



Level 3 NVQ Diploma in Rail Engineering Telecoms Maintainer and Fault Finder (QCF)



Qualification Specification

Overview

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

Typical Job

Carrying out routine maintenance on the Telecoms Infrastructure and working to identify and resolve faults in the systems.

Qualification code:	601/0158/1
Level:	3
Total qualification time:	TBC
Guided learning hours:	245
Credits:	46
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 telecoms maintenance and fault finding activities including:

- determining requirements for safe access to work locations
- removing and replacing components from telecoms assets
- planning telecoms maintenance testing activities
- diagnosing faults in telecoms assets
- adjusting telecoms components and equipment.

This qualification is for:

- Individuals who need recognition of their competence in railway engineering telecoms maintenance and fault finding activities and also need a nationally recognized qualification at Level 3
- Learners who are undertaking a SEMTA apprenticeship and wish to progress onto an advanced apprenticeship.
- Those who are working in a railway engineering telecoms maintenance and fault finding environment and would like to work towards a relevant Level 3 qualification.
- Those who are new to railway engineering telecoms maintenance and fault finding 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

The learner is required to complete all the mandatory assessment routes.

Mandatory assessment routes: All must be completed

EAL code	Assessment route title	Level	Credit value	Guided learning hours	OfQual code
QRET3-001	Adjust Telecoms Components and Equipment to Meet Operational Requirements	3	4	34	M/503/0565
QRET3-002	Allocate and Monitor Resources for Telecoms Engineering Activities	3	2	10	D/503/0559
QRET3-003	Carry Out Removal of Components from Telecoms Assets	3	3	22	T/503/0566
QRET3-004	Carry Out Replacement of Components from Telecoms Assets	3	4	17	A/503/0567
QRET3-005	Determine Requirements for the Safe Access to Work Locations for Telecoms Engineering	2	3	20	Y/503/0558
QRET3-006	Diagnose Faults in Telecoms Assets	3	6	35	R/503/0574
QRET3-007	Establish Information for Telecoms Engineering Maintenance and or Fault Finding	2	2	17	D/503/0545
QRET3-008	Maintenance of Telecoms Equipment using complex processes	3	4	25	K/503/0564
QRET3-009	Reinstate the Work Area after Telecoms Engineering Activities	2	2	4	R/503/0560
QRET3-010	Plan Telecoms Maintenance Testing Activities	3	3	25	F/503/0554
QRET3-011	Establish Compliance with Specifications for Maintained Telecoms Assets	3	5	20	J/503/0569

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QRET3-012	Transfer Responsibility of Telecoms Assets	3	2	4	H/503/0580
QRET3-013	Organise Local Telecoms Engineering Activities	3	2	4	F/503/0585
QRET3-014	Plan for further professional development in the rail industry	3	2	4	
QRET3-015	Contribute to Technical Leadership of Telecoms Engineering Activities	3	2	4	M/503/0582

Additional unit (This unit will not count towards the total credit required but is available if required)

QRET3-016	Employment Rights and Responsibilities in the Passenger Transport Sector	2	3	18	L/602/5934
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