

**A. Introduction**

- 1. Title:** **Establish, Maintain, and Document a Regional Blackstart Capability Plan.**
- 2. Number:** EOP-007-0
- 3. Purpose:** A system Blackstart Capability Plan (BCP) is necessary to ensure that the quantity and location of system blackstart generators are sufficient and that they can perform their expected functions as specified in overall coordinated Regional System Restoration Plans (SRP).
- 4. Applicability:**
  - 4.1. Regional Reliability Organization**
- 5. Effective Date:** April 1, 2005

**B. Requirements**

- R1.** Each Regional Reliability Organization shall establish and maintain a system BCP, as part of an overall coordinated Regional SRP. The Regional SRP shall include requirements for verification through analysis how system blackstart generating units shall perform their intended functions and shall be sufficient to meet SRP expectations. The Regional Reliability Organization shall coordinate with and among other Regional Reliability Organizations as appropriate in the development of its BCP. The BCP shall include:
  - R1.1.** A requirement to have a database that contains all blackstart generators<sup>1</sup> designated for use in an SRP within the respective areas. This database shall be updated on an annual basis. The database shall include the name, location, megawatt capacity, type of unit, latest date of test, and starting method.
  - R1.2.** A requirement to demonstrate that blackstart units perform their intended functions as required in the Regional SRP. This requirement can be met through either simulation or testing. The BCP must consider the availability of designated BCP units and initial transmission switching requirements.
  - R1.3.** Blackstart unit testing requirements including, but not limited to:
    - R1.3.1.** Testing frequency (minimum of one third of the units each year).
    - R1.3.2.** Type of test required, including the requirement to start when isolated from the system.
    - R1.3.3.** Minimum duration of tests.
  - R1.4.** A requirement to review and update the Regional BCP at least every five years.
- R2.** The Regional Reliability Organization shall provide documentation of its system BCPs to NERC within 30 calendar days of a request.

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<sup>1</sup> A unit cannot be considered a blackstart unit unless it has met the regional blackstart requirements. It is expected that if a unit fails a test, that unit will be fixed and retested within a timeframe established by the Regional Reliability Organization in accordance with the Regional Blackstart Capability plan or that unit will no longer be considered a blackstart unit.

**C. Measures**

- M1.** The Regional Reliability Organization’s BCP shall include all four of the requirements in Reliability Standard EOP-007-0\_R1.
- M2.** The Regional Reliability Organization shall have evidence it provided its BCP in accordance with Reliability Standard EOP-007-0\_R2.

**D. Compliance**

**1. Compliance Monitoring Process**

**1.1. Compliance Monitoring Responsibility**

Compliance Monitor: NERC.

**1.2. Compliance Monitoring Period and Reset Timeframe**

Current Regional BCP: on request (30 calendar days).

**1.3. Data Retention**

None specified.

**1.4. Additional Compliance Information**

None

**2. Levels of Non-Compliance**

**2.1. Level 1:** Not applicable.

**2.2. Level 2:** The Regional Reliability Organization’s Blackstart Capability Plan was incomplete in one of the four requirements defined above in Reliability Standard EOP-007-0\_R1.

**2.3. Level 3:** Not applicable.

**2.4. Level 4:** The Regional Reliability Organization’s Blackstart Capability Plan was not provided (Reliability Standard EOP-007-0\_R1), or was incomplete in two or more of the four requirements defined above in Reliability Standard EOP-007-0\_R1.

**E. Regional Differences**

- 1. None.

**Version History**

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New