

# Low Voltage Service Boxes, Cabinets and Subterranean Vaults Commissioning Certificate

**Certify** where required that the information written on this Certificate (and its attachments) is a true and correct record of the works undertaken and that the equipment is ready and safe to be commissioned.

**Retain** a copy of this Certificate (plus its attachments) on your files and send all of the originals to Powerco as prescribed in *360S014 Electricity As-Built Reporting Standard*.

**Record** LV Link Boxes and Link Cabinet commissioning details on *220F028D Low Voltage Link Box and Cabinets Test Certificate*.

Complete this form when installing a new or replacing an existing Service Box, Cabinet or Subterranean Vault. This form can be used for up to 4 boxes.

Use form 220F028D if the Service box contains paralleling links or is a link box.

Complete form 220F028E if any service cables are installed or disconnected and reconnected.

Complete form 220F028G If network connections have been altered (e.g., jointed, repaired, added connections etc.)

Job Name		Contractor Name	
No / Street / Road		Town/District	
		Contractor Ref. No.	
CIWR No.		Date Completed	
SAP W/O No.			

**a) As-Built Information Records have been uploaded to SAP**

**Confirmed ✓**

360S014EE As-built Electrical Equipment Record	
360S014ED As-built LV Box Record	
360S014EI As-built Underground Network Distribution Panel Layout Record	
Labelling completed per 393S004 Labelling and Safety Signage Requirements Standard	

**b) Installation checks. The box/cabinet/vault is installed:**

**(✓) if acceptable or (✗) if not acceptable**

at the correct location as per 393S009 UG Design Standard	
at the correct height with respect to the proposed finished ground level and manufacturers recommendations	
with all connections touch safe (IP2X of IEC 60529 - a standard test finger cannot make contact with live parts)	

**c) Neutral Connection**

**Confirmed ✓ or N/A**

	Powerco Box ID No.: _____			
Each neutral is securely connected to the neutral bar				
The neutral bar is securely connected to an earth rod via a 35mm <sup>2</sup> cable (Only required at end of line/circuit)				

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**d) Loop Impedance Tests:** Measured at the source/supply side of each LV fuse holder (Refer 220S047 Loop Impedance Testing Standard). Loop impedance is used to check connection integrity (all connections to be tested/checked).

( if all connections are acceptable or ( if connections are not acceptable)

	Powerco Box ID No.:			
	_____	_____	_____	_____
R to W (all points)				
R to B (all points)				
W to B (all points)				
R to N (all points)				
W to N (all points)				
B to N (all points)				

Note: Acceptable Loop Impedance results shall not exceed maximum values for the size of service fuse connected to the line. If fuse sizes are unknown results should be less than 0.5 Ohm for residential areas or less than 0.2 Ohm for commercial/industrial areas. Refer to 220S047, Table 1.

### e) Low Voltage Checks (measured at the source/supply side of LV fuses)

Phases	Measured Volts				Acceptable Results Shall Be Between	Confirmed ✓
	Powerco Box ID .:					
R to W					388* V to 424 V	
W to B					388* V to 424 V	
B to R					388* V to 424 V	
R to N					224* V to 243 V	
W to N					224* V to 243 V	
B to N					224* V to 243 V	

\*These numbers allows for volt drop on the service cable

### f) Testing Attestation

I certify that the work to which this certificate applies has been done lawfully and safely and that the information in this certificate is correct and that the equipment is safe to energise

Print Name		Signed	
Date		ISN ID Number	

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## Document Control

Version	Date	Change
3	1st August 2025	Authorised by and Document Owner change Added 360S014ED <i>As-built LV Box Record</i> to list of As-Built Information Records to be uploaded to SAP as this document relates to LV Boxes