

## 1. SCOPE

This document details the application of SOP 2017/0406/00 (Applicable to Reyrolle LMI Ring Switches) issued by the Energy Networks Association.

## 2. ISSUE RECORD

This is a Reference document. The current version is held on the EN Document Library.

**It is your responsibility to ensure you work to the current version.**

Issue Date	Issue No.	Author	Amendment Details
June 2017	1	Patrick Dolan	Original Issue

## 3. ISSUE AUTHORITY

Author	Owner	Issue Authority
Name: Patrick Dolan Title: Lead Engineer	Name: Alastair Ferguson Title: Substations Manager	Name: Martin Hill Title: Head of Engineering Design and Standards

## 4. REVIEW

This is a Reference document which has a 5 year retention period after which a reminder will be issued to review and extend retention or archive.

## 5. DISTRIBUTION

This document is not part of a Manual maintained by Document Control and does not have a maintained distribution list.

**6. CONTENTS**

<b>1. SCOPE.....</b>	<b>1</b>
<b>2. ISSUE RECORD.....</b>	<b>1</b>
<b>3. ISSUE AUTHORITY .....</b>	<b>1</b>
<b>4. REVIEW .....</b>	<b>1</b>
<b>5. DISTRIBUTION.....</b>	<b>1</b>
<b>6. CONTENTS .....</b>	<b>2</b>
<b>7. SOP DETAILS .....</b>	<b>3</b>
<b>8. SOP HEADER .....</b>	<b>4</b>

**7. SOP DETAILS**

<b>EQUIPMENT TYPE</b>	Reyrolle LMI RMU (All variants)
<b>ORIGINATING COMPANY</b>	SP Energy Networks
<b>DATE</b>	5 <sup>th</sup> June 2017
<b>NUMBER INSTALLED IN ENERGY NETWORKS NORTH</b>	0
<b>NUMBER INSTALLED IN ENERGY NETWORKS SOUTH</b>	428
<b>REASON</b>	<p>Operation of the RMU Ring Switches is facilitated with the aid of the spring assembly to ensure that opening or closing is an independent manual operation.</p> <p>Over time the lubrication on the internal metal tubes of the spring assembly has solidified and the spring can remain stuck in a compressed state midway through the switching operation. It can possibly drop out of the mechanism altogether. This presents the risk that the switching operation will become dependent manual.</p>
<b>STATUS IN INITIATING COMPANY</b>	<p>All live operation of Reyrolle LMI RMU Ring switches is prohibited.</p> <p>This restriction can be removed when the ring switches and associated spring assembly have been maintained and free movement of the mechanism has been proven.</p>
<b>SPEN APPLICATION</b>	As detailed above.
<b>ADDITIONAL INFORMATION</b>	N/A
<b>UPDATE</b>	N/A
<b>REMEDIAL ACTION</b>	<p>The SOP can be removed when reconditioning and re-lubrication of the spring assembly is satisfactory completed.</p> <p>Reyrolle Contact - <a href="mailto:chris.hull@siemens.com">chris.hull@siemens.com</a></p>

**8. SOP HEADER**

<b>Field Name</b>	<b>Field Value</b>	<b>Field Size</b>
<b>Name (SOPxxx)*</b>	SOP406 – Reyrolle LMI Ring Switches	61
<b>The reason for the Operational Restriction*</b>	Poss. Manual Dependant Oper'n	30
<b>Nature of the Operational Restriction*</b>	No Live Operation of Reyrolle LMI Ring Switches	50
<b>Comments*</b>	Reyrolle LMI RS Spring Assembly can become jammed in the compressed condition. If the spring fails to decompress it will not assist the switching operation leaving it as a manual depend operation	200
<b>Restricted Access to Substation Flag*</b>	N	1
<b>Search Criteria *</b>	Reyrolle Type: LMI/X2/JO RMU	N/A

\* This denotes a Mandatory Field