

OPSAF-16-162 Issue No. 2

1. SCOPE

This document details the application of SOP 162 (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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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. It is published on the SP Energy Networks website.



3 .		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
	0	COD HEADED	



OPSAF-16-162 Issue No. 2

7. SOP DETAILS

EQUIPMENT TYPE ABB Sentinel 11kV Ring Main Units

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ORIGINATING COMPANY MANWEB

DATE 07/05/96

NUMBER INSTALLED IN

ENERGY NETWORKS NORTH

NUMBER INSTALLED IN 300 (19 affected units) ENERGY NETWORKS SOUTH

REASON Potential for overtravel of switch blades during switching from

ON to OFF resulting in the switch blades being positioned

between OFF and EARTH.

STATUS IN INITIATING

COMPANY

All live operation of ring switches banned within serial range

241 and 525.

SPEN APPLICATION As above – SPEN derived SOP.

ADDITIONAL INFORMATION

UPDATE 02/07/96 The manufacturer has now identified the cause of the

problem. Units affected are limited to those having serial numbers within the range 00241 to 00525. Units outside this range are now free from all

restrictions under SOP 162.

17/07/96 19 pairs of ring switch mechanisms have now been

fitted to units held at Queensferry, these units have been marked with the suffix "D" after the serial number. These units will be free from restriction

under SOP 162.

27/01/97 All units with the suffix "C" after the serial number will

be free from restriction under SOP 162.

REMEDIAL ACTION SOP is permanent.

OPSAF-16-162 Issue No. 2

8. SOP HEADER

Field Name		Field Value	Field Size	
Name (SOPXXX) *		SOP162		6
The reason for the * Operational Restriction		11kV RSW fault		30
Nature of the * Operational Restriction		Potential for overtravel of switchblades		50
Comments *		Ban on live operation of 11kV ring switches		200
Restricted Access to Substation Flag	*	Y	<u>N</u>	1
* (highlight or underline the appropriate code) * Usery minor operational/network impact 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 02 Circuit E 03 Fixed Po 04 Moving 05 Switch 06 RMU 07 Transfor 08 Tap Cha 09 Transfor		01 Bushing only 02 Circuit Breaker 03 Fixed Portion only 04 Moving Portion only 05 Switch	ning only uit Breaker d Portion only ing Portion only ch J esformer only Changer only esformer & Bushing	
Search Criteria	*	Manufacturer: *ABB* Text Model: *Sentinel 2* Serial Numbers Range (00241-S02 to 00525-S02), In addition SOP to be applied on any units where serial number information is missing or not in recognisable format *XXXXX-S02* Note: SOP shall be applied to both RSWs of the RMU		N/A

^{*} This denotes a Mandatory Field