

1. SCOPE

This document details the application of SOP 420 (Applicable to Schneider CBGS-0 Switchgear) 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
April 2021	1	Patrick Dolan	Initial issue

3. ISSUE AUTHORITY

Author	Owner	Issue Authority
Patrick Dolan Lead Engineer	Fraser Shaw Substations Manager	Fraser Ainslie 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.

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	Schneider CBGS-0
ORIGINATING COMPANY	SPEN
DATE	1 Apr 2021
NUMBER INSTALLED IN ENERGY NETWORKS NORTH	66 (SPD and SPT, includes equipment that may not be commissioned / in SAP)
NUMBER INSTALLED IN ENERGY NETWORKS SOUTH	122 (includes equipment that may not be commissioned / in SAP)
REASON	There have been 6 incidents concerning the Schneider CBGS-0 switchgear, SF1-G CB modules globally (1 found in SPEN) where the moving contract on one of the CB poles remains captive in Closed position after a CB open operation.
STATUS IN INITIATING COMPANY	<p>Following any CB open operation, verification that all poles of the CB have opened is mandatory prior to operation of the 3-position switch (service -> open & open -> service positions) where there is a live infeed (CCT/BB) to the associated bay.</p> <p>Opening of all CB poles may be verified by aid of the VPIS present on the switchboard where possible.</p> <p>Where this is not possible, operation of the 3-pos switch shall only be permitted with the BB and CCT not live unless CB position can be confirmed by testing.</p>
SPEN APPLICATION	As above
ADDITIONAL INFORMATION	Commissioning of new CBGS-0 bays will require permission from the Head of Transmission or Distribution Network
UPDATE	N/A
REMEDIAL ACTION	None agreed

8. SOP HEADER

Field Name	Field Value	Field Size
Name (SOP420) *	CBSG-0 Jammed CB Pole Issue	61
The reason for the Operational Restriction *	CB Pole stays closed upon trip	30
Nature of the Operational Restriction *	No live op of 3-pos sw unless CB verified open	50
Comments *	3-pos sw (service/open) on panel with live infeed shall only be operated when all CB poles verified open by voltage indication/testing. Otherwise 3-pos sw op must be completed with BB & CCT not live	200
Restricted Access to Substation Flag *	Y <u>N</u>	1
SOP Impact Code * <i>(highlight or underline the appropriate code)</i>	0 Temporary/Impact under assessment 1 Very minor operational/network impact 2 Moderate operational/network impact <u>3 Significant impact on system perf./measurable business costs</u> 4 Inoperable without intervention 5 Inoperable – no cost effective solution/must be replaced	N/A
SOP component type * <i>(highlight or underline the appropriate code)</i>	01 Bushing only <u>02 Circuit Breaker</u> 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 *	*CBGS* CB module DOM 03/2018 – 04/2020, affected range confirmed by Schneider	N/A

* This denotes a Mandatory Field