



Highway Electrician / Service Operative

Industry:	Construction
Lantra code:	ST0052
Level:	3
Typical duration:	24 months
Funding band:	£12,000 maximum
EPA cost:	£950
Venue:	EPAO approved centre



Introduction to this Apprenticeship Standard

The occupations covered by this Apprenticeship Standard are Highways Electrician / Service Operative.

The main duties and tasks of someone who is competent as a Highways Electrician / Service Operative within the relevant sub-sector(s) are:

- Install, maintain (including fault diagnosis and repairs), inspect and test low voltage highway electrical equipment and systems (e.g. street lighting, traffic signals, safety cameras)
- Carry out emergency attendance and emergency works (e.g. where a car has hit a streetlight)
- Ensure appropriate Health, Safety & Environmental procedures including the requirements of the Highway Electrical Registration Scheme (HERS) are applied
- Ensure work is carried out efficiently, effectively and safely
- Maintain effective working relationships
- Work on their own initiative and in teams and supervise the work of other team members
- Optionally: Commission highway electrical equipment and systems.



On Programme Apprentice Activity and Tracking

This is a Level 3 Apprenticeship and will result at the end of the Apprenticeship in the Apprentice gaining a Level 3 Certificate and a Level 3 NVQ Diploma. 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:

- Training to develop the Highway Electrician / Service Operative Standard's knowledge, skills and behaviours
- Work towards achieving Level 2 English and Maths prior to Gateway
- Work towards achieving Level 3 Certificate within the sector specific area
- Work towards achieving Level 3 NVQ Diploma within the sector specific area
- 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.



Mandatory Qualifications

Individual employers will set the entry requirements for this Apprenticeship but typically candidates will have completed the Level 2 Highway Electrical Maintenance & Installation Operative Apprenticeship.



Gateway Criteria

The End Point Assessment (EPA) should only start once the employer, with advice from the training provider is satisfied that the Apprentice is consistently working at or above the level set out in the Standard, that the pre-requisite Gateway requirements for EPA have been met and that they can be evidenced to an End Point Assessment Organisation (EPAO).

Gateway requirements:

- All relevant criteria of the Standard have been achieved
- Level 3 Certificate within the sector specific area
- Level 3 NVQ Diploma within the sector specific area
- Level 2 English and Level 2 Maths
- The Presentation
- 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 End Point Assessment consists of 3 distinct assessment methods:

Presentation

The presentation will be held under controlled conditions and be one-to-one between an Assessor and the Apprentice. The presentation will test the Apprentices knowledge, skills and behaviours. There will be one presentation for each work project - there are three work projects covering three specific areas. The total time for all 3 presentations is 45 minutes

Professional Discussion

The professional discussion will be held under controlled conditions and be one-to-one between an Assessor and the Apprentice. The professional discussion will test the Apprentices knowledge, skills and behaviours based upon a given scenario with questioning by the Assessor. The professional discussion will be documented and take up to 120 minutes. This time is split into three sections of 40 minutes each.

Practical Assessment

The practical assessment will be held under controlled conditions and be a one-to-one observation with questioning between an Assessor and the Apprentice. Apprentices must complete a practical assessment, consisting of an Initial Verification and Testing electrical inspection, fault testing and, functional testing with direct observation and questioning. The practical assessment will take up to 3 hours.



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), a licence to practise evidenced by the issuing of an ECS HERS Card; registration as Technician Member of the Institution of Engineering and Technology (with the designatory letters (TMIET)); and is designed to meet the registration requirements of the Engineering Council for Engineering Technician (with the designatory letters EngTech).



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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