

Instructions for Completing the Designated Blackstart Resource Test Log

Test Item #	Data Requested	Data Response
1	Asset ID	Enter the ISO-Issued Asset ID.
2	Asset Name	Enter the Generator name registered with ISO.
3	DBR Name	Enter the name of the DBR that was tested.
4	Company	Enter the Lead Market Participant of the Generator with which the DBR is associated.
5	Contact Person	Enter the name of the person to be contacted on matters pertaining to the Generator/DBR as registered in ISO Customer Asset Management System; should be the person completing OP-11 Appendix E.
6	Phone Number / Email Address	Enter the phone number and email address of the Contact Person.
7	Primary Fuel Type	Enter the primary fuel used by the DBR.
8	Minimum Amount of Primary Fuel (Full Load Hrs)	Enter the minimum amount of primary fuel that will always be available for the DBR, prior to being called on to provide Blackstart Service, reported in hours of full load operation of only the DBR being tested. If multiple DBRs are present at a generation station and the primary fuel source is shared, the full load hours must be pro-rated.
9	Alternate Fuel Type	If available, enter the alternate fuel used by the DBR.
10	Minimum Amount of Alternate Fuel (Full Load Hrs)	Enter the minimum amount of alternate fuel that will always be available for the DBR, prior to being called on to provide Blackstart Service, reported in hours of full load operation of only the DBR being tested. If multiple DBRs are present at a generation station and the alternate fuel source is shared, the full load hours must be pro-rated.
11	Date of DBR Test	Enter the day the DBR Test was actually performed

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12	Time DBR Test Initiated	Enter the time of the initiation of the actual DBR Test process. (Do not include Test preparations that would not be required in an actual System Restoration event.)
13	Time to Start the DBR	Enter the time it took for the DBR to start from the initiation of the DBR's starting sequence to the time the DBR was at synchronous speed and ready for electrical loading.
14	Started Without Assistance (Y/N)	Enter whether the DBR started without dependency from the power system or another DBR.
15	Amount of Time DBR at Synchronous Speed and Stable While Isolated	Enter the total amount of time that the DBR was at synchronous speed and stable while isolated. (A minimum of 10 minutes is required for a passing test.)
16	DBR Test Pass / Fail	Enter whether DBR passed or failed based on the following 3 criteria: <ol style="list-style-type: none"> 1. DBR started without assistance 2. From initiation of Test, DBR started within the time declared in OP-11 Appendix D DBR had stable operation for a minimum of 10 (ten) minutes
17	DBR Loading During Blackstart Capability Test (MW)	Provide real power loading of the DBR during the test.
18	Communication Check	The satellite phone test must be completed by contacting ISO or the LCC. If the satellite phone test and actual blackstart test of the DBR are performed on separate dates, the satellite phone shall be tested within 15 calendar days of the actual blackstart test, and the effective date of the test is the date of the actual blackstart test of the DBR. All required testing shall be completed prior to the Designated Blackstart Resource Test Log being submitted to ISO.
19	Circuit Breaker - Actual (Y/N/NA)	Enter whether the DBR demonstrated the ability to close the circuit breaker associated with blackstart service onto a dead bus.

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20	Circuit Breaker - Verified (Y/N/NA)	If not possible to shut the circuit breaker onto a de-energized bus, enter verification of the ability to close the circuit breaker associated with the DBR onto a de-energized bus. Such verification may have been energizing the breaker close coil with the voltage and frequency monitor controls disconnected from the synchronizing circuits.
21	Voltage and Frequency (Y/N)	Verify whether the unit had the ability to control voltage (lead and lag) and frequency.
22	Name of De-Energized Transmission or Generating Station Switchyard Element that Was Energized During the Test	Enter the name of the de-energized element or, if undefined, describe the area that was energized during the test to fulfill requirement R12.1 from NPCC Directory #8.
23	15 Minute Verbal Notification	Enter the date, time and name of the persons notified at ISO and the LCC of the completion of the DBR Test.
24	System Restoration Working Group (SRWG) Member Witness	Enter if any SRWG member witnessed the DBR Test. Enter the name and organization of any SRWG member witnessing the DBR Test
25	Comments	Enter any information that may clarify unique aspects of the DBR Test, as applicable. Always enter a description of any problems that were encountered during the Test and a description of the remedial actions taken or needed to correct those problems.

OP-11 Appendix F Revision History

Document History

Rev. No.	Date	Reason
Rev 0	01/04/13	Initial draft
Rev 1	11/20/14	Biennial review; Added satellite phone testing; Updated language for readability; Modified time DBR start and end to incorporate time at synchronous speed
Rev 1.1	07/07/16	Periodic review performed requiring no changes; Made administrative changes required to publish a Minor Revision;
Rev 2	04/12/17	Test Item #15, replaced the Pass/Fail time criteria of "...90 (ninety) minutes..." with "...time declared in OP-11 App.D..."
Rev 3	02/14/18	Biennial review completed; Section I. - Instructions for Completing the Designated Blackstart Resource Test Log: added a new Test Item #13 (Time to Start the DBR), New Test Item 22 (Name of de-energized transmission or generating station switchyard element or, if undefined, describe the area that was energized during the test) and renumbered remaining Test Items, as applicable;
Rev 4	02/11/20	Biennial review completed by procedure owner; Globally made editorial changes required to be consistent with current conditions, practices or management expectations; Test Item #15, modified to clarify requirement to be consistent with NPCC D8;
Rev 5	03/04/21	Clarify specifications in Test Item #18 to include use of Satellite Phone
Rev 5.1	09/17/21	Biennial review performed by owner with no changes required.
Rev 5.2	09/12/23	Biennial review performed by procedure owner with no intent changes required; Corrected reference in Test Item #22 Data Response.