

# 1. SCOPE

This document details the application of SOP 69 (Applicable to Whipp & Bourne CV Circuit Breaker) issued by the Energy Networks Association.

### 2. ISSUE RECORD

This is a Reference document. The current version is held on the EN Document Library.

#### It is your responsibility to ensure you work to the current version.

Issue Date	Issue No.	Author	Amendment Details
October 2000	1	1 Esther Stewart Initial Issue in New Format: 2 Page	
			Document
August 2023	2	Ryan Miller	Update to confirm SOP application

### 3. ISSUE AUTHORITY

Author	Owner	Issue Authority	
Ryan Miller	Jon Ruiz De Aguirre	Fraser Ainslie	
Project Engineer	Substations Manager	Head of Engineering Design and Standards	

### 4. REVIEW

This is a Reference document which has a 5 year retention period after which a reminder will be issued to review and extend retention or archive.

# 5. DISTRIBUTION

This document is not part of a Manual maintained by Document Control and does not have a maintained distribution list. It is published on the SP Energy Networks website.



# 6. CONTENTS

1.	SCOPE	.1
2.	ISSUE RECORD	.1
3.	ISSUE AUTHORITY	.1
4.	REVIEW	.1
5.	DISTRIBUTION	.1
6.	CONTENTS	.2
7.	SOP DETAILS	.3
8.	SOP HEADER	.4



7. SOP DETAILS	
EQUIPMENT TYPE	Whipp & Bourne CV Circuit Breaker
ORIGINATING COMPANY	North of Scotland Hydro Electricity Board
DATE	22 <sup>nd</sup> December 1988
NUMBER INSTALLED IN ENERGY NETWORKS NORTH	0
NUMBER INSTALLED IN ENERGY NETWORKS SOUTH	2
REASON	For maintenance purposes, the V.C.B's are supplied with a sheet steel barrier which can be inserted between the busbars and the busbar selector switch. The barrier access cover is interlocked to prevent the barrier being fitted, unless the selector switch is in the Earth position.
	The interlock is connected to the selector switch drive shaft via a bracket which is held in place by two M6 screws. During maintenance a bracket was found with one screw missing and the other one slack, allowing the interlock to come out of its guide. Another bracket was found with both screws slack but in place.
STATUS IN INITIATING COMPANY	Live operation banned until modified.
SPEN APPLICATION	All operations with busbar or associated circuit live are prohibited.
ADDITIONAL INFORMATION	Only two units of this equipment type remain within SPEN at the time of writing this SOP. Concern on SPEN ability to support this product (lack of OEM support and SPEN expertise in the Product) is driving asset replacement priority on this equipment.
UPDATE	N/A
REMEDIAL ACTION	SOP is repairable with application of Loctite on associated screws that loosen during operation.



# 8. SOP HEADER

Field Name	Field Value	Field Size
Name (SOPXXX)	SOP069	6
The reason for the Operational Restriction	* Parts can fall on BB during Op	30
Nature of the Operational Restriction	* All Ops with BB or CCT live prohibited	50
Comments	<ul> <li>Loose screws in busbar segregation barrier interlock mechanism can detect during operation into the busbar isolator contact</li> </ul>	200
Restricted Access to Substation Flag	N	1
<b>SOP Impact Code</b> *       0 Temporary/Impact under assessment         highlight or underline the ppropriate code)       *       0 Temporary/Impact under assessment         1 Very minor operational/network impact       2 Moderate operational/network impact         2 Moderate operational/network impact       3 Significant impact on system perf./measurable business costs         4 Inoperable without intervention       5 Inoperable – no cost effective solution/must be replaced		N/A
SOP component type (highlight or underline the appropriate code)       *       01 Bushing only 02 Circuit Breaker 03 Fixed Portion only 04 Moving Portion only 05 Switch 06 RMU 07 Transformer only 08 Tap Changer only 09 Transformer & Bushing 10 Transformer & Tap Changer		N/A
Search Criteria	Manufacturer: Whipp and Borne Text Model: CV	N/A

\* This denotes a Mandatory Field