

## **1. SCOPE**

This document details the application of SOP 2006/0336/00 (Applicable to AEI GA6 Air Blast Circuit Breakers) issued by the 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>
Nov 2006	1	Alastair Ferguson	

## **3. ISSUE AUTHORITY**

<b>Author</b>	<b>Owner</b>	<b>Issue Authority</b>
Colin Cameron Senior Project Engineer	Alastair Ferguson Plant Engineering Manager	Stephen Stewart Acting Chief Engineer  .....

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

<b>EQUIPMENT TYPE:</b>	AEI type GA6 Air Blast Circuit Breakers  Related incident details: DIN 2005/0053/00.
<b>ORIGINATING DNO</b>	National Grid
<b>DATE:</b>	6th November 2006
<b>NUMBER INSTALLED IN ENERGY NETWORKS NORTH:</b>	18
<b>NUMBER INSTALLED IN ENERGY NETWORKS SOUTH:</b>	25
<b>REASON:</b>	This restriction has been imposed following the catastrophic failure of a GA6 unit in Rainhill 132kV Substation and the subsequent identification of a further cracked porcelain in another National Grid Substation.
<b>STATUS IN INITIATING DNO:</b>	<b>Controlled operations</b> Routine switching of GA6 breakers require all personnel to be clear within a 25 metre radius of the circuit breaker. After each switching operation the breaker is to be inspected before allowing normal access within 25 m. of the circuit breaker. <b>Uncontrolled operations</b> Subsequent to an operation, a visual inspection must be carried out to ensure that the equipment has not suffered any damage prior to allowing normal access.
<b>SPEN APPLICATION:</b>	No person should be in the vicinity of this type of circuit breaker (within 25metres) whilst normal switching operations are carried out. Where practicable prior to and following a switching operation a visual inspection should take place to determine the general condition of the interrupter head porcelains. A risk assessment should be carried out for all works being carried out in Substations containing this type of circuit breaker. The time of exposure to uncontrolled operation of the circuit breaker must be limited as far as is reasonably practicable.
<b>UPDATE:</b>	
<b>REMEDIAL ACTION:</b>	Awaiting Approval