

Attachment notice

The following information is associated with Network Rail Standard:
[NR/L3/ELP/27406/MOD F](#) Issue 1

Additional Content Access

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Word Forms

- [Points Heating - Form A](#)

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Engineering Deliverable Requirements for Electrical Power Asset Design

Module F: Points Heating

1 Typical Point Heating Requirements

Only the appropriate items described in clauses 2 to 4 should be specified in the PRS along with the requirements identified in Module A. Additional requirements may be specified in the PRS for complex or unusual schemes.

2 [Points Heating - Form A](#)

All Points Heating submissions should issue the generic Form A certificate which confirms compliance to NAT/REP/IMPI/ENG/EP3736860.

The '[Outline Design Statement](#)' should be completed and issued as supporting documentation for the Form A.

The generic Form A certificate should only be issued once the outline design statement has been completed. Although no RAM approval of the Form A is required a copy of the submission should be issued to the RAM for information.

3 Point Heating - Form B

a) Single Line Diagram.

This should show all assets to be installed with reference to details including cable type and cross sectional area, cable lengths and methods of installation. Additionally the ELI, PSCC and volt drop should be identified at all points of cable terminations.

b) Schematic Diagrams.

Electrical schematic diagrams showing electrical components within DNO cubicle, distribution cubicle and PHCC.

c) General Arrangement Drawings.

- Copies of all relevant general arrangement drawings including cubicles, equipment arrangements, circuit diagrams, general layout diagrams (e.g. track, troughing routes, supply cubicles, transformers etc), earthing arrangements. The drawings should show adequate provision for remote monitoring equipment.
- List of all system ratings including IP rating, temperature parameters of assets (cable and switchgear), cable sizes. The details outlining the rationale for these ratings should be identified.
- Load details of system under max load conditions demonstrating that adequate spare capacity is available at all times.
- DNO supply ratings at each intake point (if listed in Form A then this can be referenced)