

## 1. SCOPE

This document details the application of SOP 2006/0339/00 (Applicable to Bonar Long/EB Nitran/ABB 500kVA dual ratio transformers) issued by the Energy Networks Association.

## 2. ISSUE RECORD

This is a controlled maintained document.

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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>
Geoff Wood Senior Project Engineer	Alastair Ferguson Plant Engineering Manager	Stephen Stewart Acting Chief Engineer
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#### **4. SOP DETAILS**

<b>EQUIPMENT TYPE:</b>	Bonar Long/Nitran/EB Nitran/ABB - Dundee Factory, 500kVA dual ratio 11kV/6.6kV- 433v transformers manufactured in the period 1990 to 2003 inclusive.  Related incident details: DINS 2006/0086/00, 2006/0087/00, 2006/0125/00.
<b>ORIGINATING DNO</b>	ScottishPower EnergyNetworks
<b>DATE:</b>	3 <sup>rd</sup> November 2006
<b>NUMBER INSTALLED IN ENERGY NETWORKS NORTH:</b>	TBA
<b>NUMBER INSTALLED IN ENERGY NETWORKS SOUTH:</b>	TBA
<b>REASON:</b>	This restriction has been imposed following three dual ratio transformer failures immediately after re-energisation at 11kV. Investigations into the failures are ongoing.
<b>STATUS IN INITIATING DNO:</b>	Transformers of the affected make and range that are currently operating at 6.6kV, may not have their links re-configured to enable operation at 11kV unless a ratio change is considered essential for network security reasons. Under these circumstances the prior approval of the Chief Engineer shall be obtained. Transformers within this range currently operating at 6.6kV or 11kV may remain in service.
<b>SPEN APPLICATION:</b>	This SOP is applied in SPEN (initiating network operator)
<b>UPDATE:</b>	
<b>REMEDIAL ACTION:</b>	Not currently available.