

# City and Guilds NPTC Level 2 Award in Forest Machine Operations- Base Machine QAN (600/9102/2)

**Version 1.0 (March 2024)** 

# **Qualification Handbook**

# Qualification at a glance

Subject area	Forestry and Arboriculture
City & Guilds number	0020
Age group approved	16+
Entry requirements	Candidate must meet minimum age requirements
Assessment	To gain this qualification, candidates must successfully achieve the following assessments:  • One to one practical assessment with oral questioning by an NPTC City & Guilds approved assessor
Grading	Met/Not Met
Approvals	Full Centre approval required
Support materials	Qualification Handbook (candidates). Assessment materials (approved assessment Centres only).
Registration and certification	Consult the Walled Garden/Online Catalogue for last Registration and Certification dates.

Title and level	City & Guilds qualification number	Regulatory reference number	GLH	TQT
City & Guilds NPTC Level 2 Award in the Forest Machine Operations- Base Machine	0020-30	600/9750/4	35	40

Version and date	Change detail	Section
1.0 March 2024	Initial version	All
	_	

# **Contents**

Qualification at a glance	2
Contents	4
Introduction	5
Structure	7
Total Qualification Time (TQT)	7
1 Centre requirements	8
Approval	8
Appeals and Equal opportunities	9
Learner entry requirements	10
Age restrictions	10
Access arrangements and reasonable adjustments	10
2 Delivering the qualification	11
Initial assessment and induction	11
Support materials	11
3 Assessment	12
Assessment of the qualification	12
Assessment strategy	13
Time constraints	13
4 Units	14
Structure of the units	14
Guidance for delivery of the units	14
Unit 208 Prepare and operate base machine	15
Appendix 1 Sources of general information	30

# Introduction

This document tells you what you need to do to deliver the City & Guilds NPTC Level 2 Award in Forest Machine Operations- Base Machine (0020-30)

Area	Description
Who is the qualification for?	This is an Independently Assessed qualification.
	Type of Learner: Individuals who operate forestry machinery as part of their work in arboriculture, forestry or other industries. It will provide the individual with the knowledge, understanding and skills required to maintain machinery safely and to industry standards in line with current legislation.
	Qualification Overview: This qualification is designed specifically for those who wish to Operate Forest Base Machine.
	What you need to do: Candidates to undertake an oral and practical assessment
What does the qualification cover?	This qualification covers the requirements for the correct Operation of Forest Base Machines.
	Please refer to the Qualification Handbook for more detail.
What opportunities for progression are there?	Recommended progression: This qualification will support progression into employment where Operating Forestry machinery is part of the role. Safe operational skills are key to efficient use, good working practice and preventing accidents, leading to business benefits in terms of less machinery damage and down time.
	Once a candidate has successfully completed this qualification, they will be able to Operate Forest Base Machines.
	Individuals who successfully complete this qualification could go on to increase their level of proficiency through consolidation practice within a working environment.

Area	Description
Who did we develop the qualification with?	Developed with City & Guilds NPTC Stake holders, associates, and industry representatives.
Is it part of an apprenticeship framework or initiative?	No

#### **Assessment Guidance for the Candidate**

A list of registered Assessment Centres is available from City & Guilds NPTC. (www.nptc.org.uk)

Assessment is a process by which it is confirmed that the candidate is competent in the unit(s) within the award to which the assessment relates. It is the process of collecting evidence about the candidates capabilities and judging whether that evidence is sufficient to attribute competence.

The Candidate must be registered through the City & Guilds approved Assessment Centre for this qualification prior to the assessment.

#### **Structure**

To achieve the City & Guilds NPTC Level 2 Award in Forest Machine Operations- Base Machine (0020-30) learners must achieve:

City & Guilds unit number	Unit title	GLH
Mandatory un	iits:	
Learners must	achieve or <b>must</b> have achieved this mandatory unit.	
208	Prepare and Operate a Base Machine	35

# **Total Qualification Time (TQT)**

Total Qualification Time (TQT) is the number of notional hours which represents an estimate of the total amount of time that could reasonably be expected for a learner to demonstrate the achievement of the level of attainment necessary for the award of a qualification.

TQT comprises of the following two elements:

- 1) the number of hours that an awarding organisation has assigned to a qualification for guided learning
- 2) an estimate of the number of hours a learner will reasonably be likely to spend in preparation, study or any other form of participation in education or training, including assessment, which takes place as directed by but, unlike guided learning, not under the immediate guidance or supervision of a lecturer, supervisor, tutor or other appropriate provider of education or training.

Title and level	GLH	TQT
City & Guilds NPTC Level 2 Award in Forest Machine Operations- Base Machine	35	40

# 1 Centre requirements

## **Approval**

#### **Full approval**

To offer this qualification, new centres will need to gain both centre and qualification approval. Please refer to the document <u>Centre Approval process</u>: <u>Quality Standards</u> for further information. Please email <u>qasupport@cityandguilds.com</u> for further information on the approval process.

#### Centre staffing

Staff delivering these qualifications must be able to demonstrate that they meet the following requirements:

- · be technically competent in the areas in which they are delivering
- be able to deliver across the breadth and depth of the content of the qualification being taught
- have recent relevant teaching and assessment experience in the specific area they will be teaching, or be working towards this
- demonstrate continuing CPD.

Centre staff should familiarise themselves with the structure, content and assessment requirements of the qualification before delivering a course programme.

#### Physical resources

Centres must be able to demonstrate that they have access to the equipment and technical resources required to deliver this qualification and its assessments.

#### **Assessment Guidance for the Assessor**

Staff assessing these qualifications must be approved Certificate of Competence City & Guilds NPTC Assessors and must be independent and cannot have been involved with the training of the Candidate. This qualification can only be assessed by an Assessor who is suitably qualified and meets the requirements of the awarding body.

Certificate of Competence City & Guilds NPTC Assessors must meet the following requirements:

- show competence and provide evidence of industry expertise in the qualification/s they wish to assess
- hold the qualification as a candidate and have been technically evaluated as an Assessor
- be up to date with their verification and relevant first aid
- demonstrate continuing technically relevant CPD Compliance with these requirements is a pre-requisite for Assessors remaining on the list of approved Assessors.

Verification is a process of monitoring assessment; it is an essential check to confirm that the assessment procedures are being carried out in the way City & Guilds has laid down. The overall aim of verification is to establish a system of quality assurance that is acceptable in terms of both credibility and cost effectiveness and approved Assessors will be subject to a regular visit by the Verifier at a time when assessments are being undertaken.

A selection of assessment reports completed by the Assessor will be evaluated by a City & Guilds approved Quality Consultant.

#### Safe Practice

Appropriate PPE must be worn at all times All equipment must be operated in such a way that the Candidate, Assessor, other persons, animals or other equipment are not endangered.

If these conditions are not observed this will result in the Candidate not meeting the required standard.

#### **Validation of Equipment**

Any item(s) equipment used for the assessment must comply with current legal requirements.

Additional information may be sought from the relevant manufacturer's instruction book, operators' manual, product label/database or any other Government/Government Agency publication.

# **Appeals and Equal opportunities**

Centres must have their own auditable, appeals procedures. If a Candidate is not satisfied with the examination conditions or a Candidate feels the opportunity for examination is being denied, the Centre Manager should, in the first instance, address the problem. If, however the

problem cannot be resolved, City & Guilds will arbitrate and a Principal Verifier may be approached to offer independent advice.

All appeals must be clearly documented by the Centre Manager and made available to the Principal Verifier or City & Guilds if advice is required.

Should occasions arise when Centres are not satisfied with any aspect of the verification process, they should contact the Quality Assurance Manager at City & Guilds NPTC, 5-6 Giltspur Street, London, EC1A 9DE, UK Access to the qualification is open to all, irrespective of gender, race, creed or special needs. Subject to H&S restrictions the Centre Manager should ensure that no learner is subjected to unfair discrimination on any grounds in relation to access to assessment and to the fairness of the assessment. QCA requires City & Guilds to monitor centres to check whether equal opportunities policies are being adhered to.

#### **Learner entry requirements**

Candidate must meet minimum age requirements.

#### Age restrictions

This qualification is approved for learners aged 16 or above.

#### Access arrangements and reasonable adjustments

Access arrangements are adjustments that allow candidates with disabilities, special educational needs, and temporary injuries to access the assessment and demonstrate their skills and knowledge without changing the demands of the assessment. These arrangements must be made before assessment takes place.

The Equality Act 2010 requires City & Guilds to make reasonable adjustments where a disabled person would be at a substantial disadvantage in undertaking an assessment.

It is the responsibility of the centre to ensure at the start of a programme of learning that candidates will be able to access the requirements of the qualification.

Please refer to the JCQ access arrangements and reasonable adjustments and Access arrangements - when and how applications need to be made to City & Guilds for more information. Both are available on the City & Guilds website:

http://www.cityandguilds.com/delivering-our-qualifications/centre-development/centre-document-library/policies-and-procedures/access-arrangements-reasonable-adjustments

# 2 Delivering the qualification

#### Initial assessment and induction

An initial assessment of each learner should be made before the start of their programme to identify:

- · if the learner has any specific training needs
- support and guidance they may need when working towards their qualification.
- any units they have already completed or credit they have accumulated which is relevant to the qualification
- the appropriate type and level of qualification.

We recommend that centres provide an induction programme so the learner fully understands the requirements of the qualification, their responsibilities as a learner and the responsibilities of the centre. This information can be recorded on a learning contract.

# **Support materials**

The following resources are available for this qualification:

Description	How to access
Candidate Handbook	www.nptc.org.uk
Assessment Pack (available only to assessors)	www.nptc.org.uk

# 3 Assessment

# Assessment of the qualification

Assessment types			
Unit	Title	Assessment method	Where to obtain assessment materials
208	Prepare and operate a base	Oral Examination and Practical observation	www.nptc.org.uk
	machine	Centres may use the materials provided by City & Guilds.	

# **Assessment strategy**

City & Guilds has written the practical observations with oral questioning to use with this qualification, live assessment materials can be downloaded by the assessor via the Assessment Pack from the NPTC website.

# **Time constraints**

The following must be applied to the assessment of this qualification:

Assessments should take no longer than 1.5 - 3 hours.

Qualification registration is valid for two years.

Summary of responsibilities in th	e assessment process	
Centre responsibilities	Candidate responsibilities	Assessor responsibilities
A suitable site is made available for the assessment to take place		Ensuring that the site provided is suitable for the assessment to take place
Machinery, equipment and materials are available to enable assessment of all the activities to take place	To be familiar with the machinery/equipment being used for the assessment	Ensuring that the machinery, equipment and materials provided satisfy the assessment requirements
	To bring appropriate Personal Protective Equipment (PPE) to the assessment	Ensuring that candidate's PPE complies with the requirements of the assessment
Any necessary permissions must have been granted, and notifications made as appropriate: (e.g. Forestry Commission, Forest Enterprise, Private owners etc).		The Assessor must ensure a Risk Assessment is carried out, and sufficient control measures implemented.
		All equipment being used for this assessment must comply with relevant requirements of the Provision and Use of Work Equipment Regulations
		(PUWER) 1998 and Lifting Operations and Lifting Equipment Regulations (LOLER) 1998.

#### 4 Units

#### Structure of the units

These units each have the following:

- · City & Guilds reference number
- title
- level
- guided learning hours (GLH)
- unit aim
- assessment type
- learning outcomes, which are comprised of a number of assessment criteria

# Guidance for delivery of the units

This qualification comprises a number of **units**. A unit describes what is expected of a competent person in particular aspects of their job.

Each **unit** is divided into **learning outcomes** which describe in further detail the skills and knowledge that a candidate should possess.

Each **learning outcome** has a set of **assessment criteria** (performance and knowledge and understanding) which specify the desired criteria that must be satisfied before an individual can be said to have performed to the agreed standard.

Unit 208	Prepare and operate a base machine
Level:	2
GLH:	35
Assessment type:	Practical activities with oral assessment.
Aim:	The aim of this unit is for the candidate to demonstrate safe operation of a base machine

# Learning outcome

The learner will:

LO1 Be able to work safely (**Criteria 1.1-1.4**)

# **Assessment criteria**

The learner can:

- AC1.1 Identify the hazards and risks associated with the working area, the proposed work and the machine
- AC1.2 Use appropriate tools, equipment and personal protective equipment (PPE)
- AC1.3 Work in a way which maintains health and safety and is consistent with relevant legislation and industry best practice
- AC1.4 Carry out work to minimizes environmental damage

#### Topic 1.1

Identify hazards (anything with the potential to cause harm) and risks (who might be harmed), relevant to:

The work area/work to be done

#### Hazards

- power lines
- terrain
- access routes
- chain shot
- risk zones
- struck by timber
- other

#### Risks

- operator
- others on site
- public
- other machine operators
- other

#### The machine

#### Hazards

- struck by machine
- · access and egress
- moving parts
- hot surfaces
- working at heights
- high pressure fluids
- other

#### Risks

- public
- operator
- environment
- other

# Topic 1.2

- All tools, equipment and Personal Protective Equipment are used in line with industry good practice e.g. AFAG/HSE.
- During all on site operations PPE in accordance with industry good practice must be worn.

#### Personal Protective Equipment identified could include:

- safety helmet (if required)
- hearing protection (where needed)
- suitable protective gloves
- protective boots
- non snag outer clothing
- · high visibility clothing where risk assessment identifies it
- hand cleaning materials
- first aid kit
- other

#### Topic 1.3

 All activities must be completed in a way which protects the operator and those around them.

# Topic 1.4

 It is ensured that any possible environmental damage is minimised at all times during on site operations

#### Learning outcome

The learner will:

LO2 Be able to prepare and drive the machine (Criteria 2.1-2.3)

#### **Assessment criteria**

The learner can:

AC2,1 Carry out pre and poststart checks of the machine consistent with environmental best practice and manufacturers recommendations

AC2.2 Carry out safe access and egress

AC2.3 Carry out the operation on site in a safe, effective and efficient way

#### Topic 2.1

Pre and post start checks on machine according to the operators handbook and to include:

- machine on level ground
- ensure machine services in neutral and lowered where applicable
- engine stopped and key removed
- check engine oil, transmission/hydraulic oil, coolant and fuel level, engine air filter
- importance of cleanliness
- seat, steering mechanism and mirror adjustment
- operator seat restraint is functional (where applicable)
- check operator protection systems
- check relevant access and egress points
- radiators (coolant and hydraulic)
- fuel filters and/or water trap
- grease where and when appropriate

#### Chassis/ Frame

- cracks
- pin security
- bushes
- cylinders
- attachment

- loose or broken bolts
- cables and connections
- guarding

#### Hydraulic hoses

- leaks
- cracks
- cuts
- abrasions
- security
- guarding

#### Either

#### Wheeled

- · tyre suitably inflated
- tyre condition
- · check wheel nuts

#### OR

#### Tracked

- track drive train condition and maintenance are checked
- pins (if applicable)
- sprocket
- idler
- track plates/pads (if applicable)
- tension criteria

#### Environmental considerations:

- disposal
- · storage of oils on site
- · spill kit mats used

#### Topic 2.2

• Candidates must demonstrate safe access and egress from machine using the hand and foot holds provided and facing into the cab (3 points of contact)

#### Topic 2.3

#### Start engine:

- isolator switch engaged
- parking brake applied
- gears in neutral
- clutch pedal depressed (if applicable)
- PTO disengaged (if applicable)
- hydraulic services in neutral (if applicable)
- start

#### Candidate to drive machine:

- safe access
- start in accordance with manufacturers recommendations
- appropriate gear selection
- · smoothness of take off
- drive in a straight line

- left and right turn
- reverse (if applicable)
- appropriate speed for conditions
- appropriate use of brakes
- safe position on site chosen
- controls and attachments in neutral and lowered to the ground
- parking brake applied and effective
- safe egress

#### Stop engine

- allow engine to idle
- lower and disengage hydraulic services and PTO
- gears in neutral and parking brake applied
- shut down electrical services/computer
- disengage ignition and remove key
- disengage and remove isolator switch

#### Learning outcome

The learner will:

LO3 Know how to prepare and drive machine (**Criteria 3.1-3.7**)

#### Assessment criteria

The learner can:

- AC3.1 State the safety requirements and routine checks required for the machine
- AC3.2 Explain the function of all controls and how to interpret instrument readings
- AC3.3 State the factors that may cause the cooling system to overheat
- AC 3.4 Describe how to check the battery(s) and report on the condition
- AC3.5 Explain the safe procedure to follow for detecting leaks in high pressure hydraulic systems
- AC3.6 Explain the procedure to follow when replacing a hydraulic hose
- AC3.7 Describe safe driving techniques that should be used on site

#### Topic 3.1

Level ground

- all fluid levels can be accurately checked
- other

**Machine Services** 

security

- unauthorised third party operation
- other

#### Cleanliness

- personal contamination
- system contamination
- other

#### Adjustment

- ergonomics
- visibility
- other

#### Restraint systems

- personal safety
- HSE requirement
- other

#### Operator protection systems

- roll over protective structure (ROPS)
- falling object protective structure FOPS)
- operator protection structure (OPS)
- other

#### Access and Egress

- operator safety
- PUWER
- other

#### Either

## Wheeled

- Tyre pressure and ballast
- tyre dealers recommendations
- operators handbook
- stability
- traction aids
- band tracks of chains
- other

#### Wheel nuts

- visually
- torque wrench
- operators handbook

#### OR

#### Tracked

#### Track Drive Train

- track will come off
- track will break
- lack of traction
- premature wear
- long term damage
- other

#### Tension criteria

- according to manufacturers
- recommendations
- other

#### Topic 3.2

#### Refer to operators manual

The function and setting of the following controls:

- · starting devices, including cold start
- engine speed control
- stop control
- check function of emergency stop
- gear selection
- clutch
- differential lock (where applicable)
- PTO lever engagement and speed range selector (where applicable)
- brakes (independent and parking) and remote braking device if fitted
- hydraulic controls
- draft control (as applicable)
- position control (as applicable)
- · other controls provided
- external services
- lights, direction indicators, horn, screen wash/wipe, heating and ventilation controls and any safety warning device (where applicable)

#### Instruments inside the cab

- tractormeter and associated chart (if applicable)
- oil pressure gauge (or warning light)
- · battery condition indicator or warning light
- other warning lights (as applicable)
- reversing aid (if applicable)

#### Action in event of warning light

refer to operators manual

#### Maintain/check fire fighting system

- fire fighting system(s) tested (if fitted)
- fire extinguishers maintained, checked and in date

access and egress points in the event of an emergency

#### Topic 3.3

Factors that may cause the cooling system to over heat may include:

- fan belt slack
- radiator core blocked
- radiator fins blocked
- faulty thermostat
- cylinder fins spaces blocked (air cooled only)
- low fluid levels
- other

#### Topic 3.4

Clean battery terminals

- use of hot water
- other

Battery could explode due to:

- excessive charge rate
- charger not switched off before connection or disconnection while on charge
- sparks near gas outlet
- involuntary earthing of the battery
- incorrect fitting of jump leads from machine to machine or power pack
- other

Battery condition may include:

- battery is secured
- leads connected and checked for damage
- terminals cleaned satisfactorily
- anti-corrosion grease put on leads and terminals when reconnecting
- bolts are tight but not over-tightened
- other

#### Topic 3.5

Safe procedure for detection may include:

- hands not used for detection of leak
- use a piece of card or paper
- other

#### Topic 3.6

According to the operators manual and to include:

- · appropriate PPE identified
- use of spill kit
- hydraulic system lowered and pressure
- relieved
- importance of cleanliness
- vacuum pump (if fitted)
- shut off valve (if fitted)

#### Tools:

spanners x 2

#### Criteria for hose replacement

- pressure rating
- length
- end fittings
- bore

#### Factors when fitting new hose

- referred to operators manual
- new hose fitted ensuring inside of hose and joints are clean
- · correctly routed not twisted
- switch off vacuum pump (if fitted)
- open valve (if fitted)
- hydraulic oil topped up and checked as required
- start machine
- operate function
- check for leaks
- · clean up spill kit
- re-check oil level

#### Environmental considerations

- bagged and labelled
- licensed disposal
- recycle
- other

#### Topic 3.7

## The dangers of driving at high speed

- stability
- stopping distance
- other

#### The benefits of wide wheel track settings

- stability
- other

#### Up and down hill

- straight
- load distribution

#### Across a slope

- · avoid if possible
- direction of turn up hill (rigid), downhill
- (articulated), tracked machine (specific)
- · weight distribution
- route construction
- avoid obstacles

#### Over rough ground

- speed
- stability
- · weight distribution

When driving with heavily loaded trailers and implements

- speed
- stability
- · weight distribution
- route planning

Change of centre of gravity when turning

stability

#### Learning outcome

The learner will:

LO4 Know relevant health and safety legislation and industry good practice (**Criteria 4.1-4.6**)

#### **Assessment criteria**

The learner can:

- AC4.1 Outline key health and safety legislation and industry good practice
- AC4.2 State why it is important to maintain good communication and team work within the working environment
- AC4.3 Describe the types of records that may be required for management and legislative requirements
- AC4.4 Outline the emergency planning relevant to the working area
- AC4.5 Describe how environmental damage can be caused and minimised
- AC4.6 Describe the correct methods for disposing of waste

#### Topic 4.1

Outline key points from the legislation listed below:

Health and Safety at Work Act (HSWA) (1974) -

- general duties for employers and employees
- maintain safe places of work
- other

Provision and Use of Work Equipment Regulations 1998 (PUWER 98) -

- record keeping
- operators adequately trained
- equipment fit for purpose
- other

Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (RIDDOR)

- reporting of accidents
- reporting of dangerous occurrences
- other

#### Working at Heights

- adequate precautions taken for safe working procedures
- any height constitutes working at heights
- other

Control of Substances Hazardous to Health (COSHH) Regulations (2002)

- correct PPE to be identified
- correct storage and application
- disposal
- other

#### **Industry Good Practice**

- Arboriculture Forestry Advisory Group (AFAG) information
- Health and safety in forestry
- Forest and water guidelines
- Operators manual

#### Lone working

- effective communication system
- fail to safe system
- reporting in times

#### Line contact possible procedures:

- where possible, drive away to safe area
- if safe, stay in machine and contact power
- company/supervisor
- jump from machine, bunny hop as far as possible

#### Power lines

- designated crossing point (goal posts)
- liaison with power companies
- site maps
- AFAG

- electricity at work
- other

#### Topic 4.2

Importance of communication could include:

- health and safety
- site planning/co-ordination
- other

#### Topic 4.3

#### Records:

- logbook
- service logbook
- time sheet
- maintenance schedule
- other

#### Topic 4.4

Emergency planning procedures for a site could include:

- location name
- grid reference
- · designated meeting place
- · site location name
- nearest access point
- street name/district
- type of access
- suitable helicopter landing area
- phone number of nearest doctor
- location and phone number of nearest
- · accident and emergency hospital
- · works manager contact details
- your own contact number

#### Topic 4.5

Environmental damage may be caused by:

- incorrect storage of fuel and oil
- defective machinery
- poor work practice
- oil and fuel spillages
- other

Environmental damage may be prevented by:

- · following principals of industry good practice
- · good housekeeping

- appropriately trained operators
- spill kits are available
- other

# Topic 4.6

Disposal of waste from workplace activities may include:

- waste oils placed in approved containers for disposal
- use of designated waste/recycle bins
- other

# **Appendix 1** Sources of general information

# **Supporting information**

#### **Evidence requirements**

One to one practical assessment with oral questioning by an NPTC City & Guilds approved assessor.

#### **Unit guidance**

Candidates must successfully achieve all assessment activities in their chosen unit(s).

#### **Safe Practice**

Assessors must hold a current 'First Aid at Work' Certificate.

It is strongly recommended that Candidates hold at least a recent, recognised 'Emergency First Aid' Training Certificate.

All forest machines used in the assessments must comply with relevant Forest Industry Safety Accord (FISA) Safety Guides

Candidates should be familiar with the machine that they are going to operate.

Appropriate Personal Protective Equipment (PPE) must be worn at all times.

A First Aid kit meeting current regulations, of the appropriate size for the number of persons on site, must be available.

The Assessor must ensure a Risk Assessment is carried out, and sufficient control measures implemented.

Any necessary permissions must have been granted, and notifications made as appropriate: (e.g. Forestry Commission, Forest Enterprise, Private owners etc).

All equipment being used for this assessment must comply with relevant requirements of the Provision and Use of Work Equipment Regulations (PUWER) 1998 and Lifting Operations and Lifting Equipment Regulations (LOLER) 1998.

Information may be sought from the relevant operator manuals or any other appropriate training or safety publication.

Provision must be made to avoid the risk of environmental pollution and adequate control measures must be implemented. (a suitable response kit to be available on the machine)

It is the responsibility of the Assessor and the Candidate to ensure that any additional requirements and provisions are met as relevant to this qualification.

Whenever the Candidate leaves the base machine, the parking brake must be applied.

When the Base Machine is parked and left unattended, or any attachments/detachments of equipment, must carry out the safe stop procedure.

The Base Machine must be operated in such a way that the Candidate, Assessor, other persons or equipment are not endangered.

All ancillary equipment, when detached must be left in a safe and stable condition.

Candidates must comply with current regulations when working at heights regulations 2005 amended

The assessment is carried out in accordance with the safety guidelines laid down in Arboriculture and Forestry Advisory Group (AFAG) Safety Guides, Health and Safety publications and current machinery directives.

A breach of Health and Safety that puts any person at risk during the assessment process will result in the assessment being terminated and the Candidate not meeting the required standard

Initial tonnage is measured on unladen vehicle weight

Candidates who undertake this assessment and have met the requirements are reminded of their legal obligation to receive/undertake appropriate additional training in the use of any equipment that differs from that used during the assessment, but which they are nevertheless qualified to use.

#### Suggested learning resources

Forest Industry Safety Accord FISA Guides.

Manufactures handbooks, manuals.

Safety bulletins.

# **Appendix 1** Sources of general information

The following documents contain essential information for centres delivering City & Guilds qualifications. They should be referred to in conjunction with this handbook. To download the documents and to find other useful documents, go to the <a href="Centre document library">Centre document library</a> on <a href="www.cityandguilds.com">www.cityandguilds.com</a> or click on the links below:

#### **Centre Handbook: Quality Assurance Standards**

This document is for all approved centres and provides guidance to support their delivery of our qualifications. It includes information on:

- centre quality assurance criteria and monitoring activities
- · administration and assessment systems
- centre-facing support teams at City & Guilds/ILM
- centre quality assurance roles and responsibilities.

The Centre Handbook should be used to ensure compliance with the terms and conditions of the centre contract.

#### **Centre Handbook: Quality Assurance Standards**

This document sets out the minimum common quality assurance requirements for our regulated and non-regulated qualifications that feature centre-assessed components. Specific guidance will also be included in relevant qualification handbooks and/or assessment documentation.

It incorporates our expectations for centre internal quality assurance and the external quality assurance methods we use to ensure that assessment standards are met and upheld. It also details the range of sanctions that may be put in place when centres do not comply with our requirements or actions that will be taken to align centre marking/assessment to required standards. Additionally, it provides detailed guidance on the secure and valid administration of centre assessments.

Access arrangements: When and how applications need to be made to City & Guilds provides full details of the arrangements that may be made to facilitate access to assessments and qualifications for candidates who are eligible for adjustments in assessment.

The **Centre document library** also contains useful information on such things as:

- conducting examinations
- registering learners
- appeals and malpractice.

#### **Useful contacts**

Please visit the Contact us section of the City & Guilds website, Contact us

#### City & Guilds

For over 140 years, we have worked with people, organisations and economies to help them identify and develop the skills they need to thrive. We understand the life-changing link between skills development, social mobility, prosperity and success. Everything we do is focused on developing and delivering high-quality training, qualifications, assessments and credentials that lead to jobs and meet the changing needs of industry.

We partner with our customers to deliver work-based learning programmes that build competency to support better prospects for people, organisations and wider society. We create flexible learning pathways that support lifelong employability because we believe that people deserve the opportunity to (re)train and (re)learn again and again – gaining new skills at every stage of life, regardless of where they start.

The City & Guilds community of brands includes Gen2, ILM, Intertrain, Kineo and The Oxford Group.

# Copyright

The content of this document is, unless otherwise indicated, © The City & Guilds of London Institute and may not be copied, reproduced or distributed without prior written consent. However, approved City & Guilds centres and learners studying for City & Guilds qualifications may photocopy this document free of charge and/or include a PDF version of it on centre intranets on the following conditions:

- centre staff may copy the material only for the purpose of teaching learners working towards a City & Guilds qualification, or for internal administration purposes
- learners may copy the material only for their own use when working towards a City & Guilds qualification.

The Standard Copying Conditions (see the City & Guilds website) also apply.

Contains public sector information licensed under the Open Government Licence v3.0.

Published by City & Guilds, a registered charity established to promote education and training.

City & Guilds of London Institute Giltspur House 5–6 Giltspur Street London EC1A 9DE

#### cityandguildsgroup.com