

**1. SCOPE**

This document details the application of SOP 321 issued by Energy Networks Association

**2. ISSUE RECORD**

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<b>Issue Date</b>	<b>Issue No</b>	<b>Author</b>	<b>Amendment Details</b>
September 2005	1	David Walker	Initial issue

**3. ISSUE AUTHORITY**

<b>Author</b>	<b>Owner</b>	<b>Issue Authority</b>
David Walker Technical Support Engineer	Alastair Ferguson Plant Engineering Manager	Andy Huthwaite Engineering & Transmission Operations Manager .....

#### **4. SOP DETAILS**

**TYPE:** Brush Switchgear type VSI and VMV Circuit breaker housings.

**ORIGINATING DNO:** United Utilities

**DATE:** 10<sup>th</sup> of December 2004

**NO. INSTALLED IN POWER SYSTEMS NORTH: 19**

**NO. INSTALLED IN POWER SYSTEMS SOUTH: 0**

**STATUS:** Access Restrictions 1. Entry to the switchroom, with the switchgear live is restricted to operational activities only. 2. The switchroom must not be accessed, with the switchgear live for any purpose within 60 minutes of an OCB tripping on fault. 3. Control should be contacted immediately prior to entering and immediately after leaving the switchroom.

Operational Restrictions 1. OCB's must not be operated live manually on circuits for the purpose of fault location or sectionalising. 2. OCB's must not be operated live manually to energise circuits. 3. OCB's can be energised remotely after dead operation. 4. OCB's can be operated live by Telecontrol. 5. OCB's can be energised remotely by the operator.

**SPPS Application:** All affected CB panels have been modified.

**REASON:** Within a few minutes of an OCB operating to clear a fault in a CT chamber, a further flashover occurred on the busbar bushings of the OCB truck. The OCB truck and housing were severely damaged.

**UPDATE:** SOP not applied – modifications carried out.

**REMEDIAL ACTION:** Modification as per UU works reference 698 complete on all affected units.