effective Date – 10/1/2017

Requirement	Initial Performance Verbiage	Initial Performance by
R3	The initial test of primary Control Center data exchange capabilities specified in Requirement R3 must be completed within 90 calendar days of the effective date of IRO-002-5.	12/30/2017

IRO-002-5 Implementation Plan

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MOD-025-2 Implementation Plan Dates

Effective Date:	1st day of first calendar quarter 2 years following regulatory approval		7/1/2016	
R1, R2, R3				
40% Compliant by		60% Compliant by	80% Compliant by	100% Compliant by
2 years	7/1/2016	3 years	7/1/2017	4 years	7/1/2018	5 years	7/1/2019

MOD-025-2 Implementation Plan

MOD-026-1, MOD-027-1 Implementation Plan Dates

R1, R3, R4, R5, R6	Compliant by	12 months following regulatory approval	7/1/2014
R2			
30% Compliant by		50% Compliant by	100% Compliant by
4 years	7/1/2018	6 years	7/1/2020	10 years	7/1/2024

MOD-026-1 Implementation Plan
MOD-027-1 Implementation Plan

PRC-005-6 Implementation Dates

- **Implementation Plan**
- **Implementation Plan – Calendar View**
- **Implementation Plan – Requirements View**

PRC-019-2 Implementation Dates

Effective Date:	1st day of first calendar quarter 2 years following regulatory approval					7/1/2016
R1 and R2						
40% Compliant by		60% Compliant by		80% Compliant by	100% Compliant by	
2 years	7/1/2016	3 years	7/1/2017	4 years	7/1/2018	5 years	7/1/2019

NOTE: PRC-019-1 retires before becoming enforceable, however, the implementation plan supports PRC-019-2. All aspects of the Implementation Plan for PRC-019-1 will remain applicable to PRC-019-2 and are incorporated here by reference.

PRC-019-1 Implementation Plan
PRC-019-2 Implementation Plan

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PRC-024-2 Implementation Dates

Effective Date:		1st day of first calendar quarter 2 years following regulatory approval				7/1/2016
R1, R2, R3, and R4						
40% Compliant by		60% Compliant by		80% Compliant by	100% Compliant by	
2 years	7/1/2016	3 years	7/1/2017	4 years	7/1/2018	5 years	7/1/2019

NOTE: PRC-024-1 retires before becoming enforceable, however, the implementation plan supports PRC-024-2

PRC-024-1 Implementation Plan
PRC-024-2 Implementation Plan

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TOP-001-4 Initial Performance

Effective Date – 7/1/2018

Requirement	Initial Performance Verbiage	Initial Performance by
R21	The initial test of primary Control Center data exchange capabilities specified in Requirements R21 and R24 must be completed within 90 calendar days of the effective date of TOP-001-4.	9/29/2018
R24	The initial test of primary Control Center data exchange capabilities specified in Requirements R21 and R24 must be completed within 90 calendar days of the effective date of TOP-001-4.	9/29/2018

TOP-001-4 Implementation Plan

TPL-007-1 Effective Dates

R1	Compliant by	6 months following regulatory approval	7/1/2017
R2	Compliant by	18 months following regulatory approval	**7/1/2018**
R5	Compliant by	24 months following regulatory approval	1/1/2019
R6	Compliant by	48 months following regulatory approval	1/1/2021
R3, R4, R7	Compliant by	60 months following regulatory approval	1/1/2022

TPL-007-1 Implementation Plan

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CIP Implementation Plans

- **CIP v5v6 Standards Enforcement Date = 7/1/2016**
- **Some requirements have an initial performance requirement in accordance with the Implementation Plan for Version 5 CIP Cyber Security Standards dated October 26, 2012.**

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CIP-003-6 Implementation Plan Dates

Effective Date:	1st day of first calendar quarter after the effective date of the order	7/1/2016
All req. with exceptions listed below	Compliant by	7/1/2016
R1.2	Compliant by	4/1/2017
R2	Compliant by	4/1/2017
R2 Attachment 1, section 1	Compliant by	4/1/2017
R2 Attachment 1, section2	Compliant by	9/1/2018
R2 Attachment 1, section 3	Compliant by	9/1/2018
R2 Attachment 1, section 4	Compliant by	4/1/2017

CIP-004-6 Initial Performance Dates

Standard Requirement	Initial Performance by	Notes
CIP-004-6 Part 2.3	7/1/2017	Initial performance for this Part is required by July 1, 2017 (i.e., within 12 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-004-6 Part 3.5	7/1/16 (or within 7 years of the previous PRA)	Initial performance of this part is required within 7 years after the last personnel risk assessment that was performed pursuant to a previous version of the CIP Cyber Security Standards, per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-004-6 Part 4.2	10/1/2016	Initial performance for this Part is required by October 1, 2016 (i.e., within 3 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-004-6 Part 4.3	7/1/2017	Initial performance for this Part is required by July 1, 2017 (i.e., within 12 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-004-6 Part 4.4	7/1/2017	Initial performance for this Part is required by July 1, 2017 (i.e., within 12 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.

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CIP-006-6 Initial Performance Dates

Standard Requirement	Initial Performance by	Notes
CIP-006-6 Part 1.10	7/1/2016 (or 4/1/2017 for new high and medium impact BCS)	For new high or medium impact BES Cyber Systems at Control Centers identified by CIP-002-5.1 which were not identified as Critical Cyber Assets in CIP Version 3, the compliance date for this Part is April 1, 2017, per the Implementation Plan for CIP Version 5 Revisions dated January 23, 2015.
CIP-006-6 Part 3.1	7/1/2017	Initial performance for this Part is required by July 1, 2017 (i.e., within 12 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.

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CIP-007-6 Initial Performance Dates

Standard Requirement	Initial Performance by	Notes
CIP-007-6 Part 1.2	7/1/2016 (or 4/1/2017)	The compliance date for CIP-007-6, Requirement R1, Part 1.2 that apply to PCAs and nonprogrammable communication components located inside a PSP and inside an ESP and associated with high and medium impact BES Cyber Systems is April 1, 2017, per the Implementation Plan for CIP Version 5 Revisions dated January 23, 2015.
CIP-007-6 Part 4.4	7/15/2016	Initial performance for this Part is required by July 15, 2016 (i.e., within 14 calendar days after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.

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CIP-008-5 Initial Performance Dates

Standard Requirement	Initial Performance by	Notes
CIP-008-5 Part 2.1	7/1/2017	Initial performance for this Part is required by July 1, 2017 (i.e., within 12 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012.

CIP-009-6 Initial Performance Dates

Standard Requirement	Initial Performance by	Notes
CIP-009-6 Part 2.1	7/1/2017	Initial performance for this Part is required by July 1, 2017 (i.e., within 12 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-009-6 Part 2.2	7/1/2017	Initial performance for this Part is required by July 1, 2017 (i.e., within 12 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-009-6 Part 2.3	7/1/2018	Initial performance for this Part is required by July 1, 2018 (i.e., within 24 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.

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CIP-010-2 Initial Performance Dates

Standard Requirement	Initial Performance by	Notes
CIP-010-2 Part 2.1	8/5/2016	Initial performance for this Part is required by August 5, 2016 (i.e., within 35 calendar days after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-010-2 Part 3.1	7/1/2017	Initial performance for this Part is required by July 1, 2017 (i.e., within 12 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-010-2 Parts 3.2.1 and 3.2.2	7/1/2018	Initial performance for this Part is required by July 1, 2018 (i.e., within 24 calendar months after July 1, 2016), per the Implementation Plan for Version 5 CIP Cyber Security Standards, dated October 26, 2012 and incorporated by reference into the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-010-2 R4	4/1/2017	The compliance date for CIP-010-2, R4 and its attachment is April 1, 2017, per the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-010-2 Att.1 Sec. 1	4/1/2017	The compliance date for CIP-010-2, R4 and its attachment is April 1, 2017, per the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-010-2 Att. 1 Sec. 2	4/1/2017	The compliance date for CIP-010-2, R4 and its attachment is April 1, 2017, per the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.
CIP-010-2 Att. 1 Sec. 3	4/1/2017	The compliance date for CIP-010-2, R4 and its attachment is April 1, 2017, per the Implementation Plan for CIP Version 5 Revisions, dated January 23, 2015.

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CIP-014-2 Implementation Dates

Event	Implementation	NLT Date	Total Days
R1 Risk Assessment	Effective Date	10/1/2015	Day 0
R2 Verification	Effective + 90	12/30/2015	Day 90
R2.3 Modifications	Day 90 + 60	2/28/2016	Day 150
R3 Control Centers	R2 + 7	3/6/2016	Day 157
R4 Threat Assessment	R2 + 120	6/27/2016	Day 270
R5 Security Plan	R2 + 120	6/27/2016	Day 270
R6 Verification	R5 + 90	9/25/2016	Day 360
R6.3 Modifications	Day 360 + 60	11/24/2016	Day 420

Resources

- NERC Standards Webpage
    - One Stop Shop Spreadsheet
    - Reliability Standards
    - U.S. Enforcement Dates
    - Functional Applicability Spreadsheet
    - Balloting and Commenting

- CIP V5 Transition Program
    - CIP Version 5 Effective Dates Spreadsheet

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Questions

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