

## A. Introduction

1. **Title:** Facility Connection Requirements
2. **Number:** FAC-001-1
3. **Purpose:** To avoid adverse impacts on reliability, Transmission Owners and Generator Owners must establish Facility connection ~~and performance~~ requirements.
4. **Applicability:**
  - 4.1. Transmission Owner
  - 4.2. Applicable Generator Owner
    - 4.2.1 Generator Owner with an executed Agreement to evaluate the reliability impact of interconnecting a third party Facility to the Generator Owner's existing Facility that is used to interconnect to the interconnected Transmission systems.

## B. Requirements

- R1.** The Transmission Owner shall document, ~~maintain, and publish Facility connection requirements to ensure compliance with NERC Reliability Standards and applicable Regional Entity, subregional, Power Pool, and individual Transmission Owner planning criteria and Facility connection requirements.~~ Facility connection requirements, update them as needed, and make them available upon request. The Transmission Owner's Facility connection requirements shall address connection requirements for:

- 1.1. Generation Facilities,
- 1.2. Transmission Facilities, and
- 1.3. End-user Facilities

*[VRF – ~~Medium~~Lower] [Time Horizon – Long-term Planning]*

- R2.** Each applicable Generator Owner shall, within 45 days of having an executed Agreement to ~~evaluate~~ conduct an assessment on the reliability impact of interconnecting a third party Facility to the Generator Owner's existing Facility that is used to interconnect to the interconnected Transmission systems (under FAC-002-1), document ~~and publish its Facility connection requirements to ensure compliance with NERC Reliability Standards and applicable Regional Entity, subregional, Power Pool, and individual Transmission Owner planning criteria and Facility connection requirements~~ Facility connection requirements and make them available upon request.

*[VRF – ~~Medium~~Lower] [Time Horizon – Long-term Planning]*

- R3.** Each Transmission Owner and each applicable Generator Owner (in accordance with Requirement R2) shall address the following items in its Facility connection requirements:

- 3.1. Procedures for coordinated joint studies of new Facilities and their impacts on ~~the interconnected~~ affected Transmission ~~systems.~~ system(s).
- 3.2. Procedures for notification of new or modified Facilities to others (those responsible for the reliability of ~~the interconnected~~ affected Transmission ~~systems)~~ as soon as feasible. system(s).
  - 3.1.1. ~~Voltage level and MW and MVAR capacity or demand at point of connection.~~

~~3.1.2. Breaker duty and surge protection.~~

~~3.1.3. System protection and coordination.~~

~~3.1.4. Metering and telecommunications.~~

~~3.1.5. Grounding and safety issues.~~

~~3.1.6. Insulation and insulation coordination.~~

~~3.1.7. Voltage, Reactive Power, and power factor control.~~

~~3.1.8. Power quality impacts.~~

~~3.1.9. Equipment Ratings.~~

~~3.1.10. Synchronizing of Facilities.~~

~~3.1.11. Maintenance coordination.~~

~~3.1.12. Operational issues (abnormal frequency and voltages).~~

~~3.1.13. Inspection requirements for existing or new Facilities.~~

~~3.1.14. Communications and procedures during normal and emergency operating conditions.~~

*[VRF – Medium]*

~~**R4.** The Transmission Owner shall maintain and update its Facility connection requirements as required. The Transmission Owner shall make documentation of these requirements available to the users of the transmission system, the Regional Entity, and ERO on request (five business days).~~

~~*[VRF – Medium/Lower] [Time Horizon – Long-term Planning]*~~