



# **Compliance Audit Report Public Version**

**Spruance Operating Services, LLC  
(SPRO) - NCR01330  
December 5, 2007**

**Confidential Information (including  
Privileged and Critical Energy Infrastructure  
Information) – Has Been Removed**

**December 20, 2007**

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## EXECUTIVE SUMMARY

This final compliance audit report is the public version. Confidential information (including privileged and critical energy infrastructure information) has been redacted from this report. The full final compliance audit report was submitted to the audited entity and NERC.

Spruance Operating Services, LLC (SPRO) was audited on December 5, 2007 for compliance to the requirements contained in the NERC Reliability Standards that are currently enforceable and apply to the SPRO's operation.

This audit focused on documents and other evidence provided to the SERC by the staff of SPRO, and did not include any evidence obtained through system observation or inspection. The findings of the audit are based on the state of compliance and current mitigation activity at the time of the audit, and do not reflect past compliance activities or activities that will be completed in the future.

The audit was conducted by asking SPRO staff to show valid evidence of meeting each and every individual requirement and sub-requirement contained in the five (5) standards that had been previously identified by SERC to SPRO as subject of this audit. SPRO staff then cited specific portions of the evidence that demonstrated compliance; in the form of reports, procedures, studies, and other documents. This evidence and the citations were documented and evaluated by the Audit Team for the level of compliance and agreement with the requirement. If all of the requirements and sub-requirements of an audited standard were met, then SPRO was judged to be compliant. Likewise, if any of the requirements or sub-requirements were not fully met, then SPRO was judged to have a possible violation of the standard. In other words, only a score of 100% is identified as compliant; 99% and below is a possible violation.

SPRO provided adequate evidence of compliance for all of the reliability standards assessed. The Audit Team found no compliance violations with any of the requirements audited.

The Audit Team acknowledges SPRO's efforts in establishing their Reliability Standards Compliance Program, their strong commitment to compliance with the standards and to ensuring the reliability of the bulk electric system.

## AUDIT PROCESS

### ***Objectives***

All registered entities are subject to audit for compliance with all reliability standards applicable to the functions for which the registered entity is registered.<sup>1</sup> The audit objectives are:

- Independently and objectively review SPRO's compliance with the requirements of the reliability standards that are applicable to SPRO based on the SPRO functions in the bulk electric system as determined by SERC.

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<sup>1</sup> North American Electric Reliability Corporation CMEP, paragraph 3.1, Compliance Audits

- Validate compliance with applicable reliability standards from the NERC 2007 Implementation Plan list of actively monitored standards.

## **Scope**

The scope of the SPRO audit was to look at all Generator Operator related standards that are in the NERC 2007 Compliance Monitoring and Enforcement Plan. Of the standards that apply to SPRO, five were selected for review in this audit. Of these five standards, one was not assessed; see findings table below.

Note: For the 2007 compliance program, the monitoring period for the compliance audit will be the past 12 months or periods specified in individual reliability standards. The monitoring period is not limited to the time period for which penalties and sanctions are assessed.

## **Methodology**

The audit was conducted by reviewing all of the standards applicable to SPRO in the NERC 2007 Compliance Enforcement Plan. These standards were grouped and scheduled during the day to make the most efficient use of SPRO's staff's time. The SPRO staff had been briefed on the standards that were to be addressed so that documentation and evidence of compliance could be assembled in advance of the interview process.

A team of auditors and subject matter experts were identified and conducted the audit of SPRO. The Audit Team had a moderator who would initiate dialogue on each standard requirement, request compliance evidence, and document the evidence and SPRO staff response. This was done by asking the SPRO staff to show valid evidence of meeting each and every individual requirement and sub-requirement contained in the five standards that had been previously identified by SERC to SPRO as subject to this audit.

SPRO staff responded by providing evidence in the form of reports, procedures, studies, and other documents. SPRO staff would then cite specific portions of the evidence that demonstrated compliance. This evidence and the citations were documented by the Audit Team on the Reliability Standard Audit Worksheets (RSAWs), and then evaluated by the Audit Team for the level of compliance and agreement with the requirement.

Discrepancies between the requirement and the evidence provided were the subject of dialogue among the team members and SPRO staff members until it could be agreed that each requirement was met by the cited evidence or other evidence offered. If it was felt that after all evidence had been presented and discussed, that SPRO did not have sufficient evidence to support a finding of compliance, a possible violation would be identified by the team and the SPRO staff would be informed.

The Audit Team Leader conducted an exit briefing following the audit with the SPRO compliance audit participants. The Audit Team Leader shared the preliminary results verbally and via a presentation. The SPRO audit participants asked questions and commented on the Audit Team's findings.

## **Company Profile**

Spruance Operating Services, LLC is responsible for the operation and maintenance of the Spruance Genco, LLC facility located in Richmond, Virginia. The plant staff consists of 68 full-time employees. The Spruance Genco, LLC facility consists of eight CE-ABB VU-40 stoker-fired boilers that supply four 60 MW G-E auto-extraction turbines. Each boiler is equipped with a Joy Dry Scrubber for SO<sub>2</sub> control and flue gas re-circulation for NO<sub>x</sub> control.

In the spring of 2005 the last boilers were modified with an enhanced overfire Air system used to further improve NO<sub>x</sub> reduction.

## **Audit Specifics**

The compliance audit was conducted on December 5, 2007 at the SPRO plant site located at 5001 Commerce Road, Richmond, Virginia.

## **Audit Team**

<b>Audit Team Role</b>	<b>Name</b>	<b>Title</b>	<b>Company</b>
Audit Team Leader	Sam Stryker	Senior Compliance Auditor	SERC
Member	Ken Keels	Manager, Compliance Enforcement	SERC
Member	Steve Gibe	Senior Compliance Auditor	SERC
Member	Mickey Bellard	Compliance Auditor	SERC
Member	Roger Lampila	Regional Compliance Program Coordinator	NERC

## **AUDIT RESULTS**

The Audit Team arrived at the Spruance Operating Services, LLC site at 12:45 p.m., December 5, 2007. The audit began at 1:00 p.m., December 5, 2007 with an opening presentation by Sam Stryker, Senior Compliance Auditor and Audit Team Leader. He reviewed the NERC Compliance Plan for 2007 in general, and how it applied to SPRO specifically. He introduced and reviewed the standards to be covered in the audit, and addressed both the expectations of the SPRO staff and the quality of evidence to be presented. He also covered the basic procedure for the audit, and the bounding rules of conduct. Each member of the Audit Team was introduced and professional affiliation identified. His presentation was followed by a brief presentation covering the background of SPRO and its compliance activities. The staff of SPRO was introduced, and general housekeeping matters explained.

The Audit Team initially reviewed the registration status of SPRO with the SPRO staff to verify application of each standard. Each standard's audit began with a recitation of each requirement and an explanation, if requested by SPRO staff. SPRO staff then presented evidence of meeting this requirement, or cited evidence in material already presented to the team. At that point, the evidence was reviewed and dialogue took place until the team reached a point of satisfaction

with the evidence. Consensual approval or concern was reached on each of the requirements, and explained to SPRO staff before proceeding to the next requirement. At that point the team scribe would record the evidence presented to satisfy the requirement and the team's recommendation on that requirement using the Reliability Standard Audit Worksheet (RSAW).

After completing a review of all applicable requirements in the standard, the overall compliance to that standard was reviewed first by the team and SPRO staff, and then by the Audit Team Leader. Any concerns or dissention with the recommendation was offered, and the Audit Team Leader would indicate support or disagreement with the recommendation. Dialogue would ensue to the point of decision on the part of the Audit Team Leader. Following this review, the Reliability Standard Audit Worksheet (RSAW) would be updated by the scribe with the compliance recommendation.

The review of all applicable standards was completed at 4:00 p.m., December 5, 2007 and the Audit Team met to review and discuss the findings. Following these discussions, the scribe collected all notes and evidence as needed and began to finalize the Reliability Standard Audit Worksheet (RSAW). The Audit Team Leader began to develop the Exit Briefing with the help of all team members. This facilitated the consensus of the full team on the content of the Exit Briefing, and re-affirmed the findings.

The Exit Briefing was presented to the Audit Team and SPRO staff at 4:30 p.m., December 5, 2007, and was followed by an informal response and questions from the SPRO staff. The Audit Team Leader solicited both informal comments from SPRO staff, along with requesting that they fill out formal feedback forms for submission to SERC. The Audit Team left the SPRO meeting room at 5:00 p.m., December 5, 2007.

## ***Findings***

<b>Reliability Standard</b>	<b>Auditor Notes</b>	<b>Finding</b>
BAL-001-0	Not Applicable – SPRO is not a BA	NA
BAL-002-0	Not Applicable – SPRO is not a BA, RSG or RRO	NA
BAL-003-0	Not Applicable – SPRO is not a BA	NA

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Reliability Standard	Auditor Notes	Finding
CIP-001-1	<p>Applies to SPRO as currently registered</p> <p>Regarding requirement 1 SPRO provided evidence in the form of the documents entitled SPRO CIP-001-1 Sabotage Reporting Procedure, page 6 Section 5.1: page 7 – 11 Section 5.2: and page 12 Section 5.4.4, and FBI meeting documentation.</p> <p>Regarding requirement 2 SPRO provided evidence in the form of the documents entitled SPRO CIP-001-1 Sabotage Reporting Procedure, page 10 Section 6.3.15 &amp; 6.3.17: page 13 Section 5.4.5: and page 13 – 14 Section 5.4.7.</p> <p>Regarding requirement 3 SPRO provided evidence in the form of the documents entitled SPRO CIP-001-1 Sabotage Reporting Procedure, page 8 – 11 Section 5.2: page 11 - 15 Section 5.4.</p> <p>Regarding requirement 4 SPRO provided evidence in the form of the documents entitled SPRO CIP-001-1 Sabotage Reporting Procedure, FBI meeting scheduled at Spruance Genco, LLC on 11/9/07 to review FBI procedures, and Spruance Meeting with FBI 11/9/07, (Meeting notes).</p> <p>SPRO was found by the Audit Team to meet all standard requirements through the evidence provided.</p>	Compliant
CIP-002-1 through CIP-009-1	Applies to SPRO as currently registered, but not assessed in this audit	Not Assessed
COM-001-1	Not Applicable – SPRO is not a BA, TO or RC	NA
EOP-001-0	Not Applicable – SPRO is not a BA, TOP	NA
EOP-003-1	Not Applicable – SPRO is not a BA, TOP	NA
EOP-005-1	Not Applicable – SPRO is not a BA, TOP	NA
EOP-006-1	Not Applicable – SPRO is not an RC	NA
EOP-008-0	Not Applicable – SPRO is not a BA, TOP or RC	NA
EOP-009-0	Applies to SPRO as currently registered, however SPRO is not a black start plant and is not in the region's black start plan, thus this standard was not assessed	Not Assessed
FAC-003-1	Not Applicable – SPRO is not a RRO, TO	NA
FAC-008-1	Not Applicable – SPRO is not a GO or TO	NA
FAC-009-1	Not Applicable – SPRO is not a GO or TO	NA
IRO-001-1	<p>Applies to SPRO as currently registered</p> <p>Requirement 8 is the only requirement applicable to SPRO.</p> <p>Regarding requirement 8 SPRO submitted evidence in the form of the documents entitled SPRO IRO-001-1 Reliability Coordination – Responsibilities and Authorities, page 3, Section 3: page 5 – 6, Section 5.2: and the Control Room Operator, MOC, &amp; Shift Supervisor log books.</p> <p>SPRO was found by the Audit Team to meet all standard requirements through the evidence provided.</p>	Compliant

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Reliability Standard	Auditor Notes	Finding
IRO-004-1	<p>Applies to SPRO as currently registered</p> <p>Requirement 4 is the only requirement applicable to SPRO.</p> <p>Regarding requirement 4, SPRO submitted evidence in the form of the documents entitled Spruance IRO-004-1 Reliability Coordination – Operations Planning, Notice of Available Capacity Reports – Next day generation capabilities based on PPA, and (8) Day - Daily Status Report based on DVP Integration (PJM letter from John Mable).</p> <p>SPRO was found by the Audit Team to meet all standard requirements through the evidence provided.</p>	Compliant
IRO-014-1	Not Applicable – SPRO is not a RC	NA
IRO-015-1	Not Applicable – SPRO is not a RC	NA
IRO-016-1	Not Applicable – SPRO is not a RC	NA
PER-002-0	Not Applicable – SPRO is not a BA or TOP	NA
PER-003-0	Not Applicable – SPRO is not a BA, TOP or RC	NA
PER-004-1	Not Applicable – SPRO is not a RC	NA
PRC-004-1	Not Applicable – SPRO is not a TO, GO, or DP who owns a transmission protection system	NA
PRC-005-1	Not Applicable – SPRO is not a TO, GO, or DP who owns a transmission protection system	NA
PRC-008-0	Not Applicable – SPRO is not a TO or DP	NA
PRC-010-0	Not Applicable – SPRO is not a TO, DP, LSE or TOP	NA
PRC-011-0	Not Applicable – SPRO is not a TO or DP	NA
PRC-016-0	Not Applicable – SPRO is not a TO, GO or DP	NA
PRC-017-0	Not Applicable – SPRO is not a TO, GO or DP	NA
PRC-021-1	Not Applicable – SPRO is not a TO or DP	NA
TOP-003-0	<p>Applies to SPRO as currently registered</p> <p>Requirement 4 is not applicable to SPRO.</p> <p>Regarding requirements 1, 2 and 3, SPRO submitted evidence in the form of the documents entitled Spruance TOP-003-0 Planned Outage Coordination, Notice of Available Capacity Reports – Next day generation capabilities based on PPA, (8) Day - Daily Status Report based on DVP Integration ( PJM letter from John Mable).</p> <p>SPRO was found by the Audit Team to meet all standard requirements through the evidence provided.</p>	Compliant
TOP-004-1	Not Applicable – SPRO is not a TOP	NA
TOP-005-1	Not Applicable – SPRO is not a TOP, BA, RC or PSE	NA
TOP-007-0	Not Applicable – SPRO is not a TOP or RC	NA
TPL-001-0	Not Applicable – SPRO is not a PA or TPL	NA
TPL-002-0	Not Applicable – SPRO is not a PA or TPL	NA
TPL-003-0	Not Applicable – SPRO is not a PA or TPL	NA
TPL-004-0	Not Applicable – SPRO is not a PA or TPL	NA
VAR-001-1	Not Applicable – SPRO is not a TOP or PSE	NA

## ***Conclusions***

SPRO was found to be in compliance with all the standards that were audited.

SPRO exhibited a strong desire and willingness to continue improvement of their compliance efforts in the future. SPRO personnel were very well prepared for the audit and showed tremendous pride in their work.

## **SUMMARY OF SPRO RESPONSE TO THE AUDIT FINDINGS**

SPRO has reviewed the proposed audit findings and the draft Compliance Audit Report. SPRO appreciates the opportunity to provide comments and accepts the findings set forth in the draft Compliance Audit Report.

## APPENDIX 1 — APPLICABLE RELIABILITY STANDARDS

Std #	Requirements	Standard	Who	Purpose	Monitoring Timeframe	Applicable to SPRO? Yes or No
BAL-001-0	All	<b>Real Power Balancing Control Performance</b>	BA	To maintain Interconnection steady-state frequency within defined limits by balancing real power demand and supply in real-time.	The data that supports the calculation of CPS1 and CPS2 (Attachment 1-BAL-001-0) are to be retained in electronic form for at least a one-year period. If the CPS1 and CPS2 data for a Balancing Authority Area are undergoing a review to address a question that has been raised regarding the data, the data are to be saved beyond the normal retention period until the question is formally resolved. Each Balancing Authority shall retain for a rolling 12-month period the values of: one-minute average ACE (ACE), one-minute average Frequency Error, and, if using variable bias, one-minute average Frequency Bias.	No
BAL-002-0	All	<b>Disturbance Control Performance</b>	BA, RSG, RRO	To ensure the Balancing Authority is able to utilize its Contingency Reserve to balance resources and demand and return Interconnection frequency within defined limits.	Compliance for DCS will be evaluated for each reporting period. Reset is one calendar quarter without a violation.  The data that support the calculation of DCS are to be retained in electronic form for at least a one-year period.	No

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BAL-003-0	All	<b>Frequency Response and Bias</b>	BA	This standard provides a consistent method for calculating the Frequency Bias component of ACE.	Yearly or by request.	No
CIP-001-1	All	<b>Sabotage Reporting</b>	RC, BA, TOP, GOP, LSE	Disturbances or unusual occurrences, suspected or determined to be caused by sabotage, shall be reported to the appropriate systems, governmental agencies, and regulatory bodies.	By request and any events in the last year.	Yes
CIP-002-1 through CIP-009-1	All	<b>Critical Infrastructure Protection Standards</b>	BA, GO, GOP, IA, LSE, NERC, RC, RRO, TO, TOP, TSP	Cyber Security Standards-Follow revised Implementation Plan for Cyber Security Standards CIP-002-1 through CIP-009-1	By request.	Yes
COM-001-1	R2 and R5	<b>Telecommunications</b>	TO, BA, RC, NERCNet User Organizations.	Each Reliability Coordinator, Transmission Operator and Balancing Authority needs adequate and reliable telecommunications facilities internally and with others for the exchange of Interconnection and operating information necessary to maintain reliability.	By request.	No

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EOP-001-0	All	<b>Emergency Operations Planning</b>	BA, TOP	Each Transmission Operator and Balancing Authority needs to develop, maintain, and implement a set of plans to mitigate operating emergencies. These plans need to be coordinated with other Transmission Operators and Balancing Authorities, and the Reliability Coordinator.	By request.	No
EOP-003-1	All	<b>Load Shedding Plans</b>	BA, TOP	A Balancing Authority and Transmission Operator operating with insufficient generation or transmission capacity must have the capability and authority to shed load rather than risk an uncontrolled failure of the Interconnection.	R1, R5, R6 - Event Driven. Has an event occurred in the past year?  R2, R3, R4, R7, R8 – By request	No
EOP-005-1	All	<b>System Restoration Plans</b>	BA, TOP	To ensure plans, procedures, and resources are available to restore the electric system to a normal condition in the event of a partial or total shut down of the system	By request. Note: entity must follow the timelines specified in the standard: show that the plan is reviewed annually; simulation or testing must be done every five years.	No
EOP-006-1	All	<b>Reliability Coordination – System Restoration</b>	RC	The Reliability Coordinator must have a coordinating role in system restoration to ensure reliability is maintained during restoration and priority is placed on restoring the Interconnection.	By request.	No
EOP-008-0	All	<b>Plans for Loss of Control Center Functionality</b>	BA, RC, TOP	Each reliability entity must have a plan to continue reliability operations in the event its control center becomes inoperable.	By request.	No

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EOP-009-0	All	<b>Documentation of Black start Generating Unit Test Results</b>	GO, GOP	To ensure that the quantity and location of system black start generators are sufficient and that they can perform their expected functions.	By request. Note entity must meet testing frequency specified in EOP-007-0.	Yes
FAC-003-1	All	<b>Vegetation Management</b>	RRO, TO	To improve the reliability of the electric transmission systems by preventing outages from vegetation located on transmission rights-of-way (ROW) and minimizing outages from vegetation located adjacent to ROW, maintaining clearances between transmission lines.	By request – program documentation and last four quarterly outage reports.	No
FAC-008-1	All	<b>Facility Ratings Methodology</b>	GO, TO	To ensure that Facility Ratings used in the reliable planning and operation of the Bulk Electric System (BES) are determined based on an established methodology.	By request the current methodology and any superseded portions of the methodology within the past 12 months.	No
FAC-009-1	All	<b>Establish and Communicate Facility Ratings</b>	GO, TO	To ensure that Facility Ratings used in the reliable planning and operation of the Bulk Electric System (BES) are determined based on an established methodology or methodologies.	By request.	No

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IRO-001-1	All	<b>Reliability Coordination – Responsibilities and Authorities</b>	BA, GOP, LSE, PSE, RC, RRO, TOP, TSP	Reliability Coordinators must have the authority, plans, and agreements in place to immediately direct reliability entities within their Reliability Coordinator Areas to re-dispatch generation, reconfigure transmission, or reduce load to mitigate critical conditions to return the system to a reliable state. If a Reliability Coordinator delegates tasks to others, the Reliability Coordinator retains its responsibilities for complying with NERC and regional standards. Standards of conduct are necessary to ensure the Reliability Coordinator does not act in a manner that favors one market participant over another.	By request.	Yes
IRO-004-1	All	<b>Reliability Coordination — Operations Planning</b>	BA, GO, GOP, LSE, RC, TO, TOP, TSP	Each Reliability Coordinator must conduct next-day reliability analyses for its Reliability Coordinator Area to ensure the Bulk Electric System can be operated reliably in anticipated normal and Contingency conditions.	By request.	Yes

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IRO-014-1	All	<b>Procedures, Processes, or Plans to Support Coordination Between Reliability Coordinators</b>	RC	To ensure that each Reliability Coordinator's operations are coordinated such that they will not have an Adverse Reliability Impact on other Reliability Coordinator Areas and to preserve the reliability benefits of interconnected operations.	By request.	No
IRO-015-1	All	<b>Notifications and Information Exchange Between Reliability Coordinators</b>	RC	To ensure that each Reliability Coordinator's operations are coordinated such that they will not have an Adverse Reliability Impact on other Reliability Coordinator Areas and to preserve the reliability benefits of interconnected operations.	Rolling 12 months of information provided on request.	No
IRO-016-1	All	<b>Coordination of Real-time Activities Between Reliability Coordinators</b>	RC	To ensure that each Reliability Coordinator's operations are coordinated such that they will not have an Adverse Reliability Impact on other Reliability Coordinator Areas.	Rolling 12 months of information provided on request.	No
PER-002-0	All	<b>Operating Personnel Training</b>	BA, TOP	Each Transmission Operator and Balancing Authority must provide their personnel with a coordinated training program that will ensure reliable system operation.	By request training program and training records.	No
PER-003-0	All	<b>Operating Personnel Credentials</b>	BA, RC, TOP	Certification of operating personnel is necessary to ensure minimum competencies for operating a reliable Bulk Electric System.	By request latest certification information and present calendar year plus previous calendar year staffing plan.	No

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PER-004-1	All	<b>Reliability Coordination — Staffing</b>	RC	Reliability Coordinators must have sufficient, competent staff to perform the Reliability Coordinator functions.	By request – Each Reliability Coordinator shall keep evidence of compliance for the previous two calendar years plus the current year.	No
PRC-004-1	All	<b>Analysis and Mitigation of Transmission and Generation Protection System Misoperations</b>	DP*, GO, TO	Provide trip operation/misoperation information per regional process.	By request – last 12 months of protection system Misoperation analysis.	No
PRC-005-1	All	<b>Transmission and Generation Protection System Maintenance and Testing</b>	DP*, GO, TO	Document/implement transmission protection system maintenance/testing/monitoring PROGRAM	By request – maintenance and testing program and testing records to show that testing intervals are on schedule.	No
PRC-008-0	All	<b>Implementation and Documentation of Underfrequency Load Shedding Equipment Maintenance Program</b>	DP, TO	Document/implement UFLS maintenance/testing PROGRAM	By request – maintenance and testing program and testing records to show that testing intervals are on schedule.	No
PRC-010-0	All	<b>Technical Assessment of the Design and Effectiveness of Undervoltage Load Shedding Program.</b>	DP, LSE, TO, TOP	ASSESS design and effectiveness of UVLS programs	By request – current assessment.	No

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PRC-011-0	All	<b>UVLS System Maintenance and Testing</b>	DP, TO	Document/implement UVLS maintenance/testing PROGRAM	By request – maintenance and testing program and testing records to show that testing intervals are on schedule.	No
PRC-016-0	All	<b>Special Protection System Misoperations</b>	DP, GO, TO	DOCUMENT/analyze misoperations	By request – last 12 months of special protection system Misoperation analysis.	No
PRC-017-0	All	<b>Special Protection System Maintenance and Testing</b>	DP, GO, TO	Document/implement SPS maintenance/testing PROGRAM	By request – maintenance and testing program and testing records to show that testing intervals are on schedule.	No
PRC-021-1	All	<b>Under-Voltage Load Shedding Program Data</b>	DP, TO	DOCUMENTATION of undervoltage load shedding program	By request – latest UVLS data.	No
TOP-003-0	All	<b>Planned Outage Coordination</b>	BA, GOP, RC, TOP	Scheduled generator and transmission outages that may affect the reliability of interconnected operations must be planned and coordinated among Balancing Authorities, Transmission Operators, and Reliability Coordinators.	By request.	Yes
TOP-004-1	R6	<b>Transmission Operations</b>	TOP	To ensure that the transmission system is operated so that instability, uncontrolled separation, or cascading outages will not occur as a result of the most severe single Contingency and specified multiple Contingencies.	By request – Each Transmission Operator shall keep 90 days of historical data for Measure 1.  Each Transmission Operator shall have current, in-force policies and procedures, as evidence of compliance to Measure 2.	No

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TOP-005-1	All	<b>Operational Reliability Information</b>	BA, PSE, RC, TOP	To ensure reliability entities have the operating data needed to monitor system conditions within their areas.	By request.	No
TOP-007-0	All	<b>Reporting System Operating Limit (SOL) and Interconnection Reliability</b>	RC, TOP	Ensure SOL and IROL violations are being reported to the Reliability Coordinator so that the Reliability Coordinator may evaluate actions being taken and direct additional corrective actions as needed.	Event driven.	No
TPL-001-0	All	<b>System Performance Under Normal (No Contingency) Conditions</b>	PA, TPL	System performance under normal conditions	By request – latest annual assessment.	No
TPL-002-0	All	<b>System Performance Following Loss of a Single Bulk Electric System Element</b>	PA, TPL	System performance under single contingency	By request – latest annual assessment.	No
TPL-003-0	All	<b>System Performance Following Loss of Two or More Bulk Electric System Elements</b>	PA, TPL	System performance under multiple contingencies	By request – latest annual assessment.	No

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Critical Energy Infrastructure Information) – Has Been Removed

<b>Std #</b>	<b>Requirements</b>	<b>Standard</b>	<b>Who</b>	<b>Purpose</b>	<b>Monitoring Timeframe</b>	<b>Applicable to SPRO? Yes or No</b>
TPL-004-0	All	<b>System Performance Following Extreme Events Resulting in the Loss of Two or More Bulk Electric System Elements</b>	PA, TPL	System performance under extreme contingencies	By request – latest annual assessment.	No
VAR-001-1	All	<b>Voltage and Reactive Control</b>	PSE, TOP	To ensure voltage levels, reactive flows, and reactive resources are monitored, controlled, and maintained within limits in real time to protect equipment and the reliable operation of the Interconnection.	By request – last 12 months of data.	No