SaskPower	**Operation of 3-Phase OCR with 3-Way Bypass**	Standard Operating Procedure

Table of Contents

1.0 Persons Affected

This Standard Operating Procedure (SOP) affects:

All Operator(s) required to work on the operation of 3-Phase Oil Circuit Recloser (OCR) with 3-way bypass.

2.0 Purpose

This SOP provides:

This SOP is intended to provide the approved method to isolate and make alive a 3-phase line using an OCR with 3-way bypass for Operator(s).

3.0 Rationale

This SOP ensures the following:

- The SOP will reduce the risk of serious injury or death from the hazard of performing the operation of 3-phase OCR with 3-way bypass.

4.0 Scope

In-the-Scope of the Procedure

- The procedure includes the following:
  - The procedure details how to isolate and make alive a 3-phase line using an OCR with 3-way bypasses.

Out-of-the-Scope of the Procedure

- The procedure does not include the following:
  - Procedure to Test for Absence of Potential

5.0 Policies and Regulatory Requirements

This SOP is a result of the following policies, regulations, industry standards, and corporate directives and standards:

Policies:

- Personal Protective Equipment Policy
- Job Hazard Assessment Policy
- Hazard Controls Policy

Regulatory Requirement(s)

- *Saskatchewan Occupational Health & Safety Regulations.*
- Part XXX, Section 451, 465 and Table 22

Other

- Standard Protection Code
- SaskPower Safety Rulebook
- SaskPower Standards and Process in support of Corporate Safety Policies

6.0 Roles, Responsibilities and Prerequisites

In-the-Scope of the Procedure Role(s)	Quantity Required	Responsibilities	Prerequisites
Operator(s)	1 or more	1. Inspect tools prior to use	1. Successful Completion of Standard Protection Code Training

7.0 Tools and Equipment

Tools and Equipment and Quantity Required:

- Approved potential test indicator
- Insulated stick

8.0 Planning and Preparation Checklist

Things to Check Before Starting the Procedure:

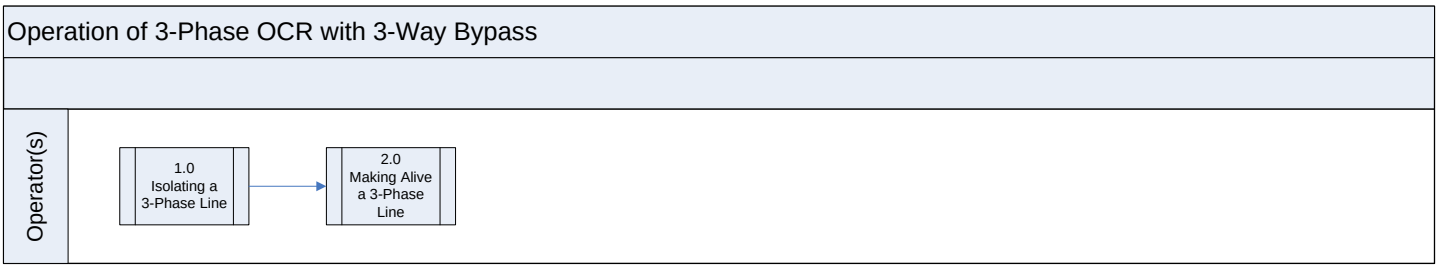
☐ Complete Hazard and Risk Assessment

☐ Applicable Personal Protective Equipment (PPE) is available and in good condition.

☐ Ensure test dates on equipment and tools are current

☐ Obtain SaskPower Standard Protection Code and other related permits

High Level Flowchart



The Procedure

Isolating and making alive a 3-phase line using an OCR with 3-way bypasses.

1.0 Isolating a 3-Phase Line

1.1 Isolating a 3-phase line

1.1.1 The Operator(s) shall use the following steps for isolating a 3-phase line.

- *Visually inspect structure to confirm it is in the proper operating position*
- *Ensure the bypass blade on the three 3-way bypasses are open*
- *Open the OCR handle (trip lever). If there are 3 single-phase OCR's, pull one handle on any of the OCR's and the interlock system will open the other 2 OCR's if there is an interlock*

NOTE: Refer to *"Operate Feeder by OCR with Electrical Interlocks Job Aid"*

- *Test for the absence of potential on the three load risers using an approved Potential Test Indicator*
- *Open the load and line blades on the three 3-way bypass*
- *Remove the 3 hot line clamps and secure them (if removing the hot line clamps poses no added risk to the worker)*
- *Tag the pole with the proper Standard Protection Code (SPC) Permit Card*

2.0 Making Alive a 3-Phase Line

2.1 Making alive a 3-phase line

2.1.1 The Operator(s) shall use the following steps for making alive a 3-phase line.

- *Replace the hot line clamps (if they had been removed)*
- *Ensure handles are in open position*
- *Close the line blade on the three 3-way bypasses*
- *Test for the absence of potential on the 3 load risers using an approved Potential Test Indicator*
- *Close the load blade on the three 3-way bypasses*
- *Close the OCR handle (trip lever) if there are three single-phase OCR's*

NOTE: Refer to *"Operate Feeder by OCR with Electrical Interlocks Job Aid"*

- *Test all three phases for potential to ensure the OCR(s) has closed properly and the line is energized*
- *Remove SPC Permit Card*

10.0 Acronyms, Definitions and Symbols

Acronyms and Abbreviations

OCR - Oil Circuit Recloser

SPC - Standard Protection Code

Definitions

N/A

Symbols

N/A

11.0 Components

The following is a list of components for this SOP which can be accessed through the SOP System:

Component Name	Component Type	Component Description	Location of Component
Operation of 3-Phase OCR with 3-Way Bypass Flowchart	Flowchart	A high level and mid-level flowchart for this procedure	SOP Online - SOP Bundle: Operation of 3-Phase OCR with 3-Way Bypass
Operate Feeder by OCR with Electrical Interlocks Job Aid	Job Aid	A job aid created to complete this procedure	SOP Online - SOP Bundle: Operation of 3-Phase OCR with 3-Way Bypass

12.0 Owner

Owner
Operations and Maintenance Director - Kevin Schwing

13.0 References

References	Location of Resource