



## 1 SCOPE

This document details the application of SOP 178 issued by the Electricity Association.

## 2 ISSUE RECORD

**This is a controlled maintained document**

**All copies printed via the Intranet or photocopied will be deemed uncontrolled.**

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:** Long & Crawford TYPE T3GF3, T4GF 11kV  
RMU

**ORIGINATING REC:** SWALEC

**DATE:** 11/04/97

**NO. INSTALLED IN MANWEB:** 195  
**NO. INSTALLED IN SCOTLAND**

**STATUS:** No restriction

**REASON:**

Abnormal operation of FRMU ring switch which resulted in full travel of switch operating handle but failure of primary contacts to open. There was no disruptive failure.

**UPDATE:**

21/04/97: Following investigation carried out by the manufacturer it has been decided that the incident was of a one off nature. Imposed restriction has been lifted from all similar units within SWALEC.

Examination of the unit carried out at GEC revealed that the main contacts and cable bushings under the fuse carriage assembly were heavily contaminated with fine grains of silica sand. analysis of the sand revealed that it had the same consistency as that used in the construction of HV fuses.

The fuses removed from the unit at the time of the incident were intact, however operational checks revealed that at least one fuse replacement had taken place since the unit was installed.

It is assumed that the contamination came from a damaged fuse that was subsequently replaced. The incident is being treated as a one off and all operational restrictions imposed on similar units within SWALEC have been lifted.

**REMEDIAL ACTION:**