

1. SCOPE

This document details the application of SOP 2015/0400/00 issued by the Energy Networks Association. This is applicable to a number of Hawker Siddeley Switchgear Falcon Beta RMUs.

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
25 November 2015	1	Alan MacGregor	Initial issue
17 Jan 2019	2	Patrick Dolan	Revision of restriction applied based on additional information from the OEM, update of the SOP Header to latest version of the template

3. ISSUE AUTHORITY

Author	Owner	Issue Authority
Patrick Dolan Lead Engineer Engineering Design and Standards	Fraser Shaw Substations Manager	Fraser Ainslie 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:	Hawker Siddeley Switchgear Falcon Beta RMUs
Originating organisation:	Manx Electricity Authority
DATE:	17 November 2015
Number installed in SPEN (Scotland)	34
Number installed in SPEN (England & Wales)	182
Reason for SOP:	Momentary energisation of outgoing cable terminals on the RMU during an operation to remove the earth.
Status of SOP in initiating organisation:	"Units in the affected range MUST have the RMU made dead prior to the removal of the EARTH on the CB part of the unit. This can be achieved by opening the gas switches on the affected unit to temporarily make the busbars dead whilst carrying out the operation. There is no requirement for the RMU to be made dead remotely."
SPEN application of SOP:	Switching of the CB ESW (EARTH ON to EARTH OFF) is not permitted whilst the BB is live. All other operations are permitted and the CB Switch can still be used as a point of isolation
ADDITIONAL INFORMATION:	Updated from previous SOP limitation, "No circuit breaker manual switching shall be carried out with the RMU busbars live."
UPDATE:	SOP restriction revised upon advice from Hawker Siddley prompted by feedback from Operational staff that the original restriction applied was not clear
REMEDIAL ACTION:	Hawker Siddeley Switchgear have not offered a solution to cost effectively repair the unit

8. SOP HEADER

Field Name	Field Value	Field Size
Name (SOP)	SOP400 Hawker Siddeley Falcon RMU	61
The reason for the Operational Restriction *	CB mechanism fault	30
Nature of the Operational Restriction *	No CB ESW (ON->OFF) operation with RMU BB live	50
Comments *	Switching of the CB ESW (EARTH ON to EARTH OFF) is not permitted whilst the BB is live. All other operations are permitted and the CB Switch can still be used as a point of isolation	200
Restricted Access to Substation Flag *		1
SOP Impact Code (highlight or underline the appropriate code) *	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	4
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 06 RMU 07 Transformer only 08 Tap Changer only 09 Transformer & Bushing 10 Transformer & Tap Changer	02
Search Criteria *	Hawker Siddeley Switchgear Types Falcon and Falcon Beta	N/A

* This denotes a Mandatory Field

Notes:

The SOP is associated with the RMU CB, the component type listed is the CB, it is essential that this restriction is visible in Power ON as a warning for switching action Earth ON to Earth OFF.