



1 SCOPE

This document details the application of SOP 191 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: All GEC-A Type FMJL Oil filled live tank Current Transformers at 400kV, 275kV, and 132kV rating.

ORIGINATING REC: NGC

DATE: 28/08/97

NO. INSTALLED IN MANWEB: 70
NO. INSTALLED IN SCOTLAND

STATUS: RESTRICTION (see update 20/05/98 below for details)

An 80m exclusion zone will be applied by NGC (see update 25/03/98 below)

REASON: Catastrophic failure of GEC-A 420kV FMJL Current Transformer.

UPDATE :

25/03/98: The following restriction has been imposed by NGC as from 25/03/98 and supersedes restrictions notified under SOP 191 dated 28/08/97.

Until an oil sample is taken for dissolved gas analysis, with satisfactory results, a risk management zone should be placed around all FMJL CT's. The zone shall extend to 80m in all directions and restrict access to essential work only and this should be preceded by a satisfactory radio frequency interference (RFI) test. The RFI monitor should be used during the progress of the essential work. Passing through the zone is not prevented as the exposure to the danger is short and hence the risk reduced. However, such passing through should be discouraged and loitering forbidden.

20/05/98: The following restriction to apply to all Substations containing GEC Type FMJL Current Transformers at 400kV, 275kV, and 132kV ratings. The 400kV units were installed from 1984, the 275kV units from 1979 and the 132kV units from 1972.

- (1) Access to the substation compound shall be restricted to short periods for essential operational purposes only. Short duration access or "passing through" to gain access to non restricted areas is acceptable with no further precautions taken.



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- (2) Where access is required for essential operational work for periods in excess of 30 minutes, a risk assessment will be undertaken and the necessary protective measures taken to ensure staff safety. (Advice available from standards section).
 - (3) Each site will be surveyed by Regions with guidance from Standards section to check for proximity to public places, schools, play areas etc. Where such proximity exists special arrangements will be agreed with Standards designed to safeguard the public in the event of equipment failure.

In addition warning notices will be provided at each entry point of the Substation compound to advise "Restricted Area. Refer To Control".

REMEDIAL ACTION:

Restriction may be removed if oil sample within acceptable limits. Valves and pressure gauges to be fitted. PSB to follow.