



National/Scottish Vocational Qualifications INSTALLING HIGHWAY ELECTRICAL SYSTEMS LEVELS 2 AND 3

Meets the relevant requirements of the public lighting, traffic signs and traffic signals sector schemes for Highways Agency contracts and for installers working on Major Contractor Group sites within the construction sector and local authorities.

- *The recognised qualifications for public lighting, traffic signs and traffic signals operatives*
- *Level 2 certifies competence in one of three areas of work:*
 - *Maintenance*
 - *Surface Protection*
 - *Installation.*
- *Level 3 certifies competence in all these areas:*
 - *Installing, connecting, maintaining and repairing highway electrical systems*
 - *Ensuring that systems are appropriate for the working conditions*
 - *Diagnosing and correcting faults*
 - *Inspecting and testing*
 - *Providing technical and functional information*
 - *Carrying out emergency work.*

NVQs/SVQs – meeting the demand for proven competence

There is a rising demand for qualified public lighting, traffic signs and traffic signals operatives. Rising client expectations are driving up standards in highway electrical systems installation and maintenance and fuelling the demand for proven competence through qualifications.

Lantra Awards is meeting this demand by offering NVQs/SVQs in Installing Highway Electrical Systems. These qualifications not only meet the relevant requirements of the public lighting, traffic signs and traffic signals sector scheme for Highways Agency contracts, but also for installers working on Major Contractor Group sites within the construction sector and local authorities.

Nationally recognised standards

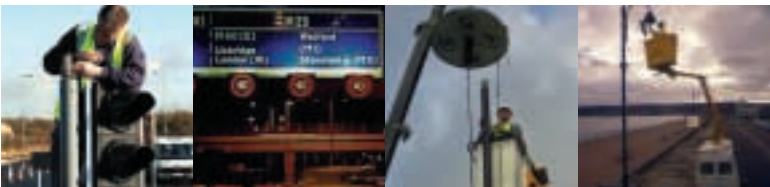
National and Scottish Vocational Qualifications measure and recognise the contribution that individuals make to a business. Designed around the skills and knowledge people use in their jobs, NVQs/SVQs measure all-round competence at work.

NVQs/SVQs are based on national occupational standards. Crucially, these standards are developed and kept up to date by the industries themselves through their government-recognised Sector Skills Councils (SSCs). The NVQs/SVQs in Installing Highway Electrical Systems are based on national standards set by National Electrotechnical Training, which is now part of SummitSkills Sector Skills Council. So you can be sure that our qualifications incorporate the best working practices.

Contact Lantra Awards on **024 7641 9703** for more information, including on how to become an approved assessment and/or training centre for the NVQ/SVQs in Installing Highway Electrical Systems.

Or contact your nearest approved centre direct for more details.

More details overleaf.



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Unit-by-unit approach

NVQs/SVQs focus on a particular area of work at a given level and are made up of a number of units which set out the standards that must be reached. The 'building blocks' approach enables employees to set themselves clear training targets and work towards the full qualification at their own speed. When all the necessary units are completed, a full NVQ/SVQ certificate is awarded.

Workplace assessment

Through an approved assessment centre, employees are assessed on whatever shows that they can carry out the required tasks to the NVQ/SVQ standard.

Because NVQs/SVQs are about meeting the real demands of work, most of the assessment is done in the workplace. Assessment methods are flexible and can include observing someone installing a public lighting, traffic sign and signal system, examining the work done and statements from work supervisors or colleagues. An internal verifier appointed by the centre monitors the process to ensure that assessments are carried out fairly to the required standards.

The role of Lantra Awards

As the awarding body, Lantra Awards distributes the NVQ/SVQ specifications, approves assessment centres for the qualification and certifies achievement. We appoint external verifiers to provide independent quality assurance of the assessment process and the centre's management systems.

To support our centres, we offer guidance on delivering and assessing NVQ/SVQ programmes and we hold annual updating meetings for centre staff to further their continuing professional development (CPD). We are developing a growing network of NVQ/SVQ assessment centres. If you wish to consider seeking approval of your own organisation as an assessment centre, please contact Lantra Awards for details and costs. Please also contact us if you are interested in being trained to join our team of external verifiers.

Partnership

In Scotland Lantra Awards works with the Scottish Qualifications Authority (SQA) and the Scottish Joint Industry Board (SJIB) for the electrical contracting industry.

Installing Highway Electrical Systems – Level 2 Mandatory units

- Prepare to install components in highway electrical systems
- Maintain a healthy and safe working environment
- Implement safe site working practices when installing highway electrical systems

Optional units

Candidates choose one of three routes – maintenance, surface protection or installation – for which they must complete two units, as follows:

– Maintenance

- Operate mobile elevated platforms and other access equipment **and**
- Identify and replace faulty components in highway electrical systems, **or**
- Remove and replace components in highway electrical systems.

– Surface protection

- Operate mobile elevated platforms and other access equipment
- Apply surface protection to highway electrical systems.

– Installation

- Install columns, signs and pillars in highway electrical systems **and**
- Install underground cables in highway electrical systems, **or**
- Operate mobile elevated platforms and other access equipment.

Installing Highway Electrical Systems – Level 3

Mandatory units

- Ensure safe site working
- Diagnose and correct faults in electrotechnical systems and equipment
- Provide technical and functional information to relevant people
- Maintain a healthy and safe working environment.

In addition, candidates must complete the following units specific to the public lighting, traffic signs and traffic signals industries:

- Prepare to work on highway electrical systems and associated equipment
- Install and connect highway electrical systems, components and associated equipment
- Inspect and test a highway electrical system and associated equipment
- Carry out emergency work on highway electrical systems and associated equipment.



Contact Lantra Awards on **024 7641 9703** for more information,

Website: www.lantra.co.uk E-mail: awards@lantra.co.uk

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