



1 SCOPE

This document details the application of SOP 220 issued by the Electricity Association.

2 ISSUE RECORD

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Issue Date	Issue No	Author	Amendment Details
October 2000	1	Esther Stewart	Initial Issue in New Format: 2 Page Document

3 ISSUE AUTHORITY

Author	Owner	Issue Authority
Esther Stewart	Roger Bracey	Roger Bracey Group Head, Standards



4 SOP DETAILS

TYPE: Reyrolle type LSR 11kV SF6 CB

ORIGINATING REC: SWEB

DATE: 24/12/98

NO. INSTALLED IN MANWEB: 30 at the following substations according to UDB:-

- Llanberris
- Cemmaes Rd
- Duddon
- Caergeliog
- Carmel
- Royal Insurance
- Daily Post and Echo.

NO. INSTALLED IN SCOTLAND:

STATUS: Restriction: Where a low gas pressure alarm is received from an LSR circuit breaker, the cb shall be tripped (preferably by remote means such as telecontrol) as soon as possible.

LSR circuit breakers that have either been deliberately tripped as above or have tripped automatically via the low gas pressure trip relay shall be isolated as soon as possible BUT ONLY once both the busbar and associated feeder (or both busbar sections in the case of a bus-section cb) have been made not live. LSR circuit breakers isolated in these circumstances shall not be returned to service and shall be subject to a detailed examination.

Routine switching of LSR circuit breakers where there is no indication of abnormal gas pressure may continue, but any cb isolated routinely shall be subject to a visual inspection of the tank, top plate and bushings and a gas pressure test. Any such cb found with a gas pressure below 2 Bar (g) shall not be returned to service and shall be subject to a detailed examination.

Access to substations containing LSR circuit breakers shall be restricted to short periods for essential operational duties only.

REASON:

Catastrophic failure of LSR Circuit Breaker.

UPDATE:

REMEDIAL ACTION: