



City & Guilds NPTC Level 2 Award in Forest Machine Operations - Base Machine (0020-30)

Version 1.2 (March 2025)

Qualification Handbook

Qualification at a glance

Subject area	Forestry and Arboriculture
City & Guilds number	0020-30
Age group approved	16+
Entry requirements	Candidates must meet minimum age requirements
Endorsement(s)	The assessment may be taken on a machine with any type of machine that is: 937 Under 2.5 tonne tracked 938 Over 2.5 tonne tracked 939 Under 2.5 tonne wheeled articulated 940 Over 2.5 tonne wheeled articulated 941 Under 2.5 tonne wheeled rigid 942 Under 2.5 tonne wheeled rigid
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 Forest Machine Operations - Base Machine	0020-30	600/9102/2	35	40

Version and date	Change detail	Section
1.0 March 2024	Initial version	All
1.1 August 2024	Updated contents	Contents Page
1.2 March 2025	Updated Quality Assurance Updated Inclusion and Diversity Updated Sustainability	Throughout

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1 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?	<p>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.</p> <p>Qualification Overview: This qualification is designed specifically for those who wish to Operate Forest Base Machine.</p> <p>What you need to do: Candidates to undertake an oral and practical assessment</p>
What does the qualification cover?	<p>This qualification covers the requirements for the correct Operation of Forest Base Machines.</p> <p>Please refer to the Qualification Handbook for more detail.</p>
What opportunities for progression are there?	<p>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.</p> <p>Once a candidate has successfully completed this qualification, they will be able to Operate Forest Base Machines.</p> <p>Individuals who successfully complete this qualification could go on to increase their level of proficiency through consolidation practice within a working environment.</p>
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 candidate's 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.

2 Qualification 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
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Mandatory units:

Learners must achieve or **must** have achieved this mandatory unit.

208	Prepare and operate a base machine	35
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Unit 208 Qualification endorsement certification module numbers

Certification Module Number	Certification Module Title
937	Under 2.5 tonne tracked
938	Over 2.5 tonne tracked
939	Under 2.5 tonne wheeled articulated
940	Over 2.5 tonne wheeled articulated
941	Under 2.5 tonne wheeled rigid
942	Over 2.5 tonne wheeled rigid

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 consists 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 (0020-30)	35	40

3 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 **Centre Approval process: Quality Standards** for further information. Please email qasupport@cityandguilds.com 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.

Quality assurance

Approved centres must have effective quality assurance systems to ensure optimum delivery and assessment of qualifications. Quality assurance includes initial centre approval, qualification approval and the centre's own internal procedures for monitoring quality. Centres are responsible for internal quality assurance and City & Guilds is responsible for external quality assurance. All external quality assurance processes reflect the minimum requirements for verified and moderated assessments, as detailed in the Centre Assessment Standards Scrutiny (CASS), section H2 of Ofqual's General Conditions. For more information on both

CASS and City & Guilds Quality Assurance processes visit: the **What is CASS?** and **Quality Assurance Standards** documents on the City & Guilds website.

Standards and rigorous quality assurance are maintained by the use of:

- Internal quality assurance
- City & Guilds external quality assurance.

In order to carry out the quality assurance role, Internal Quality Assurers must

- have appropriate teaching and vocational knowledge and expertise
- have experience in quality management/internal quality assurance
- hold or be working towards an appropriate teaching/training/assessing qualification
- be familiar with the occupation and technical content covered within the qualification.

External quality assurance for the qualification will be provided by City & Guilds EQA process. EQAs are appointed by City & Guilds to approve centres, and to monitor the assessment and internal quality assurance carried out by centres. External quality assurance is carried out to ensure that assessment is valid and reliable, and that there is good assessment practice in centres.

The role of the EQA is to:

- provide advice and support to centre staff
- ensure the quality and consistency of assessments and marking/grading within and between centres by the use of systematic sampling
- provide feedback to centres and to City & Guilds

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: **Access arrangements and reasonable adjustments**

4 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.

Inclusion and diversity

City & Guilds is committed to improving inclusion and diversity within the way we work and how we deliver our purpose which is to help people and organisations develop the skills they need for growth.

More information and guidance to support centres in supporting inclusion and diversity through the delivery of City & Guilds qualifications can be found here:

Inclusion and diversity | City & Guilds ([cityandguilds.com](https://www.cityandguilds.com))

Sustainability

City & Guilds are committed to net zero. Our ambition is to reduce our carbon emissions by at least 50% before 2030 and develop environmentally responsible operations to achieve net zero by 2040 or sooner if we can. City & Guilds is committed to supporting qualifications that support our customers to consider sustainability and their environmental footprint.

More information and guidance to support centres in developing sustainable practices through the delivery of City & Guilds qualifications can be found here:

Our Pathway to Net Zero | City & Guilds ([cityandguilds.com](https://www.cityandguilds.com))

Centres should consider their own carbon footprint when delivering this qualification and consider reasonable and practical ways of delivering this qualification with sustainability in mind. This could include:

- reviewing purchasing and procurement processes (such as buying in bulk to reduce the amount of travel time and energy, considering and investing in the use of components that can be reused, instead of the use of disposable or single use consumables)
- reusing components wherever possible
- waste procedures (ensuring that waste is minimised, recycling of components is in place wherever possible)

- minimising water use and considering options for reuse/salvage as part of plumbing activities wherever possible.

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

5 Assessment

Assessment of the qualification

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

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 the 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
		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.

6 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 consists of 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 minimise 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 (PPE) 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 post start checks of the machine consistent with environmental best practice and manufacturer's 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 operator's 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
- operator's handbook
- stability
- traction aids
- band tracks or chains
- other

Wheel nuts

- visually
- torque wrench
- operator's 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 operator's 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 operator's manual

Maintain/check firefighting system

- firefighting 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 overheat 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 operator's 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 operator's 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 teamwork 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
- Operator's 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 doctors
- 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

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 both mandatory units.

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 always be worn.

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: (eg 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

Forestry Industry Safety Accord FISA Guides.

Manufacturer's 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 **Centre document library** on www.cityandguilds.com 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 Assessment: 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

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