

## Company Directive

### STANDARD TECHNIQUE: CA2T/4

#### Relating to Tools Required for 11kV Cable Jointing

##### Policy Summary

This Standard Technique document details the tooling and certain test equipment required for 11kV Jointing and in addition details the respective E5 item numbers.

The jointer is responsible for the safe custody and care of tools as issued.

You shall work safely and skilfully, utilising the training/instruction you have already received, relating to the contents of this document and its cross-references.

You must make sure that you understand your job instructions and that you have the necessary tools and equipment for the job.

**Author:** Richard Summers

**Implementation Date:** December 2017

**Approved by**



**Policy Manager**

**Date:**

15 December 2017

*All references to Western Power Distribution or WPD must be read as National Grid Electricity Distribution or NGED*

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## **IMPLEMENTATION PLAN**

### **Introduction**

This updated Standard Technique document contains a list of dedicated 11kV Tooling.

### **Main Changes**

Reformatting of the document to remove non specialist tools.

### **Impact of Changes**

None.

### **Implementation Actions**

Team managers to disseminate the information to their respective 11kV Jointers.

### **Implementation Timetable**

This Standard Technique can be implemented with immediate effect.

## REVISION HISTORY

Document Revision & Review Table		
Date	Comments	Author
December 2017	Reformatting of the document to show only dedicated 11kV tools.	Richard Summers
May 2016	Document has been modified to take into account the change to E 5 and the harmonization of the 11kV cables within the company with a list of dedicated tooling required for jointing at 11kV.	Peter White
April 2013	<p>The changes that have been made to this document are the inclusion of all the 11kV cables and the associated general requirements which have over the years been used in the Midlands Areas and not used in the South Wales and South Western areas, thus providing a unified common document applicable to the whole company.</p> <p>Rectification of known typographic errors.</p>	Peter White

## 1.0 GENERAL

This Standard Technique document contains a list of specialist tooling required for 11kV jointing. Additional tooling will be required and will consist of insulated tools, hand tools and gas equipment. Details of this additional tooling can be found in ST.CA1Z.

### Dedicated 11kV Tooling

Adaptor 1/4" female to 1/2" drive male	60218
Allen key 6mm 124mm long – ½" drive	42498
Allen Key 6mm	41832
Allen Key 4mm (insulated socket)	60217
Bonded semi-con removal Tool 16-40mm BT 244750 (Boddingtons)	Non stock
Calliper - Foam Build-Up Tape (Lovink)	41015
Calliper - Outer Sleeve Build-Up Tape (Lovink)	41016
Champher tool (Boddingtons Electrical Ltd.)	61765
Earth Continuity Strap - TCC (WPD)	40403
File - Abra	40726
Insulation Stripping tool - Pirelli 8YROBRMCD1 LH1	40401
- Spare Blade	40402
Jerry Can Stand (Straight & Branch)	41017
Scissors – 200mm (8")	32579
Knife – depth guarded 0.4mm	40400
Knife – depth guarded 0.6mm	61114
Pliers - PG 2	40396
- PG2/3 Spare Blade (Circumferential)	40397
- PG2/3 Spare Blade (Longitudinal)	40398
- PG2/3 Spare Blade (Claw Blade)	40399
- PG3	41199
PICAS Cutting Tool	51762
PICAS Cutting Tool – Spare wheel	51762
Ratchet Strap Minimum Length 2m	Non stock
RMU magnetic holding tool – Boddingtons Part No B10005	Non stock
Sockets ½" drive – 22mm	41828
- 24mm	42514
Spiking Gun Cleaning kit	42722
Spiking Gun Resin Mould	41976
Stress Cone Applicator Tool - 70mm <sup>2</sup> Conductor	41116
- 95/185/240/300mm <sup>2</sup> Conductor	41198
- 630mm <sup>2</sup> Conductor	41197
Coopers LBITOOL (Langley Eng)	Non stock
Coopers LPW 1525/TL 120X (Langley Eng)	Non stock
Wrench - torque adjustable ½" drive 12-60Nm	61766

## **APPENDIX A**

### **SUPERSEDED DOCUMENTATION**

This Standard Technique is a revision of document ST:CA2T/3 dated April 2016 and replaces that document.

## **APPENDIX B**

### **ASSOCIATED DOCUMENTATION**

ST:CA2A, ST:CA2C, ST:CA2M, ST:CA2N, ST:CA2O, ST:CA2S, ST:CA2U, ST:CA2V.

## **APPENDIX C**

### **KEY WORDS**

11kV standard hand tools.