



1. SCOPE

This document details the application of SOP 2008/0358/00 (Applicable to System Power Engineering 11KV Retrofit VCB) issued by the Energy Networks Association.

2. ISSUE RECORD

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Issue Date	Issue No	Author	Amendment Details
June 2009	1	David Walker	

3. ISSUE AUTHORITY

Author	Owner	Issue Authority
David Walker Senior Project Engineer	Alastair Ferguson Asset Risk Manager	Jim Sutherland Chief Engineer
	

4. SOP DETAILS

EQUIPMENT TYPE: System Power Engineering (SPE) – Retrofit VCB

ORIGINATING DNO United Utilities

DATE: 15/12/2008

**NUMBER INSTALLED IN
ENERGY NETWORKS NORTH:** 0

**NUMBER INSTALLED IN
ENERGY NETWORKS SOUTH:** 0

REASON: In some instances when the VCB is opened the calms within the mechanism have continued to rotate into the closing phase of rotation. At this stage the ON/OFF indication is not fully visible in the indication window and the interlock is locked in position and cannot be moved to the free location. Electrical indications may show neither open nor closed and the motor charge supply is not made through the auxiliary switch so the spring can only be charged manually.

In this position it is possible to slow close the CB when manually charging the closing spring.

STATUS IN INITIATING DNO: When the above situation is discovered on site the following restrictions will apply: -

1. The section of bus bar feeding the VCB and the feeder circuit shall be made “Not Live”.
2. The VCB shall be slow closed as a dead operation using the manual spring charge handle.
3. After closing, remove the mechanism cover and ensure that the manual closing bar at the top rear on the left hand outside of the mechanism is pointing directly downwards. (This will prevent it from “tripping through” again).
4. The VCB can then be opened as a dead operation, the interlock moved to free and the unit racked out of service.
5. The mechanism failure must be repaired before the circuit breaker is returned to service.



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**SUSPENSION OF OPERATIONAL
PRACTICE
SOP 358**

**OPSAF-16-358
Issue No.1
June 2009**

SPEN APPLICATION: No units of this type on the SP T&D network. This SOP is for information only.

UPDATE: N/A

REMEDIAL ACTION: None required.