

CIP Version 5 Curriculum

Updated: July 1, 2016

100 – Standard-Specific Training & Information			
Standard	Resource Title and Link	Owner	Date
<u>CIP-002-5.1</u> BES Cyber System Categorization	CIP Version 5 Compliance for Low Impact BES Cyber Systems: Slides (pp. 54–66)	NPCC	November 2015
	CIP-002-5.1 – BES Cyber System Categorization – Audit Approach: Slides	RF	October 2015
	CIP-002-5.1 – Additional Consideration: Slides	WECC	October 2015
	CIP-002-5.1 – A Mock Audit: Slides	WECC	September 2015
	CIP-002-5.1 – Medley: Slides	WECC	September 2015
	Grouping BES Cyber Systems: Slides (bookmark 4)	SPP RE	June 2015
	Identifying BES Cyber Systems: Slides (bookmark 3)	SPP RE	June 2015
	Low Impact BES Cyber Systems: Slides (pp. 21–64)	NERC	April 2015
	BES Cyber Systems Grouping: Slides	NERC	April 2015
	CIP-002-5.1 – BES Cyber System Categorization: Slides	NPCC	March 2015
	Low Impact BES Cyber Systems: Slides	NERC	February 2015
	CIP-002-5.1: Slides	SERC	February 2015
	CIP Version 5 Tabletop Exercise: Identification of BCS: Slides	MRO	February 2015
	Identifying Low Impact BES Assets: Slides	WECC	February 2015

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	Compliance Approach for CIP-002-5.1: Newsletter Article (p. 11)	RF	January 2015
	Standard Application Guide: CIP-002-5.1: PDF	MRO	January 2015
	CIP-002-5.1, R1: Slides Recording	RF	October 2014
	Identifying BES Cyber Systems: Zip File	SPP RE	October 2014
	CIP-002-5.1: Slides	SERC	October 2014
	CIP-002-3 to CIP-002-5.1 – Mock Audit: Slides	WECC	September 2014
CIP-003-6 Security Management Controls	CIP-003-7 – Security Management Controls: Slides (pp. 67–78)	NPCC	November 2015
	CIP-003-6 – Low Impact BES Cyber Systems: Slides	WECC	September 2015
	Low Impact Facilities/Assets and BES Cyber Systems: Slides (bookmark 9)	SPP RE	June 2015
	External Routable Connectivity: Slides (bookmark 8)	SPP RE	June 2015
	Transition to CIP-003-6: Slides	NPCC	March 2015
	Low Impact BES Cyber Systems: Slides	MRO	February 2015
	CIP-003, R2 – Low Impact Assets (LIA): Slides	SERC	February 2015
	CIP-003-7, R2 – Low Impact Assets (LIA) Update: Slides	WECC	January 2015
	CIP-003-6, R2 – Low Impact Assets (LIA): Slides	WECC	September 2014
CIP-003-5 – Security Management Controls: Slides	WECC	September 2014	
CIP-004-6	CIP-004-6 – Personnel & Training: Slides	WECC	September 2015

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Standard	Resource Title and Link	Owner	Date
Personnel & Training	CIP-004-5 – Highlights: Slides	NPCC	March 2015
CIP-005-5 Electronic Security Perimeter(s)	CIP-005-5 – Electronic Security Perimeter(s) – Audit Approach: Slides	RF	October 2015
	CIP-005-5 – Additional Considerations: Slides	WECC	September 2015
	CIP-005-5 – Audit Approach, ESP Diagrams, and Industry Best Practices Overview: Slides	WECC	September 2015
	Managing Interactive Remote Access: Slides (bookmark 7)	SPP RE	June 2015
	Compliance Approach for CIP-005-5, R1: Newsletter Article (p. 8)	RF	April 2015
	CIP-005-5: Slides	NPCC	March 2015
	Notable Changes to NERC Reliability Standard CIP-005-5 – Electronic Security Perimeter(s): Slides	MRO	February 2015
	CIP-005-5 – Lessons Learned: Slides	WECC	January 2015
	CIP-005-5 – Coming to an ESP near you: Slides	SERC	October 2014
	CIP-005-5: Slides Recording	RF	October 2014
CIP-006-6 Physical Security of BES Cyber Systems	CIP-014 – Physical Security Issues: Slides	WECC	October 2015
	CIP-006 – Version 5: Slides	WECC	September 2015
	CIP-006-5 Highlights – Physical Security of BES Cyber Systems: Slides	NPCC	April 2015

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Standard	Resource Title and Link	Owner	Date
	CIP-006 – Version 5: Slides	SERC	October 2014
	CIP-006: Slides Recording	RF	October 2014
	CIP-006-5: Slides	WECC	September 2014
	CIP-006 Version 3 to CIP-006 Version 5 Transition Overview: Slides	WECC	May 2014
CIP-007-6 System Security Management	CIP-007-6 – Systems Security Management – Audit Approach: Slides	RF	October 2015
	CIP-007-6, R2 – Proposed Patch Management Program: Slides Flow Chart	MRO	September 2015
	CIP-007-6: Slides	WECC	September 2015
	Patching: Slides	NERC	July 2015
	CIP 007-5 – Transition to Version 5: Slides	NPCC	March 2015
	Notable Changes to NERC Reliability Standard CIP-007-7 – System Security Management: Slides	MRO	February 2015
	CIP-007-7 – Systems and Security Management Best Practices: Slides	WECC	January 2015
	CIP 101 – CIP-007-6: Slides	WECC	September 2014
CIP-008-5 Incident Reporting and Response Planning	Transition to CIP-008-5: Slides	NPCC	March 2015
	CIP-008-5, CIP-009-5, and TFEs: Slides	WECC	September 2014
CIP-009-6 Recovery Plans for BES Cyber Systems	CIP-008-5, CIP-009-6, and TFEs: Slides	WECC	September 2015

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	CIP-009-5 – Recovery Plans for BES Cyber Systems: Slides	NPCC	March 2015
	CIP-009-6 – Recovery Plans for BES Cyber Systems: Slides	RF	January 2015
	CIP-008-5, CIP-009-5, and TFEs: Slides	WECC	September 2014
CIP-010-2 Configuration Change Management and Vulnerability Assessments	Introduction to CIP-010-2: Slides	WECC	October 2015
	CIP-010-2: Slides	WECC	September 2015
	Transient Cyber Assets & Removable Media: Slides (bookmark 11)	SPP RE	June 2015
	CIP-010-2 – Configuration Management and Vulnerability Assessment: Slides	NPCC	March 2015
	Notable Changes to NERC Reliability Standard CIP-010-3 – Cyber Security – Configuration Change Management and Vulnerability Assessments: Slides	MRO	February 2015
	CIP-010-5 – Configuration Change Management and Vulnerability Assessments: Slides	SERC	October 2014
	CIP-010: Slides Recording	RF	October 2014
	CIP-010-2: Slides	WECC	September 2014
	CIP-010-1, R1 and R2 – Configuration Change Management: Recording	SPP RE	June 2014
CIP-011-2	CIP-011-2: Slides	WECC	September 2015

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Cyber Security - Information Protection	CIP-011-2 – Information Protection: Slides	NPCC	March 2015
	CIP-011-2 – Information Protection: Slides	RF	February 2015
	CIP-011-1: Slides	WECC	September 2014
CIP-014-2 Physical Security	NPCC CIP-014 – Outreach Program: Slides (pp. 115–130)	NPCC	November 2015
	CIP-014, R6 – ERO Approval Criteria: Slides (pp. 2–4)	NPCC	November 2015
	CIP-014 – Physical Security Reliability Standard Implementation: Slides	RF	October 2015
	CIP-014 – Physical Security Issues: Slides	WECC	October 2015
	CIP-014-2 – Physical Security: Slides	WECC	September 2015
	Electric Utility Sector Physical Threats (DBT) & Response Planning: Slides	MRO	September 2015
	NERC’s Petition to FERC for Approval of Proposed Reliability Standard CIP-014-2: Filing	NERC	May 2015
	CIP-014-1 – Physical Security Update: Slides	SERC	April 2015
	CIP-014-X – Update: Slides	RF	April 2015
	CIP-014 – Physical Security: What We Know So Far: Slides	NPCC	March 2015
	Physical Security Standard Implementation: Web Page	NERC	February 2015
CIP-014 – Risk Assessment and Third-Party Verifications: PDF	NERC	February 2015	

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Standard	Resource Title and Link	Owner	Date
	Physical Security Reliability Standard Implementation: Slides	NERC	February 2015
	CIP-014-1 – Update and Implementation: Slides	WECC	January 2015
	CIP-014-1 – Physical Security: Slides	Texas RE	October 2014
	CIP-014 – Next Steps from an Auditor’s Perspective: Slides	WECC	October 2014
	CIP-014-1 – An Overview: Slides	WECC	October 2014
	CIP-014-1 – Terrain Analysis and Surveillance Detection: Slides	WECC	September 2014

200 – Compliance and Enforcement Considerations

Resource Title and Link	Owner	Date
CIP Version 5 Implementation Plan Dates: PDF	NERC	April 2016
FERC’s Recent Reliability Initiatives and Activities: Slides	SERC	March 2016
Internal Risk Assessment and Internal Controls: Slides	SERC	March 2016
CIP Version 5 Evidence Request: Slides	SERC	March 2016
Auditing Low Impact BES Cyber Systems: Slides	NERC	March 2016
CIP Version 5 Audit Observations: Slides	RF	March 2016
CIP Self-Reports and IRA/ICE Basics: Slides	SERC	March 2016
Audit Preparation and Expectations: Slides	SPP-RE	March 2016
CIP Version 5 Evidence Request: Slides	SERC	March 2016
NERC CIP – Cyber Security Compliance: Slides	SERC	March 2016
Collecting and Presenting Evidence: Article (p. 5)	RF	January 2016
CIP Version 5 Audit Expectations: Slides (pp. 133–171)	NPCC	November 2015

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Resource Title and Link	Owner	Date
Flexibility Built into the CIP Version 5 Standards and Audit Processes: Article (p. 6)	RF	October 2015
CIP Version 5 RSAWs and Evidence: Slides	RF	October 2015
2016 CIP Monitoring Preview: Slides	RF	October 2015
CIP Version 5 Additional Considerations: Slides	WECC	October 2015
CIP Version 5 Transition Project Survey: Slides	WECC	October 2015
Low Impact Case Study: Slides	WECC	October 2015
IRA Risk Factors Update for CIP: Slides	WECC	October 2015
CIP Audit Focus 2016 Implementation: Slides	WECC	October 2015
CIP-005-5 – Audit Approach, ESP Diagrams, and Industry Best Practices Overview: Slides	WECC	September 2015
CIP-002-5.1 – A Mock Audit: Slides	WECC	September 2015
CIP Version 5 – Preparing for Audit: Video	RF	June 2015
CIP Version 5 RSAWs: Article (p. 11)	RF	June 2015
CIP Version 5 RSAWs and Evidence: Slides (bookmark 2)	SPP RE	June 2015
CIP Workshop Questions & Answers: PDF	Texas RE	May 2015
Risk-Based CMEP Activities and Version 5 Examples: Slides	NERC	April 2015
CIP Version 5 Update: Slides	SERC	April 2015
CIP Update: Slides	SPP RE	March 2015
Version 3 to Version 5 Transition Mapping: Spreadsheet	WECC	December 2014
Moving Towards CIP Version 5 Compliance: Slides	SERC	October 2014
Application of Risk-based CMEP Concepts for CIP Version 5: PDF	NERC	October 2014
Enforcement Approach to CIP Version 5 under RAI: Slides	NERC	March 2014

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Resource Title and Link	Owner	Date
Implementation Plan for Version 5 CIP Cyber Security Standards: PDF	NERC	October 2012

300 – Lessons Learned, Guidance, and FAQs

Resource Title and Link	Owner	Date
Project 2016-02 – Modifications to CIP Standards: Web Page	NERC	ongoing
FERC Technical Conference – Supply Chain Risk Management: Slides	SERC	March 2016
Implementation Study and VTAG Experiences: Slides	SERC	March 2016
Transmission Owner Designation: Medium or Low?: Slides	SERC	March 2016
Project 2016-02 – CIP Standards Revisions: Standard Drafting Team Update: Slides	SERC	March 2016
Cyber Security Standards: Version 5 Revisions: Slides	NERC	March 2016
FERC Technical Conference: Supply Chain Risk Management: Slides	SERC	March 2016
Industry Webinar: Future Critical Infrastructure Protection Standards Development: Slides Recording	NERC	January 2016
Low Impact BES Cyber Systems: Slides	SPP RE	December 2015
Hitchhiker’s Guide to CIP Version 5: Chapter 4: Slides	Texas RE	December 2015
Hitchhiker’s Guide to CIP Version 5: Chapter 3: Slides	Texas RE	November 2015
Lesson Learned – Vendor Access Management: PDF	NERC	November 2015
Lesson Learned – External Routable Connectivity: PDF	NERC	November 2015
NPCC CIP Version 5 Outreach Program Update: Slides (pp. 102–113)	NPCC	November 2015
Overview of the NERC CIP Version 5 Guidance Products: Slides (pp. 1–50)	NPCC	November 2015

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Resource Title and Link	Owner	Date
TFEs Under Version 5: Slides (pp. 80–100)	NPCC	November 2015
Data Breach Awareness: Article (p. 16)	MRO	November 2015
Compliance Monitoring and Enforcement Approach to CIP Version 5: Slides	MRO	November 2015
Lesson Learned – Generation Interconnection: PDF	NERC	October 2015
Lesson Learned – Communications Networking: PDF	NERC	October 2015
Frequently Asked Questions – CIP Version 5 Standards: PDF	NERC	October 2015
CIP Version 5 TFE: Slides	WECC	October 2015
CIP Version 5 Low Impact BES Cyber Systems – Update: Slides	RF	October 2015
CIP Version 5 Transition & Audit Lessons Learned: Slides	RF	October 2015
Cybersecurity Education: Being Better than “Best Practices:” Slides	WECC	October 2015
Hitchhiker’s Guide to CIP Version 5 – Chapter 2: Slides	Texas RE	September 2015
Lesson Learned – Mixed Trust EACMS Authentication: PDF	NERC	September 2015
Lesson Learned – Grouping of BES Cyber Systems: PDF	NERC	September 2015
CIP Version 5 Transition: Slides	WECC	September 2015
CIP-008-5, CIP-009-6, and TFEs: Slides	WECC	September 2015
Hitchhiker’s Guide to CIP Version 5 – Chapter 1: Slides	Texas RE	August 2015
Notice of Proposed Rulemaking (NOPR): PDF	FERC	July 2015
CIP Version 5 Standards: Requirements: Slides	NERC	July 2015
Cyber Security Standard Update – Version 5 with Revisions: Slides	NERC	July 2015
CIP Version 5 Transition – Program Update: Slides	NERC	July 2015
Cyber Security Standards – Version 5 Revisions: Slides	NERC	July 2015
CIP Version 5 & Technical Feasibility Exceptions: Slides (bookmark 10)	NERC	June 2015

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Resource Title and Link	Owner	Date
Virtualization and CIP Compliance: Slides (bookmark 6)	SPP RE	June 2015
CIP Version 5 Transition Program: Lessons Learned & FAQs: Slides (bookmark 5)	NERC	June 2015
Categorization and Protection of Network Devices and Externally Accessible Devices: Memo	NERC	April 2015
CIP Version 5 Workshop: Recording	NERC	April 2015
CIP Version 5 Transition Program Update: Slides (pp. 1–20)	NERC	April 2015
Results of CIP Version 5 Pilot Program – Dayton Power & Light: Slides (pp. 65–81)	NERC	April 2015
Appendix 4D – TFE Process Changes (webCDMS Revisions): Recording	MRO	March 2015
CIP Version 5 Workshop: Recording	NERC	March 2015
TFEs Under Version 5: Slides	NPCC	March 2015
CIP Compliance 101: Slides	SERC	February 2015
NERC Virtualization Summit: Recording	NERC	February 2015
CIP Version 5 Workshop: Recording	NERC	February 2015
Critical Infrastructure Protection 101: Slides	MRO	February 2015
CIP Version 3 to Version 5 Transition: Slides	MRO	February 2015
CIP Version 5 Lessons Learned and FAQs: Slides	MRO	February 2015
CIP Version 5 Pilot Study – Lessons Learned: Slides	WECC	January 2015
Lesson Learned: Impact Rating of Generation Resource Shared BES Cyber Systems: PDF	NERC	January 2015
Lesson Learned – Far-End Relay: PDF	NERC	January 2015
Technical Feasibility Exception – WebCDMS Updates: Slides	Texas RE	December 2014
Implementation Study Final Report: CIP Version 5 Transition Program: Report	NERC	October 2014

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CIP Version 5 Implementation Study: SMUD’s Experience: Slides	WECC	October 2014
CIP Version 5 Transition: Slides Recording	RF	October 2014
CIP Version 5 Implementation Plan: Slides	WECC	September 2014
CIP Version 5 Transition Guidance: Slides	NERC	September 2014
CIP Standards Version 5 in 15 Minutes or Less: Slides	SERC	September 2014
CIP Version 5 Transition Guidance: Slides	SPP RE	September 2014
CIP Building Blocks: Slides	WECC	September 2013
CIP Version 5 Applicability: Spreadsheet	SERC	November 2012