



1 SCOPE

This document details the application of SOP 291 issued by the Electricity Association.

2 ISSUE RECORD

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Issue Date	Issue No	Author	Amendment Details
August 2002	1	David Naylor	Initial Issue 2 Page Document

3 ISSUE AUTHORITY

Author	Owner	Issue Authority
David Naylor Senior Project Engineer	Alastair Ferguson Section Head Engineering Support	Eric Leavy Engineering & Transmission Operations Manager



4 SOP DETAILS

TYPE : Reyrolle L42T 33kV Circuit Breaker

ORIGINATING REC : PowerSystems

DATE : 10/07/2002

NO. INSTALLED IN MANWEB: 83 (none affected by this SOP)

NO. INSTALLED IN SCOTLAND: 39 – according to UDB, (five units (on UDB) at Cockenzie Grid 33kV substation) affected by this SOP)

STATUS : Restriction: Before any closing operations to energise apparatus are carried out on any Reyrolle Type L42T 33kV circuit-breaker at Cockenzie Grid 33kV Substation, the network running configuration shall be altered by switching, as appropriate, in order to reduce the maximum three phase rms fault level duty of the OCB involved at the site, to below 750MVA.

Access: Access to Cockenzie Grid 33kV switchrooms shall be prohibited unless the network running configuration has been altered as detailed in 7.1 above to ensure that the maximum three-phase fault level is below 750MVA on all busbar sections.

REASON: The calculated maximum three phase rms fault level at Cockenzie 33kV substation is considered to be approximately 997 MVA (17.46kA) which is above the 750MVA rating plate rated breaking capacity of the L42T circuit breakers at the site.

UPDATE: Refer to OPSAF-14-073.

REMEDIAL ACTION: Investigations in progress with the manufacturer. Until the investigations are complete and remedial work is carried out as appropriate, this operational Restriction shall remain in force.