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OVERCURRENT/EARTH FAULT PROTECTION

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PURPOSE AND SCOPE

This document is provided as a generic SCT for the function of overcurrent and earth fault protection. The SCT is not manufacturer or type specific and so reference should be made to the particular relay's commissioning section of the equipment's manual for particular instruction. Additional relay specific test requirements - most to be added to this document.

The overcurrent and earth fault function is typically housed within standalone equipment but may be integrated within other light current equipment. Although this SCT should be used for commissioning the overcurrent and earth fault function within integrated equipment, other SCTs may be required to cover the full functionality of the integrated equipment. PART 1 – procedural

PART 1 – PROCEDURAL

1 RESPONSIBILITY

Those undertaking the commissioning of this equipment in accordance with the recognised commissioning procedure have responsibility for completing the commissioning of the equipment in accordance with this SCT.

2 FORMS AND RECORDS

SCT 20.5.3.A	Schedule of Site Commissioning Tests
SCT 20.5.3.B	Commissioning Stage 1
SCT 20.5.3.C	Commissioning Stage 2

PART 2 - DEFINITIONS AND DOCUMENT HISTORY

3 DEFINITIONS

Not applicable.

4 AMENDMENTS RECORD

Issue	Date	Summary of Changes / Reasons	Author(s)	Approved By (Inc. Job Title)
1	June 1991	New document		
2	June 1998			
3	Oct 2000	Reference to specific relays removed and generic approach has been adopted to provide for large variety of overcurrent and earth fault relays in existence. Stage 1 and 2 signatory sheets provided. Re-write - Style more consistent with recent SCTs.	David Armstrong	David Humphreys Head of Protection and Measurements
4	August 2004	Inclusion of relay function and primary operate current calculation	Trevor Jones Asset Policy Manager	Mike Dean Asset Strategy Manager
5	June 2011	Appendix B updated. Verifying relay settings.	Simon Pomeroy Asset Management	Ursula Bryan Asset Policy Manager

5 IMPLEMENTATION

5.1 Audience Awareness

Audience	Purpose Compliance (C) / Awareness (A)	Notification Method Memo / letter / fax / email / team brief / other (specify)
Construction, Alliance, Contractors, Consultants, MDE	C	Email

5.2 Training Requirements

Training Needs N/A / Informal / Workshop / Formal Course	Training Target Date	Implementation Manager
N/A	N/A	N/a

5.3 Compliance

Via the UKBP/TP 141 process.

5.4 Procedure Review Date

2 years from publication date.

PART 3 - GUIDANCE NOTES AND APPENDICES

APPENDIX A - SCHEDULE OF SITE COMMISSIONING TESTS

SCT 20.5.3 - OVERCURRENT/EARTH FAULT PROTECTION

Station		Circuit	
Relay Function: (eg. standby earthfault, feeder earthfault)			
Manufacturer's Contract No			
NG Contract No			
Contractor			