



Highway Electrical Maintenance and Installation Operative

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| Industry: | Construction |
| Lantra code: | ST0051 |
| Level: | 2 |
| Typical duration: | 24 months |
| Funding band: | £9,000 maximum |
| EPA cost: | £950 |
| Venue: | EPAO approved centre |



Introduction to this Apprenticeship Standard

A Highway Electrical Maintenance and Installation Operative is a multi-skilled operative able to carry out both the installation of equipment and the maintenance of that equipment.

There are many sub-sectors within the highways electrics, and each uses different equipment and processes, and the Apprentice will choose one of these depending on the specialism of their employer. The general duties, skills, competencies and behaviours are common across the sub-sectors, but the detail and application are sub-sector specific depending on the sub-sectors chosen.

The main duties and tasks of someone who is a competent Highway Electrical Maintenance and Installation Operative within the relevant sub-sector(s) are to:

- Install & maintain highway electrical support structures, equipment and systems
- Carry out first line emergency attendance and emergency works
- Carry out work efficiently, effectively and safely to keep costs within budget, ensure works are completed in accordance with drawings, specification of works and instructions given by an experienced worker or manager and within the specified time duration to avoid delays and accidents
- Maintain effective working relationships with colleagues, managers and members of the public whilst carrying out the works
- Work on their own initiative and in small teams.



On Programme Apprentice Activity and Tracking

The Apprentice will follow a training program to complete the Apprenticeship requirements and meet the knowledge, skills and behaviours required for them to be fully competent:

The Apprentice is expected to gain the following during the Apprenticeship programme as set out under the on-programme assessment in the Apprenticeship Standard:

- The Level 2 Certificate in Highway Electrical Work
- The Level 2 NVQ in Highway Electrical Systems
- A record of Off the Job Training – this is training that must occur for a minimum of 20% of the time the Apprentice is paid to work and is training delivered outside of their normal working duties – to develop a wider understanding of the industry
- Apprentices must achieve Level 1 English and Maths and take the test for Level 2 English and Maths prior to Gateway.



Mandatory Qualifications

Employers will set their own entry requirements when selecting candidates. Typically, candidates will have English and Maths qualifications at Level 1.



Gateway Criteria

The training provider and the employer will agree in conjunction with the Apprentice that they are ready to undertake the Synoptic End Point Assessment when the Apprentice is deemed to be competent and has met all of the relevant criteria of the Apprenticeship Standard.

The Apprentice must have achieved and evidence the following:

- All relevant criteria of the Standard have been achieved
- Level 2 Certificate in Highway Electrical Work
- Level 2 NVQ in Highway Electrical Systems
- Level 2 English and Level 2 Maths
- Evidence of Off the Job Training – for a minimum of 20% of the time they are paid to work and is training delivered outside normal working duties.



Gateway Declaration

The Lantra Awards Gateway Declaration form must be completed, signed and dated by the Employer, Apprentice and Training Provider and uploaded onto ACE360 as part of the EPA registration process prior to the EPA taking place.

End Point Assessment (EPA) – Demonstrating Learning

The Synoptic End Point Assessment consists of a holistic test of each of the Apprentices knowledge, skills and behaviours and will consist of the following:

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| Presentation | A presentation by the Apprentice using a portfolio to showcase work products (actual work carried out by the Apprentice). The presentation will be held under controlled conditions and be one-to-one between an Assessor and the Apprentice. |
| Professional Discussion | <p>A professional discussion between an Assessor and the Apprentice using scenarios and direct questioning to establish the Apprentice's knowledge, application of knowledge and appropriate behaviours.</p> <p>The professional discussion will be held under controlled conditions and be one-to-one between an Assessor and the Apprentice.</p> |
| Practical Assessment | <p>This is a timed practical assessment of the Apprentice's skills, behaviours and application of knowledge in a simulated environment carrying out a range of defined tasks including the completion of appropriate paperwork.</p> <p>The practical assessment will be held under controlled conditions and be one-to-one between an Assessor and the Apprentice.</p> |



Apprenticeship Certification

Certificates are issued by the Education and Skills Funding Agency and sent direct to the Apprentice's employer.



Professional Recognition and Progression

Completion of this Apprenticeship meets the requirements for registration to the Highway Electrical Registration Scheme (HERS), and a licence to practice evidenced by the issuing of an ECS HERS Competency Card together with registration as an Associate of the Institution of Engineering and Technology.

Successful Apprentices may also be able to progress further onto the Level 3 Highways Electrician/Service Operative Apprenticeship.



How Lantra can help

- We are specialists in supporting environmental and land-based industries
- We offer good value and cost-effective EPA
- Our Assessors meet and exceed the requirement of the assessment plan
- We offer our service across the whole of England
- We use ACE360 - an Apprenticeship Standards Management System - to manage EPA
- We are experts in the development and review of Apprenticeship Frameworks and National Occupational Standards
- With a 40-year history, delivering high quality, specialist support to the land-based industries is in our DNA.

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