

1. SCOPE

This document details the application of SOP 201 (Applicable to ABB Sentinel 11kV Ring Main Units) 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
May 2023	2	Benjamin Hughes	New format with SOP header.

3. ISSUE AUTHORITY

Author	Owner	Issue Authority
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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.

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7. SOP DETAILS

EQUIPMENT TYPE	ABB Sentinel 11kV Ring Main Units
ORIGINATING COMPANY	London Electricity Board
DATE	12/03/98
NUMBER INSTALLED IN ENERGY NETWORKS NORTH	0
NUMBER INSTALLED IN ENERGY NETWORKS SOUTH	300 (26 affected)
REASON	Ring switches indicating ON after a closing operation were found to be open on two phases. Plastic shrouds on early units can become detached within the switch due to vibration. It is possible for the shrouds to become lodged between the fixed and moving contacts preventing correct operation of the switch from OFF to ON.
STATUS IN INITIATING COMPANY	Embargo on the operation of ring switches. The embargo is lifted on the operation of the Right-Hand Switch only when the Left Hand (No1) switch is correct in the CLOSED position.
SPEN APPLICATION	RESTRICTION Operation of the ring switches from OFF to ON is not permitted with any portion of the unit live. This switching action is only permissible under a PFW, where the requirement is to prove the continuity of the closed RSWs prior to remote energisation. There is no restriction of the ON to OFF, OFF to EARTH and EARTH to OFF Operations of the RSW.
ADDITIONAL INFORMATION	
UPDATE	07/10/98 – Serial number range of affected units revised to (001 S01) - (185 S01).
REMEDIAL ACTION	SOP is permanent.

8. SOP HEADER

Field Name	Field Value	Field Size
Name (SOPXXX) *	SOP201	6
The reason for the Operational Restriction *	11kV RSW fault	30
Nature of the Operational Restriction *	Internal part detachment – Incomplete OFF to ON op	50
Comments *	Op of the RSW from OFF to ON prohibited on energised units. OFF to ON op is only permissible under a PFW, with a requirement to prove the continuity of the closed RSW prior to remote energisation	200
Restricted Access to Substation Flag *	Y <u>N</u>	1
SOP Impact Code * (highlight or underline the appropriate code)	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
SOP component type * (highlight or underline the appropriate code)	01 Bushing only 02 Circuit Breaker 03 Fixed Portion only 04 Moving Portion only 05 Switch <u>06 RMU</u> 07 Transformer only 08 Tap Changer only 09 Transformer & Bushing 10 Transformer & Tap Changer	N/A
Search Criteria *	Manufacturer: *ABB* Text Model: *Sentinel 1* Serial Numbers Range (00001-S01 to 00185-S01), In addition SOP to be applied on any units where serial number information is missing or not in recognisable format *XXXXX-S01* Note: SOP shall be applied to both RSWs of the RMU	N/A

* This denotes a Mandatory Field