Low Voltage Link Boxes and Link Cabinets Test Certificate

Version 4 – **220F028D**
Issued Date **9 December 2025**

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.*

220F028D applies to either installing a new or replacing an existing LV Link Box/Cabinet with or without service connections. If the box contains more than four (4) circuits a pre-determined commissioning plan must be used.

Use form 220F028C to Record LV Service Boxes, Cabinets and Subterranean Vaults (without links for paralleling circuits).

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.		Powerco Box ID 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*	
Number of link circuits in box (Record number)	

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	**Circuit 1 ✓**	**Circuit 2 ✓**	**Circuit 3 ✓**	**Circuit 4 ✓**	**Incomer ✓**
Neutrals are securely connected to each other at a neutral bar or by through jointing					

d) Earthing Checks	**Confirmed ✓ or N/A**
The neutral bar is securely connected to an earth rod via a 35mm^2 cable (End of line earth)	
If metal cabinet: The metal frame is earthed with a (minimum) 16 mm^2 conductor	
If metal cabinet: The door is bonded to the cabinet frame with 16 mm^2 conductor	

e) Phasing Out Checks Across Parallel Points (at service/link box or underground/overhead connection)

Where the LV circuit can be connected to a neighbouring network/s circuit/s by means of an existing switch or other device - e.g., Stangers or links, a phasing check, across each paralleling point, must be carried out to ensure that the phasing of the new works is consistent with the neighbouring network/s and is/are safe to parallel.

After confirming that all circuits are alive, measure across the open paralleling device: Record circuit designation.

Measured points	**Measured Volts**				**Acceptable Results**	**Confirmed ✓**
	Circuit_____ to Circuit _____	**Circuit_____ to Circuit _____**	**Circuit_____ to Circuit _____**	**Circuit_____ to Circuit _____**		
R to R	V	V	V	V	Less than 10 V	
W to W	V	V	V	V	Less than 10 V	
B to B	V	V	V	V	Less than 10 V	

f) 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.: _____	Powerco Box ID No.: _____	Powerco Box ID No.: _____	Powerco Box ID No.: _____	**Confirmed ✓**
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.

g) 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	