

1. SCOPE

This document details the application of SOP 2015/0399/00 issued by the Energy Networks Association. This is applicable to a small number of Lucy VRN2A/VRN6A RMUs – serial numbers supplied by Lucy.

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 |
|-------------------|------------------|----------------|---|
| 20 October 2015 | 1 | Alan MacGregor | Initial issue |
| 27 April 2017 | 2 | Alan MacGregor | 4 additional units added by Lucy (3 SPD; 1 SPM) Remedial action added. |

3. ISSUE AUTHORITY

| Author | Owner | Issue Authority |
|--|--|---|
| Alan MacGregor Lead Engineer, Substations Group | Alastair Ferguson Substations Manager | Martin Hill Head of Engineering Design and Standards Date: |

4. REVIEW

This is a Reference document which has a 10 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.

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7. SOP DETAILS

Equipment Type: Lucy VRN2A/VRN6A RMUs – specified serial number range.

Originating organisation: ENW

DATE: 20 October 2015

Number installed in SPEN (Scotland) 33

Number installed in SPEN (England & Wales) 23 (plus 3 not commissioned)

Reason for SOP: Two failures of the Lucy Sabre VRN2A RMU ring switch mechanism latch causing the ring switch to become dependent manual in operation.

Status of SOP in initiating organisation: For those units identified by Lucy Electric the following restriction of operations shall apply. All live operation of the ring switches is banned. All remote operation (Live or Dead) of the ring switches is banned. Only Manual Dead operation of the switches is permitted. If an actuator is fitted to the ring switch then it shall be removed prior to manual dead operation. If spring pressure is present during the manual operation then the switch will function normally and can be assumed to have completed the operation. This shall be confirmed by reference to the switch position indicator.

If the spring pressure is not present, the switch must NOT be re-energised or used as a point of isolation or earthing until it has been inspected and repaired by Lucy Electric.

This SOP will be lifted when all affected units are inspected and repaired.

SPEN application of SOP: As per the status shown above. Additionally, all automation schemes associated with the affected units shall be disabled until the SOP has been lifted.

**ADDITIONAL
INFORMATION**

SPEN Serial Number Range affected.

| Serial No. | District | Description of functional location | Model |
|------------|---------------------|------------------------------------|-------------|
| SF00040365 | Ayrshire | CROSSBURN RD AYR S-011 | SABRE VRN2A |
| SF00039337 | Ayrshire | KILMARNOCK ATHLETICS - 011 | SABRE VRN2A |
| SF00038584 | Ayrshire | PEMBERTON VALLEY 2-011 | SABRE VRN2A |
| SF00038574 | Ayrshire | ST ANDREWS PMPS MONKTON-011 | SABRE VRN2A |
| SF00040366 | Ayrshire | WYLLIES (NEW) AYR S-011 | SABRE VRN2A |
| SF00040354 | Central & Fife | BLUEBELL APPAREL LTD-011 | SABRE VRN2A |
| SF00039331 | Central & Fife | BROOMHILL PRIMARY SCHOOL-011 | SABRE VRN2A |
| SF00040356 | Central & Fife | FRIARS BRAE LINLITHGOW-011 | SABRE VRN2A |
| SF00040355 | Central & Fife | INTERMOLLASSES-011 | SABRE VRN2A |
| SF00038568 | Central & Fife | McDONALDS BATHGATE - 011 | SABRE VRN2A |
| SF00038575 | Central & Fife | MELVILLE WOOD LANDFILL - 011 | SABRE VRN2A |
| SF00038572 | Central & Fife | MERCAT-011 | SABRE VRN2A |
| SF00040353 | Central & Fife | NEALE HOUSE-011 | SABRE VRN2A |
| SF00038579 | Central & Fife | NETHERTON PLACE WHITBURN-011 | SABRE VRN2A |
| SF00038573 | Central & Fife | TAMFOURHILL IND EST-011 | SABRE VRN2A |
| SF00038585 | Dumfries | BISHOPBURN-011 | SABRE VRN2A |
| SF00038570 | Dumfries | CAERLAVEROCK SC-011 | SABRE VRN2A |
| SF00038577 | Dumfries | KIRKLAND RD DUMFRIES-011 | SABRE VRN2A |
| SF00038582 | Dumfries | SHAPERS CLUB-011 | SABRE VRN2A |
| SF00040367 | Edinburgh & Borders | CRAIGHALL TERRACE-011 | SABRE VRN2A |
| SF00038571 | Edinburgh & Borders | DRUMBRAE LIBRARY - 011 | SABRE VRN2A |
| SF00038569 | Edinburgh & Borders | LAWHOUSE TOLL - 011 | SABRE VRN2A |
| SF00040363 | Edinburgh & Borders | LIDDIESDALE ROAD-011 | SABRE VRN2A |
| SF00040357 | Edinburgh & Borders | LORETTO SCHOOL-011 | SABRE VRN2A |
| SF00038566 | Lanarkshire | 29 DEERDYKES PLACE - 011 | SABRE VRN2A |
| SF00038581 | Lanarkshire | CAIRD DATA CENTRE - 011 | SABRE VRN2A |
| SF00038567 | Lanarkshire | MORNINGSIDE ROAD - 011 | SABRE VRN2A |
| SF00039339 | Lanarkshire | ROMAN ROAD M/WELL-011 | SABRE VRN2A |
| SF00038583 | Lanarkshire | WELLWYND NEW - 011 | SABRE VRN2A |
| SF00040360 | SPM | Not commissioned | SABRE VRN2A |
| SF00039879 | SPM | Not commissioned | SABRE VRN6A |

| | | | |
|------------|-------------|--------------------------------|----------------|
| SF00040070 | SPM | Not commissioned | SABRE VRN6A |
| SF00040579 | SPM | ALBINI HOUSE - 011 | SABRE VRN2A |
| SF00040583 | SPM | BOOTH'S HILL CLOSE - 011 | SABRE VRN2A |
| SF00039347 | SPM | BORFA GREEN EAST-011 | SABRE VRN2A |
| SF00039874 | SPM | CONWAY BUSINESS CENTRE - 006 | SABRE VRN6A |
| SF00040582 | SPM | DOLGYFEILIAU-011 | SABRE VRN2A |
| SF00039878 | SPM | ELMSWOOD ROAD-011 | SABRE VRN6A |
| SF00040577 | SPM | FARRAR ROAD-011 | SABRE VRN2A |
| SF00040578 | SPM | GLYN RHONWY UCHAF - 011 | SABRE VRN2A |
| SF00039873 | SPM | GREENBANK DR HOSTEL-006 | SABRE VRN6A |
| SF00040581 | SPM | HIGH STREET-011 | SABRE VRN2A |
| SF00039335 | SPM | HOPE CHAPEL-011 | SABRE VRN2A |
| SF00039875 | SPM | J.SAINSBURY-011 | SABRE VRN6A |
| SF00039880 | SPM | JUDGES DRIVE-006 | SABRE VRN6A |
| SF00039876 | SPM | KINGSWAY PRESCOT-011 | SABRE VRN6A |
| SF00039877 | SPM | LOCARNO WEST DERBY R-011 | SABRE VRN6A |
| SF00039882 | SPM | MERSEY CAN.ROCKFERRY-011 | SABRE VRN6A |
| SF00039881 | SPM | MILL LANE POULTON-011 | SABRE VRN6A |
| SF00040066 | SPM | SANKEY STATION-011 | SABRE VRN6A |
| SF00040068 | SPM | TILSTON ROAD - 006 | SABRE VRN6A |
| SF00040067 | SPM | VINCENT CLOSE-011 | SABRE VRN6A |
| SF00040574 | SPM | WELSH SAUSAGE FACTORY - 011 | SABRE VRN2A |
| SF00040069 | SPM | WEST DERBY TECH COLL-011 | SABRE VRN6A |
| SF00038521 | Lanarkshire | STRATHKELVIN RETAIL PARK - 011 | SABRE VRN2A |
| SF00040071 | SPM | GROVE STREET-011 | SABRE VRN6A |
| SF00038524 | Edinburgh | TESCO QUEENSFERRY RD – 011 | SABRE VRN2A |
| SF00040361 | Ayrshire | HIGHHOUSE AUCHINLECK-011 | SABRE VRN2A |

UPDATE:

**REMEDIAL
ACTION:**

Replacement of the operating mechanism shall be replaced to a programme in liaison with Lucy Switchgear. The SOP shall be removed once this task has been completed.

8. SOP HEADER

| Field Name | Field Value | Field Size |
|---|---|-------------------|
| Name (SOP) | SOP399 Lucy Sabre VRN2A/VRN6A RMUs (limited serial no range) | 61 |
| The reason for the * Operational Restriction | Ring switch mechanism failure | 30 |
| Nature of the * Operational Restriction | No live operation | 50 |
| Comments * | Serial number range supplied by Lucy. All live operation of the ring switches is banned. See OPSAF-16-399 for details. Automation schemes requiring these units to operate shall be switched off. | 200 |
| Restricted Access to * Substation Flag | N | 1 |
| Search Criteria * | Lucy Switchgear Type VRN2A/VRN6A. Serial numbers specified by Lucy. (Total 59 – SPD 33; SPM 23; SPM Not Commissioned 3) | N/A |

* This denotes a Mandatory Field

Notes:

The SOP name must adhere to the following convention:
SOP followed by three digits with no space e.g. SOP024.