

Project 2008-06 - Cyber Security Order 706 - Version 5

Working Draft (September 11, 2012) of Mapping Document Showing Translation of CIP-002-4 to CIP-009-4 into CIP-002-5 to CIP-009-5, CIP-010-1, and CIP-011-1.

Standard: CIP-002-4 – Cyber Security—Critical Asset Identification		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-002-4 R1.	CIP-002-5 R1.1	Critical Asset Identification – Instead of identifying Critical Assets as in previous versions, the Responsible Entity must Identify Facilities, systems, or equipment that meet the criteria specified in CIP-002-5, Attachment 1.
CIP-002-4 R2.	CIP-002-5 R1.2, R1.3	Critical Cyber Asset Identification – Using the Facilities, Systems, or equipment identified in Requirement R1 Part 1.1 Impact Rating Criteria, the Responsible Entity must identify and categorize its BES Cyber Systems as high impact or medium impact. BES Cyber Systems not identified as high impact or medium impact default to low impact. New standard identifies BES Cyber Systems as a grouping of BES Cyber Assets because it allows entities to apply some requirements at a system rather than asset level.

Standard: CIP-002-4 – Cyber Security—Critical Asset Identification		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-002-4 R2.	DELETED	Routable protocol exemption – A complete exemption of Cyber Assets based on communication characteristics no longer applies. This is because the vulnerability some security requirements address is not mitigated by the lack of routable protocols (e.g., training, response, recovery, etc.) Where the lack of routable protocols itself meets the requirement objective, the exemption is applied at the requirement level.
CIP-002-4 R3.	CIP-002-5 R2, R2.1, R2.2	Annual Approval – R2.1 states that the review must be at least once every 15 calendar months. However, the CIP Sr. Manager now approves identifications required in CIP-002-5 R1 as noted above.

Standard: CIP-003-4 – Cyber Security—Security Management Controls		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-003-4 R1.	CIP-003-5 R1, 1.1 through 1.9	Cyber Security Policy – Includes high impact and medium impact BES Cyber Systems. A separate requirement applies to low impact BES Cyber Systems. Clarified that the cyber security policy needs to only reference the subject matter topics at a high level rather than each individual requirement in the CIP Cyber Security Standards.
CIP-003-4 R1.1.	CIP-003-5 R 1.9	Provision for emergency situations – Identified the specific exceptional circumstances in which emergency exceptions can be taken in response to the directive in FERC Order No. 706, Paragraph 443.
NEW	CIP-003-5 R2	Cyber Security Policy for BES Cyber Systems not identified as high or medium impact (low impact). Clarified programmatic controls that apply to low impact BES Cyber Systems and that discrete identification of such systems is not required. Added that the CIP Senior Manager approve the policies at least once every 15 calendar months.
CIP-003-4 R1.2.	DELETED	The Cyber Security Policy is readily available –This was in response to general confusion around the term “readily available.” Training requirements in CIP-004-5 provide for knowledge of policy.
CIP-003-4 R1.3.	CIP-003-5 R1	The review and approval by the CIP Senior Manager at least once every 15 calendar months language has been added to R1.
CIP-003-4 R2.	CIP-003-5 R3	Single senior manager – Created a definition of CIP Senior Manager to facilitate references across standards.

Standard: CIP-003-4 – Cyber Security—Security Management Controls		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-003-4 R2.1.	CIP-003-5 R3	The CIP Senior Manager shall be identified by name, title, and date of designation – The CIP Senior Manager only needs to be identified by name. The other details were considered unnecessary, administrative requirements.
CIP-003-4 R2.2.	CIP-003-5 R3	Changes to the CIP Senior Manager and any delegations must be documented within 30 calendar days of the change.
CIP-003-4 R2.3.	CIP-003-5 R4	Delegate authority – Made clear that where allowed by the standards, the CIP Senior Manager may delegate authority and such delegations must be documented. Added that the Responsible Entity shall implement, in a manner that identifies, assesses, and corrects deficiencies, a process to delegate actions, unless no delegations are used.
CIP-003-4 R2.4.	DELETED	Authorize and document any exception – The FERC Order No. 706 made clear that you could not take exceptions to the policy. As a result, it did not achieve a reliability objective to require individuals to maintain documentation about exceptions to their policy outside of the standards.
CIP-003-4 R3.	DELETED	Exceptions – The FERC Order No. 706 made clear that you could not take exceptions to areas of your Cyber Security Policy that were also required as part of other NERC CIP requirements. As a result, it did not achieve a reliability objective to require individuals to maintain documentation about exceptions to their policy outside of the standards.

Standard: CIP-003-4 – Cyber Security—Security Management Controls		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-003-4 R3.1.	DELETED	Exceptions - Requirement R3 is deleted.
CIP-003-4 R3.2.	DELETED	Exceptions - Requirement R3 is deleted.
CIP-003-4 R3.3.	DELETED	Exceptions - Requirement R3 is deleted.
CIP-003-4 R4.	CIP-011-1 R1, 1.1, 1.2	Information Protection - Removed language to “protect” information, and replaced with requirements for methods to identify BES Cyber System Information and procedures for handling BES Cyber System Information, including storage, transit, and use to clarify the protection that is required. Added language that the entity implements its information protection programs in a manner that identifies, assesses, and corrects deficiencies.
CIP-003-4 R4.1.	Definition	Identification – Replaced this requirement with the defined term BES Cyber System Information.
CIP-003-4 R4.2.	CIP-011-5 R1.1	Classification – Removed the explicit requirement for classification, as there was no requirement to have multiple levels of protection. This modification does not prevent having multiple levels of classification, allowing more flexibility for entities to incorporate the CIP information protection program into their normal business.
CIP-003-4 R4.3.	CIP-011-5 R1.3	Assessment – No significant changes.

Standard: CIP-003-4 – Cyber Security—Security Management Controls		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-003-4 R5.	CIP-004-5 R4.4	Authorize personnel for access to protected information – Clarified: “Program for managing access” included the authorization of access, as well as handling and access control procedures. Grouped requirements for electronic access, physical access, and access to BES Cyber System Information in CIP 004-5 R4. Added language that the entity implements its documented access management programs in a manner that identifies, assesses, and corrects deficiencies.
CIP-003-4 R5.1.	CIP-004-5 R4.1	Authorizing personnel.
CIP-003-4 R5.1.1.	CIP-004-5 R4.1	Have a process to authorize, which could include identifying specific personnel to authorize access.
CIP-003-4 R5.1.2.	CIP-004-5 R4.3, R4.4	Verification.
CIP-003-4 R5.2.	CIP-004-5 R4.3, R4.4	Verify access privileges – Moved requirement to ensure consistency among access reviews. Clarified precise meaning in the term “annual”. Clarified what was necessary in performing verification by stating the objective was to confirm access privileges are correct and the minimum necessary for performing assigned work functions.
CIP-003-4 R5.3.	CIP-004-5 R4.3, R4.4	Annual Review – No significant changes.

Standard: CIP-003-4 – Cyber Security—Security Management Controls		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-003-4 R6.	CIP-010-1 R1, R2	Change Control and Configuration Management – Moved configuration change management to a separate standard because of the additional requirements necessary for satisfying FERC directives, and the subject matter in CIP version 4 is spread across CIP-003-4 and CIP-007-4. The baseline requirement is incorporated from the <i>DHS Catalog for Control Systems Security</i> . The baseline requirement is also an attempt to clarify precisely when the change management process must be invoked and which elements of the configuration must be managed. Added requirement to explicitly authorize changes. This requirement was previously implied by CIP-003-4 R6. Added language that the entity implements its documented processes in a manner that identifies, assesses, and corrects deficiencies.

Standard: CIP-004-4 – Cyber Security—Personnel & Training		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-004-4 R1.	CIP-004-5 R1, 1.1	Security awareness program and quarterly reinforcement - Changed to remove the need to ensure everyone with authorized access receive this material, and moved example mechanisms to guidance.
CIP-004-4 R2.	CIP-004-5 R2	Training - Addition of identifying the training content. Adding content for the visitor control program and storage as part of the handling of BES Cyber Systems information. Also added the FERC Order No. 706, directed electronic interconnectivity supporting the operation and control of BES Cyber Systems. This requirement is also reorganized into the respective requirements for “program” and “implementation” of the training. Added language that the entity implements its documented programs in a manner that identifies, assesses, and corrects deficiencies.
CIP-004-4 R2.1.	CIP-004-5 R2.2	Training prior to authorized access – No significant changes.
CIP-004-4 R2.2.	CIP-004-5 R2.1.1-2.1.9	Training subject matter – This requirement is reorganized into the respective requirements for “program” and “implementation” of the training.
CIP-004-4 R2.2.1.	CIP-004-5 R2.1	Proper use of CCAs – Changed to refer to BES Cyber Systems. Requirement now addresses cyber security issues, not the business or functional use of the BES Cyber System.
CIP-004-4 R2.2.2.	CIP-004-5 R2.1	Physical and electronic access controls training – No significant changes. Refers to BES Cyber Systems.
CIP-004-4 R2.2.3.	CIP-004-5 R2.1	Information handling training – Core training added for the handling of BES Cyber System Information, with the addition of storage media.

Standard: CIP-004-4 – Cyber Security—Personnel & Training		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-004-4 R2.2.4.	CIP-004-5 R2.1, R2.1.1-R2.1.9	Incident identification and notification, incident handling and CCA recovery training – Core training on the action plans and procedures to recover or re-establish BES Cyber Systems for individuals having a role in the recovery to address FERC Order No. 706, Paragraph 413.
CIP-004-4 R2.3.	CIP-004-5 R2.3	Annual training – Replaced “Annually” with “at least once every 15 calendar months.”
CIP-004-4 R3.	CIP-004-5 R3	Personnel Risk Assessment –. Added language that the entity implements its documented programs in a manner that identifies, assesses, and corrects deficiencies.
CIP-004-4 R3.1.	CIP-004-5 R3.1, 3.2.1, 3.2.2	Identification and 7-year criminal check – Addressed interpretation request in guidance. Specified that identity verification is only required for each individual’s initial assessment. Specified that the 7-year criminal history check covers all locations where the individual has resided, been employed, and/or attended school for 6 consecutive months or more, including current residence, regardless of duration. Added additional wording based on interpretation request. Provision is made for when a full 7-year check cannot be performed.
CIP-004-4 R3.2.	CIP-004-5 R3.5	Perform the PRA every 7 years– Removed the “for cause” part of the requirement.
CIP-004-4 R3.3.	CIP-004-5 R3.4	Addresses the contractor or vendor performed PRA.
NEW	CIP-004-5 R3.3	Process to evaluate criminal history records checks for authorizing access.

Standard: CIP-004-4 – Cyber Security—Personnel & Training		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-004-4 R4.	CIP-004-5 R4.1, 4.3	Authorize access - CIP-003-4, CIP-004-4 CIP-006-4, and CIP-007-4 all reference authorization of access in some form, and CIP-003-4 and CIP-007-4 require authorization on a “need-to-know” basis, or with respect to work functions performed. These were consolidated to ensure consistency in the requirement language.
CIP-004-4 R4.1.	CIP-004-5 R4.2	Quarterly review of access – Feedback among team members, observers, and regional CIP auditors indicates there has been confusion in implementation around what the term “review” entailed in CIP-004-4 R4.1. This requirement clarifies the review should occur between the provisioned access and authorized access.
CIP-004-4 R4.2.	CIP-004-5 R5	Prevent further access - The FERC Order No. 706, Paragraphs 460 and 461, directs modifications to the standards to require immediate revocation for any person no longer needing access. To address this directive, this requirement specifies revocation concurrent with the termination, instead of within 24 hours. For transfers, the SDT determined the date a person no longer needs access after a transfer was problematic because the need may change over time. As a result, the SDT adapted this requirement from NIST 800-53, Version 3 to review access authorizations on the date of the transfer. The SDT felt this was a more effective control in accomplishing the objective to prevent a person from accumulating unnecessary authorizations through transfers.
NEW	CIP-004-5 R2.1	Added to help facilitate understanding what roles the entity has to support the role-based training program.

Standard: CIP-004-4 – Cyber Security—Personnel & Training		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
NEW	CIP-004-5 R2.1.4	Visitor control program training – Personnel administering the visitor control program and/or providing escort should be part of the core training per FERC Order No. 706, Paragraph 432.
NEW	CIP-004-5 R3.3	PRA failure criteria – Requires process or criteria to evaluate personnel risk assessments to determine when to deny authorized access.
NEW	CIP-004-5 R5.2	Transfers – The FERC Order No. 706, Paragraphs 460 and 461, directs modifications to the standards to require immediate revocation for any person no longer needing access, including transferred employees. In reviewing how to modify this requirement, the SDT determined the date a person no longer needs access after a transfer was problematic because the need may change over time. As a result, the SDT adapted this requirement from NIST 800-53, Version 3, to review access authorizations on the date of the transfer. The SDT felt this was a more effective control in accomplishing the objective to prevent a person from accumulating unnecessary authorizations through transfers.

Standard: CIP-004-4 – Cyber Security—Personnel & Training		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
NEW	CIP-004-5 R5.4	Completion of revocation – The FERC Order No. 706, Paragraphs 460 and 461, directs modifications to the standards to require immediate revocation for any person no longer needing access. In order to meet the immediate time frame, entities will likely have initial revocation procedures to prevent remote and physical access to the BES Cyber System. Some cases may take more time to coordinate access revocation on individual Cyber Assets and applications without affecting reliability. This requirement provides the additional time to review and complete the revocation process. Although the initial actions already prevent further access, this step provides additional assurance in the access revocation process.
NEW	CIP-004-5 R5.5	Completion of revocation (shared accounts) – To provide clarification of expected actions in managing the passwords

Standard: CIP-005-4a – Cyber Security—Electronic Security Perimeter(s)		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-005-4a R1.	CIP-005-5 R1.1	Electronic Security Perimeter identification – Changes include referencing the defined terms Electronic Access Point and BES Cyber System.
CIP-005-4a R1.1.	Definition	Access Points – This was moved to the definition of Electronic Access Points.
CIP-005-4a R1.2.	Guidance	Dial-up accessible CCA – This is a clarifying statement that was moved to Guidance.
CIP-005-4a R1.3.	Guidance	Communication links between ESPs – This is a clarifying statement that was moved to Guidance.
CIP-005-4a R1.4.	Applicability	Applicability for Non-Critical Cyber Asset – To remove any cross referencing, these Cyber Assets are now included in the Applicability column for each cyber security requirement.
CIP-005-4a R1.5.	Applicability	Access control and monitoring Cyber Assets – To remove any cross referencing, these Cyber Assets are now included in the Applicability column for each cyber security requirement.
CIP-005-4a R1.6.	Measures	Maintain Documentation – This is a measure for the requirement to have ESP documentation.
CIP-005-4a R2.	CIP-005-5 R1	Electronic Access Controls – No significant changes.
CIP-005-4a R2.1.	CIP-005-5 R1.2, 1.3	Deny access by default - Changes include referring to the defined term Electronic Access Point, and to focus on the entity knowing and having justification for what it allows through the EAP. R1.3 explicitly states the network admission control includes both inbound and outbound connections.

Standard: CIP-005-4a – Cyber Security—Electronic Security Perimeter(s)		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-005-4a R2.2.	CIP-007-5 R1.1, 1.2	Enable specific ports/services – Consolidated port hardening requirements to CIP-007.
CIP-005-4a R2.3.	CIP-005-5 R1.4	Secure dial-up – Changed to refer to the defined term Electronic Access Point. Added clarification as to the goal of “secure,” which is that the BES Cyber System should not be directly accessible with a phone number only.
CIP-005-4a R2.4.	CIP-005-5 R2,2.3	Strong access control – Added a new requirement for remote access in response to increased vulnerabilities in VPN technology. This requirement also clarified strong access control meant multi-factor (or more) authentication.
CIP-005-4a R2.5.	Measures	Example of evidence requirements are considered as part of the measure.
CIP-005-4a R2.5.1.	CIP-004-5 R4	The processes for access request and authorization – Consolidated with other similar requirements to CIP-004-5 R4.
CIP-005-4a R2.5.2.	Measures	The authentication methods – Example of evidence requirements are considered as part of the measure.
CIP-005-4a R2.5.3.	Measures	The review process for authorization rights, in accordance with Standard CIP-004-3 Requirement R4. Example of evidence requirements are considered as part of the measure.
CIP-005-4a R2.5.4.	Measures	The controls used to secure dial-up accessible connections. Example of evidence requirements are considered as part of the measure.

Standard: CIP-005-4a – Cyber Security—Electronic Security Perimeter(s)		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-005-4a R2.6.	DELETED	Appropriate Use Banner – The drafting team considered this requirement administrative. The objective of having an appropriate use banner is to prevent accidental use of the system and help allow prosecution of unauthorized individuals accessing the system. The drafting team did not consider either of these rising to the level of meeting a reliability objective.
CIP-005-4a R3.	CIP-007-5 R4, 4.1	Monitoring Electronic Access – Consolidated monitoring requirements to CIP-007-5 R4 to ensure consistent language across all monitoring requirements in the standards.
CIP-005-4a R3.1.	CIP-007-5 R4, 4.1	Dial-up Accessible – Removed specific references to dial-up devices. Incorporated into logging/monitoring requirements. The drafting team did not feel further referencing this technology was necessary.
CIP-005-4a R3.2.	CIP-007-5, R4, 4.2	Alerts – Consolidated monitoring requirements to CIP-007-5 R4 to ensure consistent language across all monitoring requirements in the standards.
CIP-005-4a R4.	CIP-010-1 R3	Cyber Vulnerability Assessment – Consolidated vulnerability assessment requirements to CIP-010-1 R3 to ensure consistent language across all vulnerability assessment requirements.
CIP-005-4a R4.1.	Measures	A document identifying the vulnerability assessment process – Example of evidence requirements are considered as part of the measure.

Standard: CIP-005-4a – Cyber Security—Electronic Security Perimeter(s)		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-005-4a R4.2.	CIP-010-1 R3.1, 3.2	A review to verify that only ports and services required for operations at these access points are enabled - Consolidated vulnerability assessment requirements to CIP-010-1 R3 to ensure consistent language across all vulnerability assessment requirements. As suggested in FERC Order No. 706, Paragraph 644, the details for what should be included in the assessment are left to Guidance.
CIP-005-4a R4.3.	CIP-010-1 R3.1, 3.2	The discovery of all access points to the Electronic Security Perimeter - Consolidated vulnerability assessment requirements to CIP-010-1 R3 to ensure consistent language across all vulnerability assessment requirements. As suggested in FERC Order No. 706, Paragraph 644, the details for what should be included in the assessment are left to Guidance.
CIP-005-4a R4.4.	CIP-010-1 R3.1, 3.2	A review of controls for default accounts, passwords, and network management community strings - Consolidated vulnerability assessment requirements to CIP-010-1 R3 to ensure consistent language across all vulnerability assessment requirements. As suggested in FERC Order No. 706, Paragraph 644, the details for what should be included in the assessment are left to Guidance.
CIP-005-4a R4.5.	CIP-010-1 R3.4	Mitigation plan - Consolidated vulnerability assessment requirements to CIP-010-1 R3 to ensure consistent language across all vulnerability assessment requirements. Added element to have an entity defined date of completion of the mitigation plan per FERC Order No. 706, Paragraph 643.

Standard: CIP-005-4a – Cyber Security—Electronic Security Perimeter(s)		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-005-4a R5.	DELETED	Documentation Review and Maintenance – The drafting team considered this requirement fully administrative and as part of the internal program to maintain compliance evidence.
CIP-005-4a R5.1.	DELETED	The drafting team considered this requirement fully administrative and as part of the internal program to maintain compliance evidence.
CIP-005-4a R5.2.	DELETED	The drafting team considered this requirement fully administrative and as part of the internal program to maintain compliance evidence.
CIP-005-4a R5.3.	CIP-007-5 R4.4	Retain relevant log information – Log retention requirements are consolidated to CIP-007-5 R4.
NEW	CIP-005-5 R1.5	Inspect and detect potential malicious communications – Per FERC Order No. 706, Paragraphs 496-503, ESPs need two distinct security measures such that the Cyber Assets do not lose all perimeter protection if one measure fails or is misconfigured. The order makes clear this is not simple redundancy of firewalls; thus the drafting team has decided to add the security measure of malicious traffic inspection (IDS/IPS) a requirement for these ESPs.
NEW	CIP-005-5 R2.1,2.2	Remote Access: intermediate device and encryption – This is a new requirement to continue the efforts of the Urgent Action team for Project 2010-15: Expedited Revisions to CIP-005-3.

Standard: CIP-006-4c – Cyber Security—Physical Security of Critical Cyber Assets		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-006-4c R1.	CIP-006-5 R1	Physical Security Plan – Removed the requirement for senior management approval of the physical security plan because there is already approval of the physical security policy and delegation of the task in complying for this program. Additional approval is not considered necessary to meeting the reliability objective of physical security for the BES Cyber System.
CIP-006-4c R1.1.	CIP-006-5 R1.2, 1.3	Physical Security Perimeter – For high impact BES Cyber Systems clarified that two or more different physical access controls (this does not require two completely independent physical access control systems) must be used to collectively allow unescorted physical access into Physical Security Perimeters.
CIP-006-4c R1.2.	DELETED	No longer requires identification of all physical access points.
CIP-006-4c R1.3.	CIP-006-5 R1.4, 1.5	Monitor physical access – A documented plan is required as part of CIP-006-5 R1 that references the new alerting term in Table Row 1.5. Examples of monitoring methods have been moved to the Guidelines and Technical Basis section.
CIP-006-4c R1.4.	CIP-004-5 R2.3	Appropriate use of access controls – The term “appropriate” used in prior versions is subject to a high degree of subjectivity. The training requirement specifies role-based training on physical access controls.
CIP-006-4c R1.5.	CIP-004-5 R4 and R5	Review of access authorization requests and revocation of access authorization requirements were consolidated to CIP-004-5.
CIP-006-4c R1.6.	CIP-006-5 R2	Visitor control program - A documented program is required as part of CIP-006-5 R2. Otherwise, no significant change.

Standard: CIP-006-4c – Cyber Security—Physical Security of Critical Cyber Assets		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-006-4c R1.6.1.	CIP-006-5 R2.2	Log entry and exit of visitors - Addressed multi entry requirements and added the point of contact of who can be considered the sponsor for the person to enter the DPB. There is no need to document the escort or handoffs between escorts.
CIP-006-4c R1.6.2.	CIP-006-5 R2.1	Continuous escorted access of visitors – No significant change.
CIP-006-4c R1.7.	DELETED	Update of the physical security plan - The drafting team considered this requirement fully administrative and as part of the internal program to maintain compliance evidence.
CIP-006-4c R1.8.	DELETED	Annual review of the physical security plan - The drafting team considered this requirement fully administrative and as part of the internal program to maintain compliance evidence.
CIP-006-4c R2.	Applicability	Protection of Physical Access Control Systems – Applicability to Physical Access Control and Monitoring Systems were moved to the Applicability section of each security requirement, and added this as a defined term in the glossary.
CIP-006-4c R2.1.	Applicability, CIP-006-5 R1.1	Physical Access Control Systems be protected from unauthorized physical access - Applicability to Physical Access Control Systems were moved to the Applicability section of each security requirement. For this particular requirement, see CIP-006-5, Item 1.1, which applies to Physical Access Control Systems.
CIP-006-4c R2.2.	CIP-006-5 R1.6, 1.7	Protection of Physical Access Control Systems - Applicability to Physical Access Control Systems were moved to the Applicability section of each security requirement throughout CP version 5.

Standard: CIP-006-4c – Cyber Security—Physical Security of Critical Cyber Assets		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-006-4c R3.	Applicability	Protection of Electronic Access Control Systems - Applicability to what protections Electronic Access Control and Monitoring Systems need were moved to the Applicability section of each security requirement.
CIP-006-4c R4.	CIP-006-5 R1.2, 1.3	Physical Access Controls – R1.3 addresses FERC Order No. 706 Paragraph 572 related directives for physical security defense in depth by providing the examples in the guidance document of physical security defense in depth via multifactor authentication or layered Physical Security Perimeter(s).
CIP-006-4c R5.	CIP-006-5 R1.4, 1.5, 1.6, 1.7	Monitor physical access – Changed the term to alert for unauthorized access and clarified the actions taken for review of unauthorized physical access alerts. Examples of methods to implement have been moved to the Guidance section of this requirement.
CIP-006-4c R6.	CIP-006-5 R1.8,	Log physical access – CIP-006-4 R6 was specific to the logging of access at identified access points. This now more generally requires logging of physical access into the defined physical boundary. Examples of methods to implement have been moved to the Guidance section of this requirement.
CIP-006-4c R7.	CIP-006-5 R1.9 and CIP-008-5 Evidence Retention	Access log retention - Retain relevant incident related log information is addressed in CIP-008-5.
CIP-006-4c R8.	CIP-006-5 R3	Maintenance and Testing.

Standard: CIP-006-4c – Cyber Security—Physical Security of Critical Cyber Assets		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-006-4c R8.1.	CIP-006-5 R3.1	Physical access control system three-year testing and maintenance – Shortened periodicity of testing to 24 calendar months to address FERC Order No. 706, Paragraph 581 directives. Added testing of locally mounted security hardware devices.
CIP-006-4c R8.2.	REMOVED	Testing and maintenance records are considered the measurement of Item 3.1.
CIP-006-4c R8.3.	REMOVED	Removed. With the addition of the “identify, assess, and correct deficiencies” language in CIP-006-5, Requirement R1, this requirement part is no longer necessary.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R1.	CIP-010-1 R1.4	Assess security controls following changes - Provides clarity on when testing must occur, and requires additional testing to ensure that accidental consequences of planned changes are appropriately managed. This change addresses FERC Order No. 706, Paragraphs 397, 609, 610, and 611.
CIP-007-4 R1.1.	CIP-010-1 R1.5	Test procedures – This requirement provides clarity on when testing must occur and requires additional testing to ensure that accidental consequences of planned changes are appropriately managed. This change addresses FERC Order No. 706, Paragraphs 397, 609, 610, and 611.
CIP-007-4 R1.2.	CIP-010-1 R1.5	Testing reflects production environment - This requirement provides clarity on when testing must occur and requires additional testing to ensure that accidental consequences of planned changes are appropriately managed. This change addresses FERC Order No. 706, Paragraphs 397, 609, 610, and 611.
CIP-007-4 R1.3.	CIP-010-1 R1.4, 1.5	The Responsible Entity shall document test results. The SDT attempted to provide clarity on when testing must occur and removed requirement for specific test procedures because it is implicit in the performance of the requirement.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R2.	CIP-007-5 R1	Ports and Services – The requirement focuses on the entity knowing, and only allowing those ports that are necessary. The additional classification of “normal” or “emergency” added no value and has been removed. Added language that the entity implements its documented programs in a manner that identifies, assesses, and corrects deficiencies.
CIP-007-4 R2.1.	CIP-007-5 R1.1	Enable only those ports and services required for normal and emergency operations –. The requirement focuses on the entity knowing and allowing those ports necessary. The additional classification of ‘normal or emergency’ added no value and has been removed.
CIP-007-4 R2.2.	CIP-007-5 R1.1, 1.2	Disable other ports/services –In March 18, 2010 FERC issued an order to approve NERC’s interpretation of Requirement R2 of CIP-007-2. In this order, FERC agreed the term “ports” in “ports and services” refers to logical communication (e.g. TCP/IP) ports, but they also encouraged the drafting team to address unused physical ports.
CIP-007-4 R2.3.	DELETED	Compensating measures – See description and justification for CIP-007-4 R2.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R3.	CIP-007-5 R2	<p>Security Patch Management – The existing wording, or CIP-007-4 R3, R3.1 and R3.2 was separated into individual line items to provide more granularity. The documentation of a source(s) to monitor for release of security related patches, hot fixes, and/or updates for BES Cyber System or BES Cyber Assets was added to provide context as to when the “release” date was. The current wording stated “Document the assessment of security patches and security upgrades for applicability within 30 calendar days of availability of the patches or upgrades.”</p> <p>There has been confusion as to what constitutes the availability. Due to issues that may occur regarding control system vendor license and service agreements flexibility must be given to Responsible Entities to define what sources are being monitored for BES Cyber Assets. Added language that the entity implements its documented programs in a manner that identifies, assesses, and corrects deficiencies.</p>
CIP-007-4 R3.1.	CIP-007-5 R2.2	<p>Assess patches – Similar to the current wording, but added reference to “identification of a source or sources that the Responsible Entity tracks” to establish where the release is from. The word in previous versions: “The Responsible Entity shall document the assessment of security patches and security upgrades for applicability within 30 calendar days of availability of the patches or upgrades,” has led to varying opinions as to what constitutes “availability” of the patches or upgrades. The addition attempts to clarify where the release is from. There was a change made that reads “since the last evaluation at least once every 35 calendar days”.</p>

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R3.2.	CIP-007-5 R2.3, 2.4	Implement patches - This is the same concept as in the current CIP-007 R3.2 wording; however, a 35 calendar day window was given to allow for documentation of the actual implementation in a less time constrained manner where manual processes are used. Splitting the implementation of security related patches, hot fixes, and/or updates into a separate item from compensating measures will provide granularity. Automated processes allow the implementation to be documented and confirmed electronically in a short time period. Manual processes may take an extended period of time to complete documentation of the installation. Priority should be given to the implementation rather than the documentation.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R4.	CIP-007-5 R3, 3.1, 3.2, 3.3	<p>Malicious Software Prevention – In prior versions, this requirement has arguably been the single greatest generator of TFE’s as it prescribed a particular technology to be used on every CCA regardless of that asset’s susceptibility or capability to use that technology. As the scope of Cyber Assets of these standards expands to more field assets, this issue will only grow exponentially. The drafting team is taking the approach of making this requirement a competency based requirement where the entity must document how the malware risk is handled for each BES Cyber System, but it does not prescribe a particular technical method, nor does it prescribe that it must be used on every component. The BES Cyber System is the object of protection.</p> <p>Beginning in Paragraphs 619-622 of FERC Order No. 706, and in particular Paragraph 621, FERC agrees that the standard “does not need to prescribe a single method...However, how a Responsible Entity does this should be detailed in its Cyber Security Policy so that it can be audited for compliance...”</p> <p>In Paragraph 622, FERC directs that the requirement be modified to include safeguards against personnel introducing, either maliciously or unintentionally, viruses or malicious software through remote access, electronic media, or other means. The drafting team believes that addressing this issue holistically at the BES Cyber System level, and regardless of technology, along with the enhanced change management requirements, meets this directive.</p>

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R4.1.	CIP-007-5 R3.1	Malware prevention tools – See description and justification for CIP-007-4 R3.
CIP-007-4 R4.2.	CIP-007-5 R3.2, 3.3	Update malicious code detections – See description and justification for CIP-007-4 R3.
CIP-007-4 R5.	CIP-007-5 R5.1	Use at least one authentication method – The requirement to enforce authentication for all user access is included here. The requirement to establish, implement, and document controls is included in this introductory requirement. The requirement to have technical and procedural controls was removed because technical controls suffice when procedural documentation is already required. The phrase, “that minimize the risk of unauthorized access,” was removed and more appropriately captured in the Rationale Statement.
CIP-007-4 R5.1.	CIP-004-5 R4.1,	Access authorization – CIP-003-4, CIP-004-4 CIP-006-4, and CIP-007-4 all reference authorization of access in some form, and CIP-003-4 and CIP-007-4 require authorization on a “need-to-know” basis, or with respect to work functions performed. These were consolidated in CIP-004-5 R4.1 to ensure consistency in the requirement language.
CIP-007-4 R5.1.1.	CIP-003-5 R5.2	Access authorization – CIP-003-5 R5.2 requires CIP Senior Manager or delegate approval for all requirements for authorization in the CIP Cyber Security Standards.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R5.1.2.	CIP-007-5 R4.1	Identify security events for after-the-fact investigation – This requirement is derived from NIST 800-53, Version 3 AU-2, which requires organizations to determine system events to audit for incident response purposes. The industry expressed confusion in the phrase, “system events related to cyber security,” from informal comments received. Changes made here clarify this term by allowing entities to first define these security events. Access logs from the ESP, as required in CIP-005-4 R3, and user access and activity logs, as required in CIP-007-5 R5, are also included here.
CIP-007-4 R5.1.3.	CIP-004-5 R4.3	Account privilege verification – Moved requirements to ensure consistency and eliminate the cross-referencing of requirements. Clarified what was necessary in performing verification by stating the objective was to confirm that access privileges are correct and the minimum necessary for performing assigned work functions. Stated that the account privilege verification be conducted at least once every 15 calendar months.
CIP-007-4 R5.2.	CIP-007-5 R5.2	Identify account types and determine acceptable use – CIP-007-4 requires entities to minimize and manage the scope and acceptable use of account privileges. The requirement to minimize account privileges has been removed because the implementation of such a policy is difficult to measure, at best.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R5.2.1.	CIP-007-5 R5.4	Change default vendor passwords – The requirement for the “removal, disabling, or renaming of such accounts where possible,” has been removed and incorporated into Guidance for acceptable use of account types. This was removed because those actions are not appropriate on all account types. Added the option of having unique default passwords to permit cases where a system may have generated a default password or a hard-coded, uniquely generated default password was manufactured with the BES Cyber System.
CIP-007-4 R5.2.2.	CIP-007-5 R5.3	Identify those individuals with access to shared accounts - No significant changes. Added “authorized” access to make clear that individuals storing, losing or inappropriately sharing a password is not a violation of this requirement.
CIP-007-4 R5.2.3.	CIP-007-5 R5.2, 5.3	Identify account types and determine acceptable use – No significant changes.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R5.3.	CIP-007-5 R5.5	Implement a password policy – CIP-007-4 R5.3 requires the use of passwords, and specifies a specific policy of six characters or more with a combination of alpha-numeric and special characters. The level of detail in these requirements can restrict more effective security measures. The password requirements have been changed to permit the maximum allowed by the device in cases where the password parameters could otherwise not achieve a stricter policy. This change still achieves the requirement objective to minimize the risk of unauthorized disclosure of password credentials, while recognizing password parameters alone do not achieve this. The drafting team believes allowing the Responsible Entity the flexibility of applying the strictest password policy allowed by a device outweighed the need to track a relatively minimally effective control through the TFE process.
CIP-007-4 R5.3.1.	CIP-007-5 R5.5	Password length – See description and justification for CIP-007-4 R5.3.
CIP-007-4 R5.3.2.	CIP-007-5 R5.5	Password complexity – See description and justification for CIP-007-4 R5.3.
CIP-007-4 R5.3.3.	CIP-007-5 R5.5, 5.6	Password change frequency – See description and justification for CIP-007-4 R5.3.
CIP-007-4 R6.	CIP-007-5 R4	Security Status Monitoring – Consolidated requirements for monitoring electronic events into CIP-007-5 R4.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R6.1.	CIP-007-5 R4.1	Identify security events – This requirement is derived from NIST 800-53, Version 3 AU-2, which requires organizations to determine system events to audit for incident response purposes. The industry expressed confusion in the phrase, “system events related to cyber security” from informal comments received on CIP-011. Changes made here clarify this term by allowing entities to first define these security events. Access logs from the ESP, as required in CIP-005-4 R3, and user access and activity logs, as required in CIP-007-5 R5, are also included here.
CIP-007-4 R6.2.	CIP-007-5 R4.2	Identify security events for Real-time alerting – This requirement is derived from alerting requirements in CIP-005-4 R3.2 and CIP-007-4 R6.2, in addition to NIST 800-53, Version 3 AU-6. Previous CIP Standards required alerting on unauthorized access attempts and detected Cyber Security Incidents, which can be vast and difficult to determine from day to day. Changes to this requirement allow the entity to determine events that necessitate an immediate response.
CIP-007-4 R6.3.	CIP-007-5 R4.1	Identify security events for after-the-fact investigation – See description and justification for CIP-007-4 R6.1.
CIP-007-4 R6.4.	CIP-007-5 R4.4	Retain relevant log information – No significant changes.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R6.5.	CIP-007-5 R4.5	Review logs – Beginning in Paragraph 525, and also Paragraph 628 of the FERC Order No. 706, the commission directs a manual review of security event logs on a more periodic basis, and suggests a weekly review. The order acknowledges it is rarely feasible to review all system logs. Indeed, log review is a dynamic process that should improve over time and with additional threat information. Changes to this requirement allow for a weekly summary or sampling review of logs.
CIP-007-4 R7.	CIP-011-1 R2.1	Disposal or Redeployment – Consistent with FERC Order No. 706, Paragraph 631, clarified that the goal was to prevent the unauthorized retrieval of information from the asset, removing the word “erase” as, depending on the media itself, erasure may not be sufficient to meet this goal. Moved requirement explicitly requiring records of destruction/redeployment to a measure of compliance. Added requirement for chain of custody if the device is taken outside the Physical Security Perimeter.
CIP-007-4 R7.1.	CIP-011-1 R2.2	Disposal - Consistent with FERC Order No. 706, Paragraph 631, the SDT clarified that the goal was to prevent the unauthorized retrieval of information from the asset, removing the word “erase” since, depending on the media itself, erasure may not be sufficient to meet this goal. Moved requirement explicitly requiring records of destruction/redeployment, to a measure of compliance. Added requirement for chain of custody if the device is taken outside the Physical Security Perimeter.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-007-4 R7.2.	CIP-011-1 R2.1	Redeployment – See description and justification for CIP-007-4 R7.
CIP-007-4 R7.3.	Measures	See description and justification for CIP-007-4 R7.
CIP-007-4 R8.	CIP-010-1 R3	Cyber Vulnerability Assessment – Consolidated requirements for vulnerability assessments from CIP-005-4 and CIP-007-4.
CIP-007-4 R8.1.	Measures	A document identifying the vulnerability assessment process – This is example evidence required for compliance.
CIP-007-4 R8.2.	CIP-010-1 R3.1, 3.2	Ports and services review – As suggested in FERC Order No. 706, Paragraph 644, the details for what should be included in the assessment are included in Guidance.
CIP-007-4 R8.3.	CIP-010-1 R3.1, 3.2	A review of controls for default accounts – As suggested in FERC Order No. 706, Paragraph 644, the details for what should be included in the assessment are included in Guidance.
CIP-007-4 R8.4.	CIP-010-1 R3.4	Mitigation plan – Added a requirement for an entity planned date of completion as per the FERC directive in Order No. 706, Paragraph 643.
CIP-007-4 R9.	DELETED	Documentation Review and Maintenance – The drafting team considered this requirement fully administrative and as part of the internal program to maintain compliance evidence.
NEW	CIP-007-5 R1.2	Restrict physical I/O ports – In March 18, 2010, FERC issued an order to approve NERC’s interpretation of Requirement R2 of CIP-007-2. In this order, FERC agreed the term “ports” in “ports and services” refers to logical communication (e.g., TCP/IP) ports, but they also encouraged the drafting team to address unused physical ports.

Standard: CIP-007-4 – Cyber Security—Systems Security Management		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
NEW	CIP-007-5 R2.1	Identify patch sources – Defining the source(s) that a Responsible Entity monitors for the release of security related patches, hot fixes, and/or updates will provide a starting point for assessing the effectiveness of the patch management process. Documenting the source is also used to determine when the assessment time frame clock starts. This requirement also handles the situation where security patches can come from an original source (such as an operating system vendor), but must be approved or certified by another source (such as a control system vendor) before they can be assessed and applied in order to not jeopardize the availability or integrity of the control system.
NEW	CIP-007-5 R4.3	Generate Real-time alerts and respond to audit-processing failures – This requirement was derived from NIST 800-53, Version 3 AU-5, which addresses response to audit processing failures. Some interpretations of version 4 CIP Cyber Security Standards considered the failure of the security event monitoring and alerting system to be a violation. The purpose of this requirement is to have mitigation in place rather than penalizing audit processing failures.
NEW	CIP-007-5 R5.7	Limits or alerts on exceeding unsuccessful log in attempts threshold – Minimizing the number of unsuccessful login attempts significantly reduces the risk of live password cracking attempts. This is a more effective control in live password attacks than password parameters.

Standard: CIP-008-4 – Cyber Security—Incident Reporting and Response Planning		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-008-4 R1.	CIP-008-5 R1	Cyber Security Incident Response Plan – Separated requirement into multiple requirements in a comparable manner as CIP-009-4, where individual aspects of maintaining the plan are listed as separate requirements.
CIP-008-4 R1.1.	CIP-008-5 R1.1, 1.2	Identify reportable cyber security events – Defined the term Reportable Cyber Security Incident and further described the meaning in relation to CIP-008-5. “Characterize” has been changed to “identify” for clarity. “Response actions” has been changed to “respond to” for clarity. EOP-004-2 will address the reporting requirements from previous versions of CIP-008. This requirement part only obligates entities to have a process for determining Reportable Cyber Security Incidents. In R1.2, language was added to notify the Electricity Sector Information Sharing and Analysis Center (ES-ISAC) and that notification, even if a preliminary notice, exceed one hour.
CIP-008-4 R1.2.	CIP-008-5 R1.3, R1.4	Roles and responsibilities of incident response teams –Replaced “incident response teams” with “incident response groups or individuals” to avoid the interpretation that roles and responsibilities sections must reference specific teams. Conforming change to reference new defined term Cyber Security Incidents.
CIP-008-4 R1.3.	DELETED	Reporting cyber security incidents – Coordinated with EOP-004-2 drafting team to ensure EOP-004-2 becomes the single standard for reporting incidents, and ensure EOP-004-2 references the defined term Reportable Cyber Security Incidents.

Standard: CIP-008-4 – Cyber Security—Incident Reporting and Response Planning		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-008-4 R1.4.	CIP-008-5 R3.1.2, 3.4	Update incident response plan following review – Included additional specification on update of response plan. Addresses FERC Order No. 706, Paragraph 686 directive to modify on lessons learned. Specifies the activities required to maintain the plan. The previous version required entities to update the plan in response to any changes. The modifications make clear the changes that would require an update.
CIP-008-4 R1.5.	CIP-008-5 R3.1, R3.3	Review incident response plans annually – Specified what the annual review entails. Addresses FERC Order No. 706, Paragraph 686 to document test, or actual incidents and lessons learned.
CIP-008-4 R1.6.	CIP-008-5 R2.1, 2.2	Test incident response plans annually – Allows deviation from plan(s) during actual events or testing if deviations are recorded for review, and specifies activities required to maintain the plan. In R2.1, changed “Annually” to at least once every 15 calendars months.
CIP-008-4 R2.	CIP-008-5 R2.3	Cyber Security Incident Documentation –Removed references to the retention period because the standard addresses data retention in the Compliance section.
NEW	CIP-008-5 R3.1.1	Document any lessons learned - Addresses FERC Order No. 706, Paragraph 686 to document test or actual incidents and lessons learned.
NEW	CIP-008-5 R3.1,R3.3.1	Communicate incident response plan updates – Added specific timing requirement on communication of plan changes based on review of the DHS Controls and NIST 800-53 guideline.

Standard: CIP-009-4 – Cyber Security—Recovery Plans for Critical Cyber Assets		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
CIP-009-4 R1.	CIP-009-5 R1, R3.1, R3.3	Recovery Plan – Added requirement for documentation of any identified deficiencies or lessons learned. Added the requirement to additionally review plans after technology changes. Added requirement parts to document any lessons learned (3.3.1), update recovery plan based on documented lessons learned (3.3.2), and notify each person or group of any updates to the recovery plan (3.3.1).
CIP-009-4 R1.1.	CIP-009-5 R1.1	Conditions for activation of recovery plan – Minor wording changes, essentially unchanged.
CIP-009-4 R1.2.	CIP-009-5 R1.2	Roles and responsibilities of recovery plan responders – No significant changes.
CIP-009-4 R2.	CIP-009-5 R2, R2.1	Test recovery plan annually – Added language that the entity implements its documented programs in a manner that identifies, assesses, and corrects deficiencies. Changed “Annually” to at least once every 15 calendars months.
CIP-009-4 R3.	CIP-009-5 R3.2	Review results of recovery plan activities (tests, events) – Added the time frame for update.
CIP-009-4 R4.	CIP-009-5 R1.3	Backup processes – No significant changes.
CIP-009-4 R5.	CIP-009-5 R2.2	Test information used for recovery – Combined requirement from CIP-009-4 R5 and included requirement to test when initially stored. Addresses FERC Order No. 706, Directives 739 and 748 related to testing of backups. Changed “Annually” to at least once every 15 calendars months.

Standard: CIP-009-4 – Cyber Security—Recovery Plans for Critical Cyber Assets		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
NEW	CIP-009-5 R1.4	Testing of backup media – Addresses FERC Order No. 706, Paragraph 739 and 748 directives regarding the testing of backup media.
NEW	CIP-009-5 R1.5	Process to preserve data for analysis – Added requirement to address FERC Order No. 706, Paragraph 706, regarding the necessity to have procedures in place to retain Cyber Asset evidence as part of the recovery planning.
NEW	CIP-009-5 R2.3	Test each of the recovery plans for high impact BES Cyber Systems at least once every 36 calendar months through an operational exercise of the recovery plans in an environment representative of the production environment. Addresses FERC Order No. 706, Paragraph 725, to add the requirement that the recovery plan test be a full operational test once every 3 years.
NEW	CIP-009-5 R3.4	Communicate recovery plan updates – This change ensures that recovery personnel are aware of any changes to recovery plans.
Standard: New Requirements in CIP-010-1 and CIP-011-1		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
NEW	CIP-010-1 R1.1	Baseline configuration – Baseline requirement incorporated from the DHS Catalog for Control Systems Security (also NIST 800-53). The baseline requirement is also an attempt to clarify precisely when the change management process must be invoked and which elements of the configuration must be managed.

Standard: CIP-009-4 – Cyber Security—Recovery Plans for Critical Cyber Assets		
Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
NEW	CIP-010-1 R2.1	<p>The monitoring of the configuration of the BES Cyber System provides an express acknowledgement of the need to consider malicious actions along with intentional changes.</p> <p>This requirement was added after review of the DHS Catalog of Control System Security and to address FERC Order No. 706, Paragraph 397. DHS Catalog & addresses FERC Order No. 706, Paragraph 397. Thirty-five calendar days allows for a “once-a-month” frequency with slight flexibility to account for months with 31 days or for beginning or endings of months on weekends.</p>
NEW	CIP-010-1 R3.2	<p>Live Vulnerability Assessment for high impact BES Cyber Systems – Addresses FERC Order No. 706, Paragraph 541, 542, 544, and 547 directives regarding the performance of a live vulnerability assessment.</p>
NEW	CIP-010-1 R3.3	<p>Perform active VA on new BES Cyber Assets for high impact - Addresses FERC Order No. 706, Paragraph 541, 542, 544, and 547 directives regarding the performance of a vulnerability assessment prior to placing a new Cyber Asset into production.</p>