



1 SCOPE

This document details the application of SOP 292 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 |
| October 2002 | 2 | David Naylor | Following update from EA. |

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 : Long & Crawford T3GF ring main unit
(NOT other L&C units such as T3GF3.)

ORIGINATING REC : Western Power Distribution

DATE : 06/08/2002

NO. INSTALLED IN MANWEB: 0

NO. INSTALLED IN SCOTLAND: 0

STATUS : Restriction:
No insertion of test prods shall be permitted into a L&C T3GF RMU with the tank live.

Update 20/08/2002: No test prods shall be inserted into a L&C T3GF RMU irrespective of whether the unit is live or dead.

Update 29/08/2002: Ban on live operation of T3GF ring main unit. After operating the unit 'dead' the unit shall be re-energised remotely. The re-energised substation shall only be accessed after a delay of 5 minutes and on the receipt of confirmation from the Control Person of the system remaining normal.

Note:- this only affects T3GF units and NOT other L&C units such as T3GF3.

REASON: A L&C T3GF was being replaced as a result of known distortion to one of the ring switch test risers (RH Centre phase) inside the tank. The aluminium riser broke off at its bottom threaded end whilst making a crocodile clip connection.

UPDATE: 29/08/2002: Failure analysis has revealed material fatigue, with vibration as a possible cause.

REMEDIAL ACTION: