

1. SCOPE

This document details the application of SOP 380 (Applicable to ABB Shielded Pattern LV Fuse Cabinets) issued by the Energy Networks Association.

This is for information only as the SOP has not been applied in SPEN.

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
August 2017	1	Alan MacGregor	Initial issue

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 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.

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7. SOP DETAILS

EQUIPMENT TYPE	ABB Shielded Pattern LV Fuse Cabinet with 4mm test sockets
ORIGINATING COMPANY	Electricity North West
DATE	25 January 2012
NUMBER INSTALLED IN ENERGY NETWORKS NORTH	1540
NUMBER INSTALLED IN ENERGY NETWORKS SOUTH	None
REASON	Incidents have occurred where the insulation surrounding the 4mm test sockets on ABB LV boards have failed, resulting in a flashover to the earthed metalwork of the LV board. This SOP applies to both the fused and unfused variants of 4mm test sockets.
STATUS IN INITIATING COMPANY	Use of 4mm test sockets on all ABB LV boards and cabinets is prohibited. Where damaged sockets are found during routine inspections they shall be assessed and an urgent outage planned to disconnect and remove the sockets. In all cases this will require a shutdown and PFW issued.
SPEN APPLICATION	SOP not applied in SPEN. Previous application of the similar SOP215 initiated remedial work in SPEN, which was completed, to cover all the sockets and prevent use.
ADDITIONAL INFORMATION	None
UPDATE	None
REMEDIAL ACTION	None

8. SOP HEADER

Field Name	Field Value	Field Size
Name (SOP380) *	SOP380 ABB Shielded LV Fuse Cabinet with 4mm test sockets	61
The reason for the Operational Restriction *	SOP 380 is not applied in SPEN	30
Nature of the Operational Restriction *	Flash-over due to test sockets insulation Failure	50
Comments *	SOP 380 is not applied in SPEN	200
Restricted Access to Substation Flag *	Y N	1
SOP Impact Code * <i>(highlight or underline the appropriate code)</i>	0 Temporary/Impact under assessment 1 Very 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	0
SOP component type * <i>(highlight or underline the appropriate code)</i>	01 Bushing only 02 Circuit Breaker 03 Fixed Portion only 04 Moving Portion only 05 Switch 06 RMU 07 Transformer only 08 Tap Changer only 09 Transformer & Bushing 10 Transformer & Tap Changer	N/A
Search Criteria *	N/A	N/A

* This denotes a Mandatory Field