

Standard Authorization Request Form

Title of Proposed Standard	Implementation Plans for US Nuclear Power Plant Owners and Operators for Version 2 and Version 3 CIP Standards (CIP-002 through CIP-009)
Request Date	January 19, 2010
SC Approval Date	January 20, 2010

SAR Requester Information	SAR Type <i>(Check a box for each one that applies.)</i>
Name Gerry Adamski	<input type="checkbox"/> New Standard
Primary Contact Gerry Adamski	<input checked="" type="checkbox"/> Revision to existing Standard
Telephone 609-524-0617 Fax 609-452-9550	<input type="checkbox"/> Withdrawal of existing Standard
E-mail gerry.adamski@nerc.net	<input type="checkbox"/> Urgent Action

<p>Purpose (Describe what the standard action will achieve in support of bulk power system reliability.)</p> <p>To add specificity to the implementation plans for the Version 2 and Version 3 CIP standards for US nuclear power plant owners and operators.</p>
<p>Industry Need (Provide a justification for the development or revision of the standard, including an assessment of the reliability and market interface impacts of implementing or not implementing the standard action.)</p> <p>NERC filed an implementation plan for the Version 1 CIP standards specific to US nuclear power plant owners and operators in accordance with FERC Order 706-B. However, FERC approved Version 2 of the standards to be implemented on April 1, 2010 and NERC filed Version 3 of the CIP standards in December. However, no specificity is included relative to the implementation of the Version 2 or Version 3 CIP standards for US nuclear power plant owners and operators. This project adds specificity with regard to the implementation timeline for US nuclear power plant owners and operators for the Version 2 and Version 3 CIP standards.</p>
<p>Brief Description (Provide a paragraph that describes the scope of this standard action.)</p> <p>Add the expected implementation timeline for Version 2 and Version 3 CIP standards for US nuclear power plant owners and operators.</p>
<p>Detailed Description (Provide a description of the proposed project with sufficient details for the standard drafting team to execute the SAR.)</p>

Add the following language to the implementation plans for Version 2 and Version 3 of the CIP-002 through CIP-009 to specify the implementation timeline for US nuclear power plants:

Implementation of CIP Version 2 and 3 Standards for U.S Nuclear Power Plant Owners and Operators

On September 15, 2009, NERC filed for FERC approval an implementation plan for the CIP Version 1 standards (CIP-002-1 through CIP-009-1) for owners and operators of US nuclear power plants in compliance with Order 706-B. In the plan, compliance with the Version 1 standards is predicated upon the latter of the effective date of the order approving the implementation plan plus eighteen months; the determination of the scope of systems, structures, and components within the NERC and NRC jurisdictions plus ten months; or within six months following the completion of the first refueling outage beyond eighteen months from FERC approval of the implementation plan for those requirements requiring a refueling outage. Since that September 15, 2009 filing of the Version 1 implementation plan, FERC approved Version 2 of the NERC CIP standards on September 30, 2009 and NERC filed for FERC approval Version 3 CIP standards on December 29, 2009.

In its December 17, 2009 order on NERC's September 15, 2009 Version 1 implementation plan filing, FERC noted that the implementation timeline for the Version 2 CIP standards should be the same as the Implementation Plan for the Version 1 CIP standards. Consistent with this order and considering that only incremental modifications were made to Version 2 and Version 3 of the CIP standards relative to Version 1, compliance to Version 2 or Version 3 CIP-002 through CIP-009 standards (whichever is in effect at that time) for owners and operators of U.S. nuclear power plants will occur on the same schedule as the Version 1 CIP standards.

For example, if FERC approves the Version 1 implementation plan effective on May 1, 2010 and using the operative date for compliance to Version 1 standards as the FERC effective date of the order plus eighteen months, then compliance to the Version 1 standards would be required on November 1, 2011. However, since Version 1 will have been replaced by Version 2 and perhaps Version 3 by November, 2011, compliance to the Version 2 or Version 3 standards (whichever the current version is effective at that time) would therefore be required on November 1, 2011.

Using the hypothetical May 1, 2010 FERC effective date applied to a requirement linked to a refueling outage, compliance to the requirement would be required six months following the end of the first refueling outage that is beyond eighteen months from FERC approval of the implementation plan. In this case, the completion of the first refueling outage of the unit beyond November 1, 2011 would initiate the six month period. For purposes of this example, if the unit refueling outage occurred in the Spring, 2012 and ended on April 12, 2012, compliance with the requirement linked that outage would be required on October 12, 2012.

THIS WILL APPEAR IN A FOOTNOTE: These dates are provided as examples only and the FERC order effective date and compliance dates are hypothetical. Actual dates will be established based on FERC approval of the NERC Version 1 implementation schedule.

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Reliability Functions

The Standard will Apply to the Following Functions <i>(Check box for each one that applies.)</i>		
<input type="checkbox"/>	Reliability Assurer	Monitors and evaluates the activities related to planning and operations, and coordinates activities of Responsible Entities to secure the reliability of the bulk power system within a Reliability Assurer Area and adjacent areas.
<input type="checkbox"/>	Reliability Coordinator	Responsible for the real-time operating reliability of its Reliability Coordinator Area in coordination with its neighboring Reliability Coordinator's wide area view.
<input type="checkbox"/>	Balancing Authority	Integrates resource plans ahead of time, and maintains load-interchange-resource balance within a Balancing Authority Area and supports Interconnection frequency in real time.
<input type="checkbox"/>	Interchange Authority	Ensures communication of interchange transactions for reliability evaluation purposes and coordinates implementation of valid and balanced interchange schedules between Balancing Authority Areas.
<input type="checkbox"/>	Planning Coordinator	Assesses the longer-term reliability of its Planning Coordinator Area.
<input type="checkbox"/>	Resource Planner	Develops a >one year plan for the resource adequacy of its specific loads within its portion of the Planning Coordinator's Area.
<input type="checkbox"/>	Transmission Owner	Owns and maintains transmission facilities.
<input type="checkbox"/>	Transmission Operator	Ensures the real-time operating reliability of the transmission assets within a Transmission Operator Area.
<input type="checkbox"/>	Transmission Planner	Develops a >one year plan for the reliability of the interconnected Bulk Electric System within the Transmission Planner Area.
<input type="checkbox"/>	Transmission Service Provider	Administers the transmission tariff and provides transmission services under applicable transmission service agreements (e.g., the pro forma tariff).
<input type="checkbox"/>	Distribution Provider	Delivers electrical energy to the End-use customer.
X	Generator Owner	Owns and maintains generation facilities.
X	Generator Operator	Operates generation unit(s) to provide real and reactive power.
<input type="checkbox"/>	Purchasing-Selling Entity	Purchases or sells energy, capacity, and necessary reliability-related services as required.
<input type="checkbox"/>	Load-Serving Entity	Secures energy and transmission service (and reliability-related services) to serve the End-use Customer.

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Reliability and Market Interface Principles

Applicable Reliability Principles <i>(Check box for all that apply.)</i>	
<input type="checkbox"/>	1. Interconnected bulk power systems shall be planned and operated in a coordinated manner to perform reliably under normal and abnormal conditions as defined in the NERC Standards.
<input type="checkbox"/>	2. The frequency and voltage of interconnected bulk power systems shall be controlled within defined limits through the balancing of real and reactive power supply and demand.
<input type="checkbox"/>	3. Information necessary for the planning and operation of interconnected bulk power systems shall be made available to those entities responsible for planning and operating the systems reliably.
<input type="checkbox"/>	4. Plans for emergency operation and system restoration of interconnected bulk power systems shall be developed, coordinated, maintained and implemented.
<input type="checkbox"/>	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems.
<input type="checkbox"/>	6. Personnel responsible for planning and operating interconnected bulk power systems shall be trained, qualified, and have the responsibility and authority to implement actions.
<input type="checkbox"/>	7. The security of the interconnected bulk power systems shall be assessed, monitored and maintained on a wide area basis.
<input checked="" type="checkbox"/>	8. Bulk power systems shall be protected from malicious physical or cyber attacks.
Does the proposed Standard comply with all of the following Market Interface Principles? <i>(Select 'yes' or 'no' from the drop-down box.)</i>	
1. A reliability standard shall not give any market participant an unfair competitive advantage. Yes	
2. A reliability standard shall neither mandate nor prohibit any specific market structure. Yes	
3. A reliability standard shall not preclude market solutions to achieving compliance with that standard. Yes	
4. A reliability standard shall not require the public disclosure of commercially sensitive information. All market participants shall have equal opportunity to access commercially non-sensitive information that is required for compliance with reliability standards. Yes	

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Related Standards

Standard No.	Explanation

Related SARs

SAR ID	Explanation

Regional Variances

Region	Explanation
ERCOT	
FRCC	
MRO	
NPCC	
SERC	
RFC	
SPP	
WECC	