



## 1 SCOPE

This document details the application of SOP 229 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 SPL2/1A 400kV CB

**ORIGINATING REC:** National Grid

**DATE:** 08/04/99

**NO. INSTALLED IN MANWEB:** 0

**NO. INSTALLED IN SCOTLAND:**

**STATUS:** Restriction (no equipment of this type in Manweb).

The following restriction applied by NGC:

The SPL2/1A variant of the SPL2 is fitted with a hydraulic drive system, other variants are not.

Re-pressurisation of the hydraulic drive system of a closed circuit breaker is only to be undertaken with the circuit breaker out of service i.e. isolated from the system and in accordance with the manufacturer's instructions.

The manufacturers instructions have been reviewed and a warning added. In addition a warning label is to be attached to all mechanisms advising of the risk of the CB slow opening. The label is fitted above the over-ride switch for the hydraulic motor in the local control cubicle.

**REASON:**

Potentially unsafe operation identified during maintenance. If a total loss of hydraulic oil pressure occurs while the circuit breaker is in the closed position and the pressure is restored then the CB is likely to slow open. This is a known condition on a number of CB design types which utilise hydraulic drive systems. Where it exists a caution/warning notice is used to alert the operators and direct them to the manufacturer's instructions.

**UPDATE:**

**REMEDIAL ACTION:**