



**Level 2 NVQ Diploma in Roadbuilding and  
Maintenance (Construction)**

**Pathway 29: Plant – Road Sweeping**

**Qualification Specification**

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## Introduction

The ProQual Level 2 NVQ Diploma in Roadbuilding and Maintenance (Construction) qualification is aimed at individuals who operate plant or machinery to sweep, clean or clear in the workplace.

ProQual currently offers one pathway to achieve the qualification –

### **Pathway 29: Plant – Road Sweeping**

The awarding body for the qualification is ProQual Awarding Body and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual).

This qualification has been accredited onto the Regulated Qualifications Framework and it provides a progression route to discipline related qualifications.

## Qualification Profile: Level 2 NVQ Diploma in Roadbuilding and Maintenance (Construction) (Pathway 29: Plant – Road Sweeper)

Qualification title	<b>ProQual Level 2 NVQ Diploma in Roadbuilding and Maintenance (Construction)</b>
Ofqual qualification number	603/2040/0
Level	Level 2
Guided learning hours	180
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	4/7/2017
Qualification end date	

## Entry Requirements

There are no formal entry requirements for this qualification.

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

## Qualification Structure

### Pathway 29 – Plant – Road Sweeping

To achieve the qualification candidates must complete 3 Mandatory units.

*CITB reference numbers are given for information only.*

Mandatory Units				
Unit Reference Number	Unit Title	Unit Level	GLH	CITB Ref. No
T/508/6538	Conforming to productive working practices in the workplace	2	7	641
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	10	642
H/615/9459	Operating plant or machinery to sweep, clean or clear in the workplace	2	58	761v2

## Centre Requirements

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

### Staff

Staff delivering this qualification must be appropriately qualified and/or occupationally competent.

### Assessors/Internal Quality Assurance

For each competence-based unit centres must be able to provide at least one assessor and one internal verifier who are suitably qualified for the specific occupational area. Assessors and internal verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or verifier qualifications, such as:

- Award in Assessing Competence in the Work Environment
- Award in Assessing Vocationally Related Achievement
- Certificate in Assessing Vocational Achievement
- Award in the Internal Quality Assurance of Assessment Processes and Practices
- Certificate in Leading the Internal Quality Assurance of Assessment Processes and Practices

## Support for Candidates

Materials produced by centres to support candidates should:

- enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- provide information on where ProQual's policies and procedures can be viewed;
- provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence

## Links to National Standards / NOS mapping

National Occupational Standards (NOS) are owned by a Sector Skills Council or Standard Setting Body and they describe the skills, knowledge and understanding needed to undertake a particular task or job at different levels of competence.

The structure and units of this qualification are based on NOS for the construction sector.

## Assessment

This qualification is competence-based, candidates must demonstrate the level of competence described in the units. Assessment is the process of measuring a candidate's skill, knowledge and understanding against the standards set in the qualification.

The qualification must be assessed in line with the Construction Sector Qualifications Strategy and must be internally assessed by an appropriately experienced and qualified assessor.

Each candidate is required to produce a portfolio of evidence which demonstrates their achievement of all of the learning outcomes and assessment criteria for each unit.

- Evidence can include:
- observation report by assessor
  - assignments/projects/reports
  - professional discussion
  - witness testimony
  - candidate product
  - worksheets
  - record of oral and written questioning
  - Recognition of Prior Learning

**Learning outcomes** set out what a candidate is expected to know, understand or be able to do.

**Assessment criteria** specify the standard a candidate must meet to show the learning outcome has been achieved.

*Learning outcomes and assessment criteria can be found from page 8 onwards.*

## Internal Quality Assurance

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

## Adjustments to Assessment

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

## Results Enquiries and Appeals

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

## Certification

Candidates who achieve the required units for the qualification will be awarded:

- A certificate listing all units achieved, and
- A certificate giving the full qualification title -

### **ProQual Level 2 NVQ Diploma in Roadbuilding and Maintenance (Construction)**

#### **Claiming certificates**

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully completed the qualification. All certificates will be issued to the centre.

#### **Unit certificates**

If a candidate does not achieve all of the units required for a qualification, the centre may claim a unit certificate for the candidate which will list all of the units achieved.

#### **Replacement certificates**

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

## Learning outcomes and assessment criteria

<b>Title:</b>	Conforming to general health, safety and welfare in the workplace.	
<b>Unit Number:</b>	M/508/6537	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Comply with all workplace health, safety and welfare legislation requirements.	1.1	Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area.
	1.2	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements.
	1.3	Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment.
	1.4	State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
	1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.
	1.7	State why health, safety and welfare legislation, notices and warning signs are relevant to the occupational area.
	1.8	State how to comply with control measures that have been identified by risk assessments and safe systems of work.
2 Recognise hazards associated with the workplace that have not been previously controlled and report them in accordance with organisational procedures.	2.1	Report any hazards created by changing circumstances within the workplace in accordance with organisational procedures.
	2.2	List typical hazards associated with the work environment and occupational area in relation to resources, substances, asbestos, equipment, obstructions, storage, services and work activities.
	2.3	List the current Health and Safety Executive top ten safety risks.

## Learning outcomes and assessment criteria

<b>Title:</b>	Conforming to general health, safety and welfare in the workplace.	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
2 continued	2.4	List the current Health and Safety Executive top five health risks.
	2.5	State how changing circumstances within the workplace could cause hazards.
	2.6	State the methods used for reporting changed circumstances, hazards and incidents in the workplace.
3 Comply with organisational policies and procedures to contribute to health, safety and welfare.	3.1	Interpret and comply with given instructions to maintain safe systems of work and quality working practices.
	3.2	Contribute to discussions by offering/providing feedback relating to health, safety and welfare.
	3.3	Contribute to the maintenance of workplace welfare facilities in accordance with workplace welfare procedures.
	3.4	Safely store health and safety control equipment in accordance with given instructions.
	3.5	Dispose of waste and/or consumable items in accordance with legislation.
	3.6	State the organisational policies and procedures for health, safety and welfare, in relation to: <ul style="list-style-type: none"> <li>– dealing with accidents and emergencies associated with the work and environment</li> <li>– methods of receiving or sourcing information</li> <li>– reporting</li> <li>– stopping work</li> <li>– evacuation</li> <li>– fire risks and safe exit procedures</li> <li>– consultation and feedback.</li> </ul>
	3.7	State the appropriate types of fire extinguishers relevant to the work.
	3.8	State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.

## Learning outcomes and assessment criteria

Title:	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Work responsibly to contribute to workplace health, safety and welfare whilst carrying out work in the relevant occupational area.	4.1	Demonstrate behaviour which shows personal responsibility for general workplace health, safety and welfare.
	4.2	State how personal behaviour demonstrates responsibility for general workplace health, safety and welfare, in relation to: <ul style="list-style-type: none"> <li>– recognising when to stop work in the face of serious and imminent danger to self and/or others</li> <li>– contributing to discussions and providing feedback</li> <li>– reporting changed circumstances and incidents in the workplace</li> <li>– complying with the environmental requirements of the workplace.</li> </ul>
	4.3	Give examples of how the behaviour and actions of individuals could affect others within the workplace.
5 Comply with and support all organisational security arrangements and approved procedures.	5.1	Provide appropriate support for security arrangements in accordance with approved procedures: <ul style="list-style-type: none"> <li>– during the working day</li> <li>– on completion of the day's work</li> <li>– for unauthorised personnel (other operatives and the general public)</li> <li>– for theft.</li> </ul>
	5.2	State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

## Learning outcomes and assessment criteria

<b>Title:</b>	Conforming to general health, safety and welfare in the workplace.
<b>Additional information about this unit</b>	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	05.2 Building and Construction
Availability for use	Shared unit
Credit value	2
Unit guided learning hours	7

## Learning outcomes and assessment criteria

<b>Title:</b>	Conforming to productive working practices in the workplace	
<b>Unit Number:</b>	T/508/6538	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Communicate with others to establish productive work practices.	1.1	Communicate in an appropriate manner with line management, colleagues and/or customers to ensure that work is carried out productively.
	1.2	Describe the different methods of communicating with line management, colleagues and customers.
	1.3	Describe how to use different methods of communication to ensure that the work carried out is productive.
2 Follow organisational procedures to plan the sequence of work.	2.1	Interpret relevant information from organisational procedures in order to plan the sequence of work.
	2.2	Plan the sequence of work, using appropriate resources, in accordance with organisational procedures to ensure work is completed productively.
	2.3	Describe how organisational procedures are applied to ensure work is planned and carried out productively, in relation to: <ul style="list-style-type: none"> <li>– using resources for own and other’s work requirements</li> <li>– allocating appropriate work to employees</li> <li>– organising the work sequence</li> <li>– reducing carbon emissions.</li> </ul>
	2.4	Describe how to contribute to zero/low carbon work outcomes within the built environment.
3 Maintain relevant records in accordance with the organisational procedures.	3.1	Complete relevant documentation according to the occupation as required by the organisation.
	3.2	Describe how to complete and maintain documentation in accordance with organisational procedures, in relation to: <ul style="list-style-type: none"> <li>– job cards</li> <li>– worksheets</li> <li>– material/resource lists</li> <li>– time sheets.</li> </ul>
	3.3	Explain the reasons for ensuring documentation is completed clearly and within given timescales.
4 Maintain good working relationships when conforming to productive working practices.	4.1	Carry out work productively, to the agreed specification, in conjunction with line management, colleagues, customers and/or other relevant people involved in the work to maintain good working relationships.

## Learning outcomes and assessment criteria

<b>Title:</b>	Conforming to productive working practices in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
	4.2	Apply the principles of equality and diversity and respect the needs of individuals when communicating and working with others.
	4.3	Describe how to maintain good working relationships, in relation to: <ul style="list-style-type: none"> <li>– individuals</li> <li>– customer and operative</li> <li>– operative and line management</li> <li>– own and other occupations.</li> </ul>
	4.4	Describe why it is important to work effectively with line management, colleagues and customers.
	4.5	Describe how working relationships could have an effect on productive working.
	4.6	Describe how to apply principles of equality and diversity when communicating and working with others.

<b>Title:</b>	Conforming to Productive Working Practices in the Workplace
<b>Additional information about this unit</b>	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit credit value	3
Unit guided learning hours	10

<b>Title:</b>	Preparing and operating plant or machinery to sweep, clean or clear in the workplace
<b>Unit Number</b>	H/615/9459
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>
1 Interpret the given information relating to the preparation and use of plant or machinery to sweep, clean or clear.	1.1 Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
	1.2 Comply with information and/or instructions derived from risk assessments and method statements.
	1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4 Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> <li>– drawings, specifications, schedules, method statements, risk assessments, work instructions, manufacturers' information, waste carriers register and current regulations governing the operation of plant or machinery.</li> </ul>
2 Organise with others the sequence and operation in which sweeping, cleaning or clearing operations using plant or machinery are to be carried out.	2.1 Organise the work according to given information or instructions.
	2.2 Describe how to communicate ideas between team members.
	2.3 Organise and communicate with team members and other associated occupations.
	2.4 Describe how to organise resources prior to and during sweeping, cleaning or clearing operations with plant or machinery.
3 Know how to comply with relevant legislation and official guidance when carrying out sweeping, cleaning or clearing operations.	3.1 Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	3.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	3.3 Explain what the accident reporting procedures are and who is responsible for making reports.

<b>Title:</b>	Preparing and operating plant or machinery to sweep, clean or clear in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 Maintain safe and healthy working practices when preparing for and operating plant or machinery to sweep, clean or clear.	4.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements during sweeping, cleaning or clearing operations.
	4.2	Demonstrate compliance with given information and relevant legislation when carrying out sweeping, cleaning or clearing operations using plant or machinery in relation to the following: <ul style="list-style-type: none"> <li>– safe use and storage of plant or machinery</li> <li>– safe use and storage of tools and equipment</li> <li>– specific risks to health.</li> </ul>
	4.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to plant or machinery use, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	4.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	4.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
5 Request and select the required quantity and quality of resources to prepare for and carry out sweeping, cleaning or clearing operations using plant or machinery.	5.1	Request and select resources associated with sweeping, cleaning or clearing operations in relation to consumables, materials, tools, ancillary equipment and accessories.
	5.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none"> <li>– consumables</li> <li>– brushes, hoses and nozzles</li> <li>– hand tools, ancillary equipment and accessories.</li> </ul>
	5.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	5.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

<b>Title:</b>	Preparing and operating plant or machinery to sweep, clean or clear in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
5 Continued	5.5	Describe any potential hazards associated with the resources and methods of work.
	5.6	Describe how to identify weight, bearing, pressure, quantity, length and area associated with the method/procedures to operate plant or machinery for sweeping, cleaning or clearing operations.
6 Minimise the risk of damage to the work and surrounding area when preparing for and operating plant or machinery to sweep, clean or clear.	6.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	6.2	Prevent damage and maintain a clean work space.
	6.3	Dispose of waste in accordance with current legislation.
	6.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	6.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
7 Complete the work within the allocated time when preparing to and operating plant or machinery to sweep, clean or clear.	7.1	Demonstrate completion of the work within the allocated time.
	7.2	Describe the purpose of the work programme and describe why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
8 Comply with the given contract information to operate plant or machinery to sweep, clean or clear to the required specification.	8.1	Demonstrate the following work skills when preparing for, and operating plant or machinery to sweep, clean or clear: <ul style="list-style-type: none"> <li>– checking, preparing, refilling, replenishing, setting up, aligning, engaging, adjusting, manoeuvring, emptying, washing out, clearing and cleaning.</li> </ul>
	8.2	Use and maintain hand tools and ancillary equipment.
	8.3	Prepare, set up and operate plant or machinery to sweep and carry out two or more of the following operations to given working instructions: <ul style="list-style-type: none"> <li>– tipping of lifted materials</li> <li>– scrub clean</li> <li>– hose clean, wet sweep</li> <li>– pressure wash clean</li> <li>– empty or clear by suction</li> <li>– blow clear.</li> </ul>

<b>Title:</b>	Preparing and operating plant or machinery to sweep, clean or clear in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
8 Continued	8.4	Shut down and secure plant or machinery.
	8.5	<p>Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to:</p> <ul style="list-style-type: none"> <li>– identify the characteristics of the plant, machinery and equipment used to sweep, clean and clear</li> <li>– liaise with site representative</li> <li>– complete pre-use and post stop checks for sweeper, cleaner, clearer and ancillary equipment</li> <li>– carry out functional checks</li> <li>– identify the area to be swept, cleaned and cleared</li> <li>– check to avoid damage to structures, utilities service apparatus, vehicles, people and animals</li> <li>– prepare, set up and adjust for operational requirements, safety and security</li> </ul>
		<ul style="list-style-type: none"> <li>– operate plant, machinery and equipment; gears, clutch, brake, steering, reversing aids, speed and position for sweeping, cleaning and clearing patterns, sequences and operations</li> <li>– monitor operations making use of audio and visual aids</li> <li>– identify and deal with waste streams</li> <li>– empty and discharge hopper and dispose of lifted materials</li> <li>– recognise and avoid fly tipping</li> <li>– form stockpiles</li> <li>– replenish, refill water from remote hydrants</li> <li>– monitor brush wear</li> </ul>
		<ul style="list-style-type: none"> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– be on the public highway</li> <li>– deal with spills of oil, diesel, petrol and chemicals</li> <li>– washout hopper</li> <li>– operate in various conditions, day, night, low light, restricted visibility, changing weather conditions</li> <li>– shut down and secure plant or machinery</li> <li>– use hand tools, ancillary equipment and accessories.</li> </ul>
	8.6	Describe the needs of other occupations and how to effectively communicate within a team when preparing for and operating plant or machinery to sweep, clean or clear.
	8.7	Describe how to maintain the plant or machinery, hand tools, ancillary equipment and accessories used to sweep, clean or clear.

<b>Title:</b>	Preparing and operating plant or machinery to sweep, clean or clear in the workplace
<b>Additional information about this unit</b>	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p><b>ProQual Level 2 NVQ Diploma in Roadbuilding and Maintenance (Construction) – Plant – Road Sweeping</b></p> <p><u>One</u> of the following endorsements required:</p> <ul style="list-style-type: none"> <li>Road sweeper</li> <li>Pavement sweeper</li> <li>Self-propelled sweeper</li> <li>Pedestrian controlled sweeper</li> <li>Gully cleaner</li> <li>Gully sucker</li> <li>Pedestrian controlled cleaner</li> </ul>
Sector subject areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	58



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