

## 1. SCOPE

This document details the application of SOP 2010/0361/00 (Applicable to Pauwels 33kV Earthing Transformers with associated vector changeover switch) issued by the Energy Networks Association.

## 2. ISSUE RECORD

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| Issue Date | Issue No | Author         | Amendment Details |
|------------|----------|----------------|-------------------|
| April 2010 | 1        | Alan MacGregor |                   |
|            |          |                |                   |

## 3. ISSUE AUTHORITY

| Author                          | Owner                                   | Issue Authority  |
|---------------------------------|---|--|
| Alan MacGregor<br>Lead Engineer | Alastair Ferguson<br>Asset Risk Manager | Pearse Murray<br>Asset Strategy and<br>Network Programmes<br>Director<br><br>..... |

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

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|---|---|
| <b>EQUIPMENT TYPE:</b>                                | Pauwels Trafo 33kV Earthing Transformer with associated vector changeover switches  |
| <b>ORIGINATING DNO</b>                                | Western Power   |
| <b>DATE:</b>  | 04/06/2009  |
| <b>NUMBER INSTALLED IN<br/>ENERGY NETWORKS NORTH:</b> | 2   |
| <b>NUMBER INSTALLED IN<br/>ENERGY NETWORKS SOUTH:</b> | 0   |
| <b>REASON:</b>  | This restriction has been issued following flashovers on two occasions on energisation. Electrical distances between two contacts of the same phase on the vector changeover switch were not sufficient (36mm) to withstand the occurring voltage during the inrush condition. The risk of failure is only on energisation.   |
| <b>STATUS IN INITIATING DNO:</b>                      | <ol style="list-style-type: none"><li>1. Personnel to be remote from the affected earthing transformers during energisation and for 10 minutes afterwards.</li><li>2. When staff are working in the vicinity of an affected earthing transformer any auto-reclose facility on the circuits feeding the earthing transformers shall be rendered inoperative.</li></ol> |
| <b>SPEN APPLICATION:</b>                              | Per initiating DNO – above.   |
| <b>ADDITIONAL INFORMATION</b>                         | Only site currently impacted is Coalburn.   |
| <b>UPDATE:</b>  | N/A   |
| <b>REMEDIAL ACTION:</b>                               | None required.  |