

Overhead Low Voltage Distribution Circuit Test 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*.

Complete this form whenever a new overhead circuit is built or reconfigured.

| | | | | | |
|--------------------|--|--------------------|--|-----|--|
| Job Name | | Contractor Name | | | |
| No / Street / Road | | Between Pole No. | | and | |
| | | Town/District | | | |
| CIWR No. | | Contractor Ref. No | | | |
| SAP W/O No. | | Date Completed | | | |

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

Confirmed ✓

| | |
|--|--|
| 360S014EB As-built Electrical Distribution Record | |
| 360S014EQ Commissioning Conductor Tensioning Method & Results Run Form | |
| All circuits correctly labelled per 393S004 Labelling and Safety Signage Requirements Standard | |
| Visual check of overhead construction over route | |

b) Phase and Neutral conductor confirmation

Confirmed ✓

| | |
|---|--|
| The overhead line phase conductors are connected to the correct transformer phase via HRC fuses | |
| The overhead line neutral conductor is securely connected to the transformer neutral/earth bar | |

c) End of Line Earth checks

| | |
|--|--------------------|
| Visual and physical check to confirm that neutral is securely connected to a single driven earth rod | Confirmed ✓ |
| Circuit 1 | |
| Circuit 2 | |
| Circuit 3 | |
| Circuit 4 | |

d) Powerco owned Pilot Wire Circuit Checks

| | Measured Voltage | | | | Confirmed ✓ |
|------------------|------------------|-----------|-----------|-----------|--|
| | Circuit 1 | Circuit 2 | Circuit 3 | Circuit 4 | |
| Water Heating -N | | | | | Acceptable Results shall be between 238 V to 244 V |
| Streetlight - N | | | | | |

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e) Loop impedance checks

Measured at the end of each circuit or beyond where connections have been altered (Refer 220S047 Loop Impedance Testing Standard): Indicate Test Position e.g.: End of cct., beyond pole 123456 etc. Test should be conducted at the source side of an open fuse holder or directly on the line if no fuses are installed.

| Circuit 1: Test Position | | Circuit 2: Test Position | | Circuit 3: Test Position | | Circuit 4: Test Position | | Acceptable Impedance results shall not exceed maximum values for the size of service fuse connected to the line. Refer to 220S047, Table 1 |
|--------------------------|------------------|--------------------------|------------------|--------------------------|------------------|--------------------------|------------------|--|
| Measured Impedance | Measured Voltage | |
| R to W | Ω | V | Ω | V | Ω | V | Ω | V |
| R to B | Ω | V | Ω | V | Ω | V | Ω | V |
| W to B | Ω | V | Ω | V | Ω | V | Ω | V |
| R to N | Ω | V | Ω | V | Ω | V | Ω | V |
| W to N | Ω | V | Ω | V | Ω | V | Ω | V |
| B to N | Ω | V | Ω | V | Ω | V | Ω | V |

f) Phasing Out / Paralleling Checks

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 both circuits are alive, measure across the paralleling device:

| Measured points | Measured Voltage | | | | Acceptable Results Shall Be Between | Confirmed ✓ |
|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|-------------|
| | Circuit _____ to Circuit _____ | | |
| R1 to R1 | | | | | Less than 10 V | |
| W1 to W2 | | | | | Less than 10 V | |
| B1 to B2 | | | | | Less than 10 V | |
| Neutrals securely connected (✓) | | | | | | |

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 | |

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Document Control

| Version | Date | Change |
|---------|-----------------|--|
| 3 | 1st August 2025 | Authorised by and Document Owner change Removed all references to 360S016 Guide to Recording Electricity Assets (superseded standard) |