

**1. SCOPE**

This document details the application of SOP 15 (Applicable to Yorkshire Tyke and SO-FM 11kV 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
October 2000	1	Esther Stewart	Initial Issue in New Format: 2 Page Document
Jan 2024	2	Benjamin Hughes	Update to new format. Extend affected range to Yorkshire OS.A and FMS MK2 Oil Switches

**3. ISSUE AUTHORITY**

Author	Owner	Issue Authority
Name: Benjamin Hughes Title: Lead Engineer Engineering Design & Standards	Name: Jon Ruiz De Aguirre Title: Substations Manager	Name: Fraser Ainslie Title: Head of Engineering Design & Standards  ..... Date: .....

**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. It is published on the SP Energy Networks website.

---

**6. CONTENTS**

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

---

**7. SOP DETAILS**

<b>EQUIPMENT TYPE</b>	Yorkshire Tyke RMUs & SO-FM Oil Switches. Update includes extension to include OS.A and FMS Mk2 Oil Switches due to similar internal design and parts.
<b>ORIGINATING COMPANY</b>	Scottish Power
<b>DATE</b>	27/11/80
<b>NUMBER INSTALLED IN ENERGY NETWORKS NORTH</b>	13
<b>NUMBER INSTALLED IN ENERGY NETWORKS SOUTH</b>	0
<b>REASON</b>	Unit failed catastrophically
<b>STATUS IN INITIATING COMPANY</b>	Unit disruptively failed 20 mins after operating. It was subsequently discovered there was reduced clearance between main switch blades and brass stops, which limit the switch mechanism travel. Evidence suggests progressive distortion of the stops by earth switch operation. Live operational ban.
<b>SPEN APPLICATION</b>	Live operational ban. Remote energisation only following switch operation. Access to switchgear prohibited for 60 mins following re-energisation.
<b>ADDITIONAL INFORMATION</b>	
<b>UPDATE</b>	Jan 2024 – SOP is updated to include OS.A and FMS MK2 oil due to similarities of internal design and parts. Yorkshire Tyke and SO-FM no longer on SPEN network.
<b>REMEDIAL ACTION</b>	SOP is permanent

**8. SOP HEADER**

Field Name	Field Value	Field Size
<b>Name (SOPXXX)</b> *	<b>SOP015</b>	6
<b>The reason for the Operational Restriction</b> *	Disruptive failure	30
<b>Nature of the Operational Restriction</b> *	Mechanism distortion causing reduced clearance	50
<b>Comments</b> *	Live operation of the switch is prohibited. Remote energisation mandatory following operation. Access restriction 60 mins following re-energisation.	200
<b>Restricted Access to Substation Flag</b> *	N	1
<b>SOP Impact Code</b> * <i>(highlight or underline the appropriate code)</i>	0 Temporary/Impact under assessment <u>1 Very minor operational/network impact</u> 2 Moderate operational/network impact 3 Significant impact on system perf./measurable business costs 4 Inoperable without intervention 5 Inoperable – no cost effective solution/must be replaced	N/A
<b>SOP component type</b> * <i>(highlight or underline the appropriate code)</i>	01 Bushing only 02 Circuit Breaker 03 Fixed Portion only 04 Moving Portion only <u>05 Switch</u> 06 RMU 07 Transformer only 08 Tap Changer only 09 Transformer & Bushing 10 Transformer & Tap Changer	N/A
<b>Search Criteria</b> *	Manufacturer *Yorkshire *  Text Model *OSA* *FMS MK2*	N/A

\* This denotes a Mandatory Field