



Level 3 NVQ Diploma in

Rail Engineering Signaller Installer (QCF)

RAIL ENGINEERING



Qualification Specification

Overview

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

Typical Job

Carrying out signalling installation and testing activities on the railway infrastructure.

Qualification code:	601/3865/8
Level:	3
Total qualification time:	TBC
Guided learning hours:	225 (min) 252 (max)
Credits:	37
Minimum age	16

Purpose of the qualification

What does this qualification cover?

The skills and knowledge in one or more of a wide variety of railway engineering signalling installation activities including:

- installing signalling assets using complex processes
- adjusting signalling assets and components
- organise signalling installation activities and provide technical leadership
- verify and test installed signalling assets
- plan and conduct maintenance on signalling assets.

This qualification is for:

- individuals who are working at Level 3 within signalling installation and need recognition of their competence in railway engineering signalling installation 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 signalling installation environment and would like to work towards a relevant level 3 qualification
- those who are new to railway engineering signalling installation but are looking for a career change and wish to develop new skills within the industry.

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.

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 relevant 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.

Structure

Mandatory assessment routes: All must be completed

EAL code	Assessment route title	Level	Credit value	Guided learning hours	OfQual code
QRSI3-001	Establish information for signal engineering installation	2	2	17	H/503/0594
QRSI3-002	Determine requirements for safe access to work locations for signalling engineering	2	3	20	M/503/0601
QRSI3-003	Allocate and monitor resources for signal engineering activities	3	2	10	T/503/0602
QRSI3-004	Reinstate the work area after signal engineering activities	2	2	4	A/503/0603
QRSI3-005	Carry out installation of signalling assets using complex processes	3	6	51	R/503/0736

EAL Level 3 NVQ Diploma in Rail Engineering Signalling Installer (QCF)

Learners must complete all mandatory assessment units and choose from either group A (40 credits total) or Group B (37 credits total)

Mandatory assessment routes: All must be completed

EAL code	Assessment route title	Level	Credit value	Guided learning hours	OfQual code
QRSI3-001	Establish information for signal engineering installation	2	2	17	H/503/0594
QRSI3-002	Determine requirements for safe access to work locations for signalling engineering	2	3	20	M/503/0601
QRSI3-003	Allocate and monitor resources for signal engineering activities	3	2	10	T/503/0602
QRSI3-004	Reinstate the work area after signal engineering activities	2	2	4	A/503/0603



QRSI3-005	Carry out installation of signalling assets using complex processes	3	6	51	R/503/0736
QRSI3-006	Adjusting signalling components and equipment to meet operational requirements	3	4	34	L/503/0718
QRSI3-007	Transfer responsibility of signalling assets	3	2	4	M/503/0730
QRSI3-008	Contribute to technical leadership of signal engineering activities	3	2	4	F/503/0733
QRSI3-009	Organise local signal engineering activities	3	2	4	J/503/0734

Learners must choose from either group A or Group B

Group A: All must be completed in conjunction with mandatory group

QRSI3-010	Establish information for signal engineering testing	3	3	25	A/503/0598
QRSI3-011	Verification testing of newly installed signalling assets	3	10	75	R/503/0722
QRSI3-012	Plan for further professional development in the rail industry	3	2	4	K/601/7825

Group B: All must be completed in conjunction with mandatory group

QRSI3-013	Plan signalling maintenance testing activities	3	3	25	K/503/0600
QRSI3-014	Conduct maintenance testing of signalling assets	3	7	48	D/503/0724
QRSI3-012	Plan for further professional development in the rail industry	3	2	4	K/601/7825

