Bonneville Power Administration
Process for NERC Standard
EOP-005 Blackstart Restoration Coordination
Version: 1b
Last Updated: 4/8/2021

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PROCESS PURPOSE:
The purpose of this process is to outline the coordination between participating parties for the testing of GO owned Blackstart resources and the coordination of testing between the BOR, COE and BPA. This process is intended to assist the BOR and COE in their compliance of the EOP-005 standard and provide coordination between BOR, COE and BPA’s TOOC organization.

NERC Standard

<table>
<thead>
<tr>
<th>Standard Number:</th>
<th>EOP-005-3</th>
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<tbody>
<tr>
<td>Title:</td>
<td>System Restoration From Blackstart Resources</td>
</tr>
<tr>
<td>Link:</td>
<td><a href="#">EOP-005-3 System Restoration from Blackstart Resource</a></td>
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<tr>
<td>Effective Date:</td>
<td>April 1, 2019</td>
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NERC FUNCTION:
Transmission Operator (TOP)
Generator Owner (GO)
Distribution Provider (DP): as identified in TOP’s Restoration Plan
Transmission Owner (TO): as identified in TOP’s Restoration Plan

PARTICIPATING PARTIES:
Bonneville Power Administration (BPA)
  - Customer Service Reliability Program (CSRP)
  - Transmission Accounting Services (TSES)
  - Operations Control (TOOC)
United States Bureau of Reclamation (BOR)
United States Corps of Engineers (COE) – Portland District
United States Corps of Engineers (COE) – Seattle District
United States Corps of Engineers (COE) – Walla Walla District

EOP-005 Purpose
The purpose of the EOP-005 Reliability Standard is to ensure plans, Facilities, and personnel are prepared to enable System restoration from Blackstart Resources to ensure reliability is maintained during restoration and priority is placed on restoring the Interconnection.
EXECUTED BLACKSTART AGREEMENTS:
The EOP-005 Blackstart Restoration Testing Coordination Process applies to the following executed MOU agreements:

- BOR Contract No. **11TX-15205**
- COE Portland Contract No. **12TX-15561**
- COE Seattle Contract No. **12TX-15563**
- COE Walla Walla Contract No. **12TX-15562**

PROCESS DETAIL:
BOR/COE Responsibilities:

a) Ensure a Blackstart Resource is designated at all times and test the Blackstart Resource every three years.

b) Within 30 days of a planned Blackstart Resource outage where the resource will be out for 90 days or longer, another Blackstart Resource will be tested and testing data coordinated with BPA.

c) When there is a change to the capabilities of a Blackstart Resource, the BPA Dispatcher must be notified by phone within 24 hours, informing the BPA Dispatcher of the change in status. If the Blackstart Resource will be unavailable for more than 90 days:
   - Notify the BPA Transmission Account Executive to update the Identification of Blackstart Resource (Exhibit A) of the Blackstart MOU.
   - Notify the BPA CSRP mailbox to update the testing tracking tool.

d) Should the Blackstart Resource fail to perform its intended function during the test, a corrective action plan will be provided to the CSRP mailbox within sixty (60) days of the test date.

e) Following the scheduled testing of a Blackstart Resource and per the Blackstart Resource Testing Requirements found in exhibit B of the MOU Agreement, within 30 days of the test completion, provide documentation of test results to BPA via the CSRP mailbox. The EOP-005 Blackstart Testing Form is posted publicly at [http://transmission.bpa.gov/business/operations/](http://transmission.bpa.gov/business/operations/).
Blackstart Unit Change Process:

Blackstart Resource is out, or returns to service: Contact BPA Generation Dispatch

<table>
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<tr>
<th>Dispatch records in the log:</th>
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<tbody>
<tr>
<td>1) Unit</td>
</tr>
<tr>
<td>2) Anticipated length of the outage</td>
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</table>

Will unit be out > 90 days?  
- NO → Done
- YES → 1) Test a new unit within 30 days and provide test results to CSRP  
  2) Contact BPA  
  3) MOU Exhibit A updated

BPA Responsibilities:

a) In collaboration with USBR and USACE, develop and maintain the EOP-005 Blackstart Testing Process.

b) Annually review contract exhibits and facilitate changes needed with the Reliability Implementation Technical Subcommittee (RITS) in order to maintain accurate and up-to-date information.
   • Upon finalization of exhibits, BPA/TSES to offer for signature accordingly.

c) In collaboration with USBR and USACE, maintain the EOP-005 Blackstart Restoration Testing Coordination process.

d) Develop and keep up-to-date the Blackstart testing tool (internal to CSRP) to prevent testing intervals from lapsing.

e) Send reminder emails to COE/USBR RCPM’s and compliance contacts 90 days prior to a unit’s testing expiration date.
   • Keep record of COE/USBR testing intervals.

f) Within three working days of receiving testing information, CSRP to:
   • Acknowledge back to the designated BOR/COE district contact(s) that the testing data had been received.
   • Log testing communication into SharePoint tracker system.
   • Route testing form to BPA Operations Control (TOOC) recipient.

g) Coordinate MOU review process at least once every 3 years. (i.e., exhibit changes, ensure capitalized terms per the NERC Glossary are accurate and up-to-date, etc.)
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h) Provide expertise and support for USBR and USACE compliance with the EOP-005 reliability standard.

i) Coordinate EOP-005 standard changes/revisions at the RITS quarterly meetings.

j) Coordinate with the Reliability Coordinator (RC) appropriately.

ACRONYMS:

- BPA – Bonneville Power Administration
- BOR – Bureau of Reclamation
- COE – Corps of Engineers
- CSE – (BPA) Customer Service Engineer
- CSRP – (BPA) Customer Service Reliability Program
- DP – Distribution Provider
- EOP – Emergency Operating Procedure(s)
- GO – Generator Owner
- GOP – Generator Operator
- NERC – North American Electric Reliability Corporation
- RC – Reliability Coordinator
- RITS – Reliability Implementation Technical Subcommittee
- TOOC – (BPA) Transmission Operations Control
- TOP – Transmission Operator
- TP – Transmission Planner

CONTACTS:

USACE Walla Walla District
- Sandip Pasricha (sandip.pasricha@usace.army.mil)
- Joe Lapeyre, (joseph.a.lapeyre@usace.army.mil)

USACE Portland District
- Allen Green, (allen.w.green@usace.army.mil)
- Joe Lapeyre, (joseph.a.lapeyre@usace.army.mil)

USACE Seattle District
- Mat Walden, (mathew.s.walden@usace.army.mil)
- Joe Lapeyre, (joseph.a.lapeyre@usace.army.mil)
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Reclamation

- Rick Jackson, (rtjackson@usbr.gov)
- Wendy Center, (wcenter@usbr.gov)
- Jenifur Rancourt, (jrancourt@usbr.gov)

Bonneville Power

- Ron Sporseen, (rssporseen@bpa.gov)
- Dan Goodrich, (dagoodrich@bpa.gov)
- Chris Higgins, (cmhiggins@bpa.gov)
- Customer Service Reliability Program, (csrp@bpa.gov)

**REVISION OF THIS PROCESS:**

1) Prior to the effective date of any revisions to this standard, CSRP will validate information, review and revise this process as required.

**Document Revision History – INTERNAL:**
Prior to the effective date of any revisions to this standard, CSRP will review and revise this process as required.

**Version Control Block**

<table>
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<tr>
<th>Version</th>
<th>Date Edited</th>
<th>By</th>
<th>Summary of Changes</th>
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<td>0</td>
<td>11/17/2017</td>
<td>C.Higgins</td>
<td>Initial Draft</td>
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<tr>
<td>1</td>
<td>4/11/2019</td>
<td>C.Higgins</td>
<td>Updated process according to RITS review performed in the March 2019 timeframe:</td>
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<td>• Removed summary statement</td>
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<td>• Strengthened process details</td>
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<td>• Added process a Unit Change Process diagram</td>
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<td>• Added TSES into process</td>
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<td>• Removed standard version from footer</td>
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<td>• Replaced Lorissa Jones with Ron Sporseen under BPA contacts.</td>
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| 1a | 6/8/2020 | C.Higgins | 1. Correction made to the Blackstart Unit Change Process: “Test a new unit within 30 days and provide test results to CSRP.
2. Updated USACE Walla Walla contact to Justin Dobbins on page 5. |
| 1b | 4/8/2021 | C.Higgins | Removed Justin Dobbins and replaced with Sandip Paricha for USACE Walla Walla District contact |