

**Compliance Questionnaire and**

**Reliability Standard Audit Worksheet**

**FAC-002-1 — Coordination of Plans For New Generation, Transmission, and End-User Facilities**

**Registered Entity:** *(Must be completed by the Compliance Enforcement Authority)*

**NCR Number:** *(Must be completed by the Compliance Enforcement Authority)*

**Applicable Function(s): GO, TO, DP, LSE, TP, PA**

**Auditors:**

**Disclaimer**

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# Subject Matter Experts

Identify your company’s subject matter expert(s) responsible for this Reliability Standard. Include the person's title, organization and the requirement(s) for which they are responsible. Insert additional lines if necessary.

**Response: *(Registered Entity Response Required)***

|  |  |  |  |
| --- | --- | --- | --- |
| **SME Name** | **Title** | **Organization** | **Requirement** |
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# Reliability Standard Language

**FAC-002**-1 **— Coordination of Plans for New Generation, Transmission and End-User Facilities**

**Purpose:**

To avoid adverse impacts on reliability, Generator Owners and Transmission Owners and electricity end-users must meet facility connection and performance requirements.

**Applicability:**

 Generator Owner

 Transmission Owner

 Distribution Provider

 Load-Serving Entity

 Transmission Planner

 Planning Authority

**NERC BOT Approval Date:**

**FERC Approval Date:**

**Reliability Standard Enforcement Date in the United States:**

**Requirements**:

**R1.** The Generator Owner, Transmission Owner, Distribution Provider, and Load-Serving Entity seeking to integrate generation facilities, transmission facilities, and electricity end-user facilities shall each coordinate and cooperate on its assessments with its Transmission Planner and Planning Authority. The assessment shall include:

 **R1.1.** Evaluation of the reliability impact of the new facilities and their connections on the

 interconnected transmission systems.

 **R1.2.** Ensurance of compliance with NERC Reliability Standards and applicable Regional, subregional,

 Power Pool, and individual system planning criteria and facility connection requirements.

 **R1.3.** Evidence that the parties involved in the assessment have coordinated and cooperated on the

 assessment of the reliability impacts of new facilities on the interconnected transmission systems. While

 these studies may be performed independently, the results shall be jointly evaluated and coordinated by the

 entities involved.

 **R1.4.** Evidence that the assessment included steady-state, short-circuit, and dynamics studies as necessary to

 evaluate system performance under both normal and contingency conditions in accordance with Reliability Standards TPL-001-0, TPL-002-0 and TPL-003-0.

 **R1.5.** Documentation that the assessment included study assumptions, system performance,

 alternatives considered, and jointly coordinated recommendations.

**Describe, in narrative form, how you meet compliance with this requirement: *(Registered Entity Response Required)***

# R1 Supporting Evidence and Documentation

**Response: *(Registered Entity Response Required)***

|  |  |
| --- | --- |
|  |   **Provide the following:** **Document Title and/or File Name, Page & Section, Date & Version** |
| **Title** | **Date** | **Version** |
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| *Audit Team: Additional Evidence Reviewed:* |  |  |
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***This section must be completed by the Compliance Enforcement Authority.***

**Compliance Assessment Approach Specific to FAC-002-1 R1.**

Verify the assessments include:

Evaluation of the reliability impact of the new facilities and their connections on the

 interconnected transmission systems.

Ensurance of compliance with NERC Reliability Standards and applicable Regional, subregional,

 Power Pool, and individual system planning criteria and facility connection requirements.

Evidence that the parties involved in the assessment have coordinated and cooperated on the

 assessment of the reliability impacts of new facilities on the interconnected transmission systems.

Evidence that the assessment included steady-state, short-circuit, and dynamics studies as necessary to

 evaluate system performance in accordance with Reliability Standards TPL-001-0, TPL-002-0 and TPL-003-0.

Documentation that the assessment included study assumptions, system performance,

 alternatives considered, and jointly coordinated recommendations.

**Detailed notes:**

**R2.** The Planning Authority, Transmission Planner, Generator Owner, Transmission Owner, Load-Serving Entity, and Distribution Provider shall each retain its documentation (of its evaluation of the reliability impact of the new facilities and their connections on the interconnected transmission systems) for three years and shall provide the documentation to the Regional Reliability Organization(s) and NERC on request (within 30 calendar days).

(Retirement approved by FERC effective January 21, 2014.)

# Supplemental Information

**Other ‑** The list of questions above is not all inclusive of evidence required to show compliance with the Reliability Standard. Provide additional information here**, as necessary that** demonstrates compliance with this Reliability Standard.

  **Entity** **Response: *(Registered Entity Response)***

# Compliance Findings Summary (to be filled out by auditor)

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| --- | --- | --- | --- | --- | --- |
| Req. | NF | PV | OEA | NA | Statement |
| 1 |  |  |  |  |  |
| 2 | (Retirement approved by FERC effective January 21, 2014.) |

**Excerpts From FERC Orders -- For Reference Purposes Only**

**Updated Through October 5, 2011**

**FAC-002-1**

**Order 693**

 http://www.nerc.com/files/order\_693.pdf

 P681 "Proposed Reliability Standard FAC‑002‑0 requires that each generation owner,

 transmission owner, distribution provider, LSE, transmission planner and

 planning authority assess the impact of integrating generation, transmission and

 end‑user facilities into the interconnected transmission system."

 P687 “…The Commission does not intend to limit which organizational approach is

 used by the entities, only to assure that a single competent and collaborative

 analysis is performed….”

 P690 “…we note that including TPL‑001‑0 through TPL‑003‑0 will result in the

 FAC‑002 Reliability Standard being consistent with Order No. 2003, which

 requires interconnecting entities to take into account multiple contingencies in

 interconnection studies….”

 P690 ” …we note that the Standards of Conduct were designed to address such

 interactions. The entities participating in the assessment effort can continue to

 contribute to this assessment and observe the Standards of Conduct at the same

 time. If any entity finds an area where it believes the Standards of Conduct

 prevent it from cooperating with the assessment process, it may seek clarification

 from the Commission as to whether that area of involvement is in conflict with

 the Standards of Conduct…"

***North American Electric Reliability Corporation*, 134 FERC ¶ 61,015 (2011)**

**January 10, 2011**

FERC approved modifications of six Reliability Standards, including FAC-002-1, made pursuant to outstanding directives from the Commission's Order No. 693.

**Revision History**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Reviewers** | **Revision Description** |
| 1 | December 2010 | QRSAW WG | Revised Findings Table, modified Supporting Evidence tables and Added Revision History |
| 1 | January 2011 | Craig Struck | Reviewed for format consistency and content. |
| 1 | September 2011 | QRSAW WG | Modified to address Order No. 693 Directives contained in Paragraph 693. |
| 1 | October 5, 2011 | NERC Legal | Updated excerpts from FERC orders from November 24, 2008 through and including October 5, 2011. |
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