



Level 3 NVQ Diploma in

Rail Engineering Overhead Line Construction (QCF)



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Qualification Specification

Overview

This qualification is a National Vocational Qualification (NVQ). It involves the skills and knowledge needed for working in railway engineering overhead line construction. NVQs are based on national occupational standards, which the learner must meet to be competent in a particular task.

Typical Job

Carrying out routine construction on the overhead line Infrastructure - under direction.

Qualification code:	601/2610/3
Level:	3
Total qualification time:	1340
Guided learning hours:	387
Credits:	134
Minimum age	16

Issue 1.0

Purpose of the qualification

What does this qualification cover?

The skills and knowledge in one or more of a wide variety of railway engineering overhead line construction activities including:

- Complying with Statutory regulations
- Using engineering data and documents
- Working effectively
- Accessing construction sites and preparing to work
- Undertaking unsupervised installation duties on overhead line equipment.

Who is this qualification designed for?

- Individuals who are working at Level 3 within overhead line construction and need recognition of their competence in railway engineering overhead line construction activities and also need a nationally recognised qualification at Level 3
- Learners who are undertaking a SEMTA Advanced apprenticeship and wish to progress onto an advanced apprenticeship
- Those who are working in a railway engineering overhead line construction environment and would like to work towards a relevant Level 3 qualification
- Those who are new to railway engineering electrification maintenance but are looking for a career change and wish to develop new skills within the industry.

This qualification forms part of the Semta Advanced Rail Engineering (Overhead line Construction) apprenticeship framework.

Who supports this qualification?

The qualification is supported by The National Skills Academy for Railway Engineering (NSARE).

What could this qualification lead to?

On completion of this qualification it can form part of an Apprenticeship framework at level 3, and provide a base for other level 3 qualifications, and progression to a range of level 4 qualifications and also employment.

Entry Requirements

Learners must have the potential to achieve the assessment criteria set out in the units.

How is the qualification achieved?

The learner must present evidence (portfolio) which clearly shows they have met the assessment criteria and learning outcomes. The learner must achieve the mandatory and relevant optional units.

What will be assessed?

All evidence submitted by the learner against the assessment criteria.



How will it be assessed?

Evidence for this qualification will be assessed in accordance with the sector assessment strategy, which has been created from engagement with stakeholders (employers etc.) in the rail sector. EAL has also provided a logbook and assessment routes.

Structure

To achieve the qualification learners must obtain a total of 134 credits. This is made up from 19 credits from the mandatory group and a minimum of 115 credits from the optional group

Mandatory assessment routes: All must be completed

EAL code	Assessment route title	Level	Credit value	Guided learning hours	OfQual code
QOLE3 - 001	Complying with statutory regulations and organisational safety requirements	2	5	35	A/601/5013
QOLE3 - 002	Using and interpreting engineering data and documentation	2	5	25	Y/601/5102
QOLE3 - 003	Working efficiently and effectively in engineering	3	5	25	Y/601/5055
QOLE3 - 004	Access overhead line equipment construction sites	2	2	18	M/505/8480
QOLE3 - 005	Prepare to undertake duties in the rail industry	2	2	18	F/601/7815

Optional assessment routes:

QOLE3 - 006	Install overhead line equipment main steelwork	3	25	56	R/505/8486
QOLE3 - 007	Install overhead line equipment small part steelwork	3	30	70	Y/505/8487
QOLE3 - 008	Install overhead line equipment wiring	3	30	70	D/505/8488
QOLE3 - 009	Installation of overhead line equipment sectioning, insulation, registration and in-span components	3	35	90	H/505/8489
QOLE3 - 010	Install, enhance and renew overhead line equipment earthing and bonding	3	30	70	Y/505/8490

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QOLE3 - 011 Complete testing, gauging and acceptance of overhead line equipment	3	35	90	H/505/8492
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Additional unit (This unit will not count towards the total credit required but is available if required)

QOLE3 - 012 Plan, allocate and monitor work of a team	3	5	25	Y/600/9669
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