



1 SCOPE

This document details the application of SOP 150 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: GEC TFM1 145kV SF6 Circuit Breaker

ORIGINATING REC: East Midlands

DATE: 9/8/95

NO. INSTALLED IN MANWEB: 0

NO. INSTALLED IN SCOTLAND:

STATUS: Restriction (None in Manweb)

REASON:

East Midlands have reported that during maintenance operations a breaker was closed but indicated 'open' electrically and mechanically. Smoke was seen from the closing coil in the breaker mechanism. The c-clip had come adrift from operating shaft allowing drive rod to fall away.

UPDATE:

22/8/95: During inspection of the position of the c-clips on the auxiliary switch drive linkage at the joint to the main drive linkage on the same breaker, a further possible risk has been identified at the auxiliary switch end of the same linkage located within the control cubicle. The cause of the fault is under investigation by GEC. It is recommended that c-clips on existing TFM1 circuit breakers are inspected to ensure they are correctly in position.

REMEDIAL ACTION:

Delayed Auto Reclose switched out. Normal operation permitted but should the expected indication not result, then the failure of the auxiliary switch drive should be suspected. In this case a field engineer should be sent to site to investigate and carry out the necessary switching to make the circuit breaker dead and initiate remedial action. Any investigation should be conducted with GEC engineers.