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# Policy Newsletter

## February 2023

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# February policy updates



Ref	Issue	Title
CP411Pt1N	14	LV Cable Jointing Manual
CP423	3	Linesmen's Manual – Live Line Working
CP606	64	Operations Manual
EPD283	3	LV Design Manual
CP411Pt2N	3	11kV Cable Jointing Manual
CP421-4	10	Maintenance and Refurbishment of Overhead Lines – LV Mains Supported by Poles
EPD307	24	Equipment Approved for Use on Electricity North West Network
EPD332	3	Customer Installation Earthing
EPD333	4	Supply System Earthing

# Major policy updates



# CP411Pt1N – LV Cable Jointing Manual



## LV Cable Jointing Manual

Code of Practice 411 Part 1 N

### VOLUME 1

#### Supporting Information

- Section 0 – Introduction
- Section 1 – General Introduction
- Section 4 – Tools & Equipment
- Section 5 – Miscellaneous
- Section 6 – Index

(Section 2 and 3 are in separate Volumes)



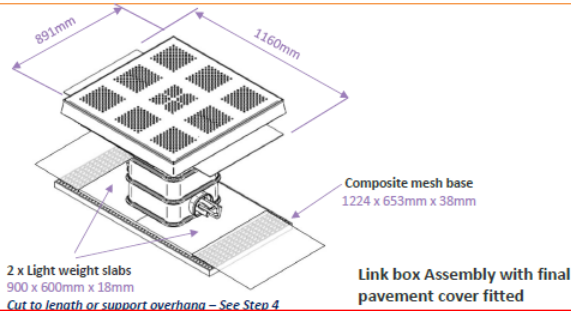
electricity north west Bringing energy to your door	INSTALLATION OF 2-WAY PRYSMIAN LINK BOX (FOR KELVATEK RELINK EQUIPMENT)	Jointing Instruction	ULB/2A
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#### Installation Sequence

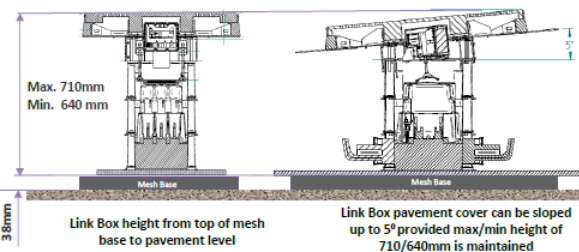
##### Part 1 - Excavation Depth and Preparatory Works

NOTE: Correct preparation of the joint bay and link box on a firm level base will ensure continuous reliable operation.

1. Excavate the joint bay to accommodate the box and to provide adequate working space for jointing (including any adjacent joints to network cables) and to ensure the final pavement cover (to be installed later) is correctly positioned.



2. The Link Box should be installed on a firm compacted level base.  
The depth from the top of the composite mesh base to the pavement level shall be 710mm maximum and 640mm minimum  
Note, the pavement cover can be on an incline of up to 5 degrees from horizontal as long as max./min. depth dimensions are maintained.

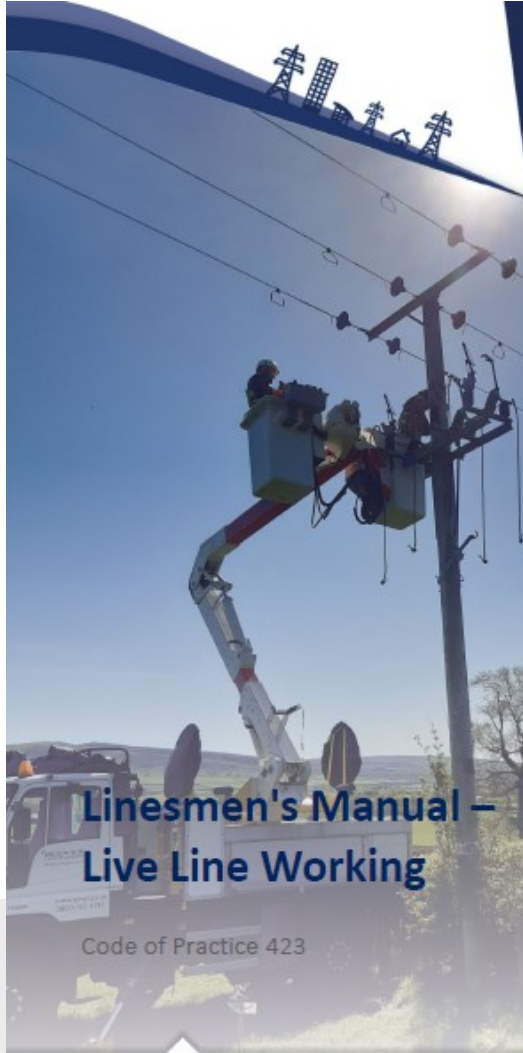



Standard Technique 13.5 updated to allow for load curtailment devices.




ULB2 A update of procedure for installing Prysmian link box following trails.








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**REPLACE FAULTY PIN INSULATOR:  
HV RUBBER GLOVE WORK  
(LIVE WORK)**


**LL  
Instruction  
22-15**

**Scope/Application**

This LL instruction (for HV rubber glove work) applies to replacing pin insulators that have been identified as faulty.

**Safety Information**

 The Safety Requirements of Section 1 of this manual and each LL Technique referenced must be followed.


 Work shall be carried out in accordance with the General Requirements of Section 1 of this manual.  
Work, tools and equipment, materials, PPE and work wear shall comply with Section 1 of this manual and each LL Technique referenced.

**Preliminary Operations**

Refer to Section 1 of this manual.

**Work Sequence**

Select the steps and LL Techniques relevant to the work you are doing from the following work sequence.

 **WARNING:** Carry out initial inspection and operations until the containment shroud has been applied from a safe distance in case faulty insulator fails.

	LL Technique No.
1. Prepare for the task.	14
2. Inspect PPE, flexible rubber shrouding and tools & equipment.	15, 16, 17
3. Prepare IAD and perform pre-operational checks.	18
4. Plan job and hold Site Risk Assessment and Job Planning Meeting.	13
5. Determine method for relocating/supporting conductors.	20
6. Load equipment into IAD and approach work area.	19
7. Identify faulty insulator using Cross arm leakage detector and phasing out across the pin insulator	-
8. Commence task applying fundamental principles and precautions.	12

Issue 1  
January 2023
Section 3  
CP423: Linesmen's Manual – Live Line Working  
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Page 1 of 2



New Instructions for the changing of fault HV insulators. Amendment to other instructions and technique.



- Changes have been made to the following documents:
- LL Technique 016
  - LL Instruction 22-07
  - LL Instruction 22-09
  - LL Instruction 22-15 - NEW
  - LL Instruction 22-16 - NEW





“CP606 Procedure A10 – Tree Work and Vegetation Clearance in Proximity to Live Overhead Lines” - Amendments to allow mechanical plant for tree cutting with the use of height restrictor and MEWP’s with both height/slew restrictors. Additional amendments for cutting Category A, B & C Trees.



New application guide – “Application Guide to Policies for Tree Work and Vegetation Clearance in Proximity to Overhead Lines



## Tree Cutting

Issue 1     January 2023

**Application Guide to Policies for Tree Work and Vegetation Clearance in Proximity to Overhead Lines**





## Electricity Policy Document 283

Issue 3 January 2023

### Low Voltage Design

#### 4.9 Looped Services

Looped services were conceived as an economic and simple way to enable the widespread expansion of distribution networks in the mid twentieth century and have provided satisfactory performance over many years. However, the national transition to a low carbon economy has seen the introduction Low Carbon Technologies (LCTs) such as domestic heat pumps, storage, solar panels and electric vehicles. The demand profile of heat pumps and electric vehicles puts a sustained load on the service. Dependent upon the existing customer load it may be that looped services do not have sufficient capacity to meet the demand characteristics of these devices.

Domestic storage systems generally operate in tandem with solar panels and other domestic generation to minimise power flows across the meter. Also, EREC G100 limitation schemes are often used to manage power flows. Unlooping is therefore not a policy requirement for connection of domestic storage or generation. Unusually large installations above 32A per phase shall be designed on their own merits with unlooping decisions taken accordingly.

Jan 23



Policy covering the requirements to de-loop services modified to allow looped services to remain in some situations. Triage assessment process introduced



# Minor policy updates







## **CP411Pt2N – 11kV Cable Jointing Manual**

- Instruction for Sicame Cold Shrink Indoor Termination updated as commodity code for 400mm<sup>2</sup> and 630mm<sup>2</sup> versions were incorrect.

## **CP421-4 – Maintenance and Refurbishment of Overhead Lines – LV Mains Supported by Poles**

- Updated to allows third party telecoms operators to replace copper with fibre for existing attachments and reattach after poles changes.

## **EPD307 – Equipment Approved for Use on Electricity North West Network**

- Appendix E updated to include a new mask for Asbestos Work which is on Trial within ENWL and ENWS.



## **EPD320 – Management of PCBs**

- New Format applied. One minor clarification to wording in Section 7 as marked. No technical changes have been made.

## **EPD055 – Electrical Asset Inspection Strategy**

- New template applied.

## **EPD332 – Customer Installation Earthing**

- New template applied.



## **EPD333 – Supply System Earthing**

- New template applied.

## **EPD356 – Inspection and Maintenance of Flood Protection Assets**

- New template applied.