	CROP.45003 Perform a Blackstart Capability Test	
© 2023	Approved By: Director, Operations	Effective Date: 04/13/2023
Rev # 5	Procedure Owner: Manager, Control Room Operations	Valid Through: 04/13/2025

Conditions to Enter

1. Requested by a DE to perform a blackstart capability test.

References

1. OP 11 - Black Start Capability Testing Requirements
2. SOP- RTMKTS.0180.0080 Process Designated Blackstart Resource Testing


Procedure Background

Blackstart capability tests are submitted and scheduled using the process defined in SOP-RTMKTS.0180.0080 Process Designated Blackstart Resource Testing.

Each Designated Blackstart Resource (DBR) performs an actual start of the DBR without dependency on the interconnected system or other DBR support as described in OP-11 at least once every 12 months.

Common Procedure Information

- A. Any ISO-NE qualified Control Room Operator has the authority to take actions required to comply with NERC Reliability Standards. A qualified ISO-NE Control Room Operator has met the following requirements:
 1. Have and maintain a NERC certification at the RC level (per R.1 of PER-003-2)
 2. Applicable Requirements of PER-005-2
 3. Approved to cover a Control Room Operator shift position by the Manager, Control Room Operations
 4. Is proficient at the current qualified level.
- B. Real time operation is defined as the current hour and the current hour plus one.
- C. Future hours are those beyond real time operation.
- D. All verbal communications with Local Control Centers (LCC), neighboring Reliability Coordinators/Balancing Authorities (RC/BA), Designated Entities (DE), Demand Designated Entities (DDE) and/or SCADA centers shall be made on recorded phone lines unless otherwise noted.
- E. For all communications:
 1. Use the Basic Protocol for All Operational Communications as prescribed in M/LCC 13.
 2. Use 'ISO New England' or 'New England'. Refrain from using 'ISO'.
 3. Use Asset ID's when communicating with DE/DDEs.
 4. Use three-part communication in all situations where its use will enhance communication.
- F. Primary responsibilities are stated for each step within the procedure, but any ISO Control Room Operator qualified at that position or higher can perform the step. The Primary Responsibility may be delegated to an Operator in a lower qualified position, but the responsibility for its completion remains with the identified individual.
- G. The use of “ensure” within this document means that a verification has been performed and if the item is not correct, corrective actions will be performed.

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Step 1 Primary Responsibility: Generation Operator
Notify the Security Operator and Senior System Operator of the blackstart capability test request.

Step 2 Primary Responsibility: Security Operator
Determine if there is a Transmission outage application associated with the blackstart capability test.

Notes

Each blackstart capability test request is processed through the Generator outage scheduling request process. Depending upon switching requirements, a separate transmission outage scheduling application may need to be submitted as well.

Step 3 Primary Responsibility: Security Operator
Perform a security assessment.

Instructions

Determine the following:

- ☐ If the generator is needed for 1st or 2nd contingency coverage; Or
- ☐ If the test will create or worsen any reliability problems

Step 3.1 Primary Responsibility: Security Operator
Request that the applicable LCC operator perform a security assessment and communicate any reliability concerns.

Step 3.2 Primary Responsibility: Security Operator
Inform the Generation Operator and Senior System Operator of the security assessment results identifying any issues created or worsened.

Step 4 Primary Responsibility: Generation Operator

Condition(s) to perform this step:

- If a reliability concern exists.

Coordinate with the Operations Shift Supervisor or Senior System Operator to determine if the blackstart capability test will be approved or denied.

Step 4.1 Primary Responsibility: Generation Operator
Inform the applicable LCC Operator of the approval or denial of the blackstart capability test.

Step 5 Primary Responsibility: Generation Operator

Condition(s) to perform this step:

- If the request is approved.

Notify the DE the blackstart capability test has been approved.

Notes

If the generator limits are **NOT** bid appropriately for the test, inform the DE that the incorrect limit will need to be redeclared to match the test value.

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Step 5.1 Primary Responsibility: Generation Operator

Condition(s) to perform this step:

- If the generator is NOT bid out-of-service for the test period.

Redeclare the generator out-of-service for the test time period.

Step 5.2 Primary Responsibility: Generation Operator

Place the generator in a UCM 1

Step 5.3 Primary Responsibility: Generation Operator

Select the "OT" reason code.

Step 5.4 Primary Responsibility: Generation Operator

Implement the outage.

Step 6 Primary Responsibility: Generation Operator

Condition(s) to perform this step:

- If the request is denied.

Notify the DE the blackstart capability test has been denied and the reason.

Step 6.1 Primary Responsibility: Generation Operator

Update the outage application.

Instructions

For an application that has a status of "Approved" but **NOT** implemented in the Outage Scheduling software, toggle the "Cancel" status button. Enter appropriate comments in the Outage Scheduling Software.

Step 6.2 Primary Responsibility: Generation Operator

Log the outage denial

Instructions

Use log entry: > OUTAGES > Denied

Enter the following:

- ☐ CROW ID;
- ☐ Description of the Denied Outage;
- ☐ Reason for denial.



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Revision History

Rev. No.	Date (MM/DD/YY)	Reason	Contact
0	06/12/15	Initial Draft of this Procedure	Steven Gould
1	05/16/17	Biennial review	Steven Gould
2	06/14/17	Administrative change for modification to procedure format	Steven Gould
3	05/13/19	Biennial review	Steven Gould
4	04/28/21	Biennial review; Added SOP Reference, Removed Note from Step 4. Added instruction to Step 6.3.	Steven Gould
5	04/12/23	Biennial review; Modified Step 5 with condition to enter, converted Step 5.1 into Step 5, Modified Step 6 with condition to enter, converted Step 6.1 into Step 6.	Jonathan Gravelin