

1 SCOPE

This document details the application of SOP 192 issued by the Electricity Networks Association.

2 ISSUE RECORD

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Issue Date	Issue No	Author	Amendment Details
April 2004	2	Alastair Graham	Access restriction following heavy rain reapplied subsequent to DIN 2003/0129/00 from the ENA dated 31/12/2003.
October 2000	1	Esther Stewart	Initial Issue in New Format: 3 Page Document

3 ISSUE AUTHORITY

Author	Owner	Issue Authority
Alastair Graham	Alastair Ferguson	Eric Leavy Engineering and Transmission Operations Manager



4 SOP DETAILS

TYPE: English Electric Type OBN9G 132kV Air Blast CB

ORIGINATING REC: NORWEB

DATE: 15/09/97

NO. INSTALLED IN MANWEB: Total 12 -7 Capenhurst & 5 Bold (April 2004)

NO. INSTALLED IN SCOTLAND: 0

REASON:

Catastrophic failure of support insulator during timing tests resulting in fragments of porcelain being scattered over a wide area.

STATUS: **RESTRICTION.**

The following restriction shall apply to all substations containing the above switchgear:

- (1) **During routine switching operations no person should remain within 30m of the circuit breaker unless adequate protection is provided by adjacent structures or buildings.**
- (2) **During timing tests and other circuit breaker operations during maintenance staff should remain 30m from the circuit breaker unless adequate protection is provided by adjacent structures or buildings.**
- (3) **22/10/99: Access to within 30m of a live circuit breaker is not permitted during and for a period of 6 hours after heavy rain.**
- (4) **26/4/04: Access restriction to within 30m of a live circuit breaker is not permitted during and for a period of 6 hours after heavy rain irrespective of whether NGT modification TDC 766 has been carried out.**

UPDATES:

23/04/99: Restriction within Norweb changed to the following:

- (1) No person should approach within 30m of a live circuit breaker unless adequate protection is provided by adjacent structures or buildings.
- (2) When working on an EE OBN9G ABCB adjacent ABCB's of the same type should be isolated.

- (3) Access to areas containing live equipment should be limited to the following essential operational duties: switching/isolation/earthing of equipment.

No change made to restriction in Manweb at this time.

22/10/99: Following receipt of SOP 243 From the EA dated 8/10/99 which reports a failure following heavy rain, the restriction to be amended as follows

Access to within 30m of a live circuit breaker is not permitted during and for a period of 6 hours after heavy rain.

REMEDIAL ACTION: Plant service bulletin to follow.

26/4/04: Following receipt of DIN 2003/0129/00 from the ENA dated 31/12/2003 which reports a failure of an OBN9G attributed to moisture ingress after the circuit breaker had been modified in line with TDC 766, the restriction is to be amended as follows.

Access restriction to within 30m of a live circuit breaker is not permitted during and for a period of 6 hours after heavy rain irrespective of whether NGT modification TDC 766 has been carried out.