



## 1 SCOPE

This document details the application of SOP 242 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: 3 Page Document

## 3 ISSUE AUTHORITY

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



#### 4 SOP DETAILS

**TYPE:** Merlin Gerin (Yorkshire Switchgear) Type YSF6 11kV SF6 CB's

**ORIGINATING REC:** Scottish Power

**DATE:** 13/09/99

**NO. INSTALLED IN MANWEB:** 0

**NO. INSTALLED IN SCOTLAND** 138

**STATUS:** Restriction (No equipment of this type within Manweb).

The following operational restriction to be imposed from the above date:

- (1) Access to switchrooms shall be restricted to short periods for essential operational purposes only. Access may only be permitted to restore supplies or other valid and pressing reasons for such time as is necessary to carry out essential operational duties.
- (2) All live opening and closing operations shall be carried out remotely (e.g. from a separate control room or from the PSMC).
- (3) No live opening and closing operations shall be carried out whilst any personnel are in the switchroom.

**REASON:**

Disruptive failure of CB at Longannet Power Station.

**UPDATE:**

**REMEDIAL ACTION:**

- 5.1 A site inspection shall be carried out on all Merlin Gerin Type YSF6 11kV SF<sub>6</sub> circuit breakers and the number of operations taken from the operations counter shall be recorded.
- 5.2 Where it can be positively established that the total number of mechanical operations since the last overhaul have NOT exceeded 2,000 then the above Operational Restriction can be lifted.



- 5.3 Any such circuit breaker found to have exceeded 1,800 mechanical operations shall be programmed for a full overhaul. The moving portion shall be returned to Merlin Gerin, Leeds for this overhaul. The overhaul must be carried out before the number of mechanical operations reach 2,000.
- 5.4 Regular substation inspections shall be carried out on all substations containing the above type of switchgear and the operation counters readings recorded. The frequency of inspections shall be such to ensure that any circuit breaker subject to high frequency of operations is identified to ensure that the unit can be programmed for overhaul before the number of mechanical operations reach 1,800.
- 5.5 In cases where circuit breakers have been identified as being subject to a high frequency of operations, consideration shall be given to transferring the moving portion to a less active circuit provided the ratings and protection circuits allow this.