



City & Guilds Level 2 Certificate of Competence in Using a Chainsaw from a Rope and Harness (0039-23)

Version 1.5 (March 2025)

Qualification Handbook

Qualification at a glance

Subject area	Chainsaw and Related Operations
City & Guilds number	0039-23
Age group	16+
Entry requirements	<p>Candidates must have achieved 0039-20 Level 2 Certificate of Competence in Chainsaw Maintenance and Cross-Cutting, 0039-21 Level 2 Certificate of Competence in Felling Small Trees up to 380mm and 0039-22 Level 2 Certificate of Competence in Tree Climbing and Aerial Rescue (or equivalent versions).</p> <p>Centres must ensure that any pre-requisites stated in the <i>What is this qualification about?</i> section are met.</p>
Assessment	<p>To gain this qualification, candidates must successfully achieve the following assessments:</p> <ul style="list-style-type: none"> one to one practical assessment with oral questioning by an NPTC City & Guilds approved assessor.
Grading	Met/not met
Approvals	<p>Full centre approval</p> <p>Qualification approval</p>
Support materials	<p>Qualification Handbook (candidates)</p> <p>Assessment materials (approved assessment centres only).</p>
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 Level 2 Certificate of Competence in Using a Chainsaw from a Rope and Harness	0039-23	603/7356/8	24	26

Version and date	Change detail	Section
1.0	First version	
1.1 October 2021	AO name added to qualification title	Throughout
1.2 August 2022	Formatting changes Updated logo Updated 'Sources of general information'	Throughout Front cover Appendix 1
1.3 August 2024	Update of Quality Assurance Statement Formatting changes	Centre Requirements
1.4 October 2024	Formatting changes	Throughout
1.5 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 Level 2 Certificate of Competence in Using a Chainsaw from a Rope and Harness (0039-23)**

Area	Description
Who is the qualification for?	Individuals who climb trees as part of their work in arboriculture, forestry or other industries. It will provide the individual with the knowledge, understanding and skills required to climb trees and perform aerial rescue safely and to industry standards in line with current legislation.
What does the qualification cover?	It covers risk assessment, emergency planning, legislation, industry best practice, environmental considerations, tree condition and working at height assessments, equipment and systems, tree climbing, aerial rescue by climbing suitability, rescue plan and implementation.
What opportunities for progression are there?	This qualification will support progression into employment where tree climbing and rescue 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.
Who did we develop the qualification with?	Developed with City & Guilds NPTC Stakeholders, associates and industry representatives.
Is it part of an apprenticeship framework or initiative?	No

2 Qualification structure

To achieve the **City & Guilds Level 2 Certificate of Competence in Using a Chainsaw from a Rope and Harness (0039-23)** learners must achieve:

City & Guilds unit number	Unit title	GLH
Mandatory units:		
Learners must achieve or must have achieved this mandatory unit.		
204	Using a chainsaw from a rope and harness	24

Total Qualification Time

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 achieve and demonstrate the achievement of the level of attainment necessary for the award of a qualification.

TQT consists of the following two elements:

- the number of hours which an awarding organisation has assigned to a qualification for Guided Learning, and
- 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
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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 Health and Safety 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

Candidates must have achieved 0039-20 Level 2 Certificate of Competence in Chainsaw Maintenance and Cross-Cutting, 0039-21 Level 2 Certificate of Competence in Felling Small Trees up to 380mm and 0039-22 Level 2 Certificate of Competence in Tree Climbing and Aerial Rescue (or equivalent versions).

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
204	Using a chainsaw from a rope and harness.	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:

- Candidates must finish their assessment within 24 months of date of initial registration
- Assessments should take no longer than 1.5 – 3 hours
- Qualification registration is valid for two years.

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 consist of several assessment criteria

Guidance for delivery of the units

This qualification consists of one **unit**. 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 204

Using a chainsaw from a rope and harness

Level:	2
GLH:	24
Assessment type:	Practical activities with oral assessment.
Aim:	The aim of this unit is to provide the learner with the knowledge, understanding and skills required to use a chainsaw from a rope and harness.

Learning outcome

The learner will be able to:

LO1 Use a chainsaw from a rope and harness (**Criteria 1.1 – 1.5**)

Assessment criteria

AC1.1 Risks, hazards, controls, emergency planning and industry guides

AC1.2 Tree condition

AC1.3 Tools and equipment

AC1.4 Pruning techniques

AC1.5 Tree pruning from a rope and harness

Topic 1.1

Hazards, risks and controls relevant to the site task and machine.

Emergency procedures relevant to the work site.

Industry guides relevant to using a chainsaw from a rope and harness:

- AA Technical Guide 1 Tree climbing and aerial rescue
- AA Technical Guide 2 Use of tools in a tree
- tree work recommendations BS3998.

Worksite layout factors:

- work zone: an area where hazards may be encountered
- drop zone: an area where it is anticipated materials may fall
- exclusion zone: the overall operational area.

Tree evaluation may be carried out via:

- visual observation
- hazard evaluation report.

Implications of the hazards when identified:

- physical injury
- damage to equipment
- damage to retained part of the tree
- disruption to wildlife.

Topic 1.2

Potential hazards that may be encountered:

- evidence of cavities, decay or decay fungi
- deadwood and broken branches
- dead or flaking bark
- V shaped unions
- cracks
- nesting insects
- the presence of power lines or telephone wires
- targets and obstacles underneath the tree
- can the work be carried out from ground level
- the use of a mobile elevating work platform (MEWP) to prevent a fall
- the use of suitable equipment minimises the distance and consequence of a fall.

Species, condition of tree and time of year may affect the work owing to:

Species:

- brittle timber – loss of control
- responses to pruning.

Condition:

- dead – loss of control, safety compromised
- diseased – biosecurity measures.

Time of year:

- some species 'bleed' heavily if pruned at certain times of year
- promotion of subsequent disease or infection.

Topic 1.3

Compliant PPE and safety clothing for tree climbing and chainsaw use:

- tree climbing helmet
- personal first aid kit
- knife with retractable blade or handsaw
- chainsaw safety footwear with good grip and ankle support
- non- snag clothing
- eye protection
- hearing protection
- chainsaw protective clothing
- appropriate chainsaw with lanyard.

Hand tools:

- appropriate size
- suitable for the task

- guarded as appropriate
- maintained.

Compliant climbing equipment for tree climbing.

Inspect all equipment to be used and comment on the condition/checks made.

Basic principles of target pruning are to:

- simulate the trees' natural ability to shed branches
- leaves the branch bark ridge and collar intact
- allow complete doughnut of callus wood to be able to form
- allow protection boundary to develop inside collar.

Topic 1.4

Cuts that maybe used and their application:

Sink cut:

- directional sink with back cut retaining hinge which aids direction used on free fall and hand-held sections.

Step cut:

- two over lapping cuts used on free fall and hand-held sections.

Inboard:

- finishing cut towards main stem, reducing risk of saw being taken.

Out board:

- finishing cut away from main stem, timber falls flat and reduces the risk of tearing.

V cut:

- two joining directional sinks with back cut, used on smaller diameter stems under tension.

Holding cut:

- sink cut with retained hinge and hold at the rear, used on larger diameter stems under tension.

The use of equipment to aid with the removal of tree sections:

- tape sling used on end of limb to act as lever/hand hold for step cut hand-held sections
- pull line used to help the removal of cut sections
- handsaw light weight cutting aid.

Tree section removal may have the effect of:

- allowing cavities to form
- allowing pathogen infection into wounds
- removing of trees protection boundaries
- allowing potential development of rot
- reduction of potential energy reserves
- increased potential for insect infestation, development of cracks and dead spots
- development of excessive sprouting

- promotion of re-growth
- promotion of habitat
- stability of retained structure.

Importance of accurate cuts:

- direction
- control
- efficiency
- damage the cutting systems
- splitting.

The procedure for releasing a trapped saw when working in the crown should be:

- switch of the engine or apply chain brake
- release the saw from the climbing harness where the risk exists of the saw being taken with the cut section
- attach the saw to the tree inboard of the cut or to a separate branch or tool line
- pull the saw from the kerf, lifting the branch as necessary
- if necessary, use a second saw to release the trapped saw, cutting a minimum of 300mm (12") away from the trapped saw.

It may be necessary to use a top handled chainsaw in the tree one-handed:

- when working at the extremity of limbs and cutting is required while the other hand is needed to maintain the work position
- when two-handed operation cannot be carried out safely
- when a chainsaw is used with one hand it must be out of alignment with the operator and all climbing equipment.

Topic 1.5

Selection of appropriate anchor points:

- size
- strength
- position.

All anchor points selected:

- size, strength and structure
- position in relation to the parts of the tree to be accessed
- use of equipment to minimise damage to the tree if appropriate.

Establish initial anchor points:

- suitability of the techniques used
- accurate installation of equipment
- organisation of ropes
- safety and position of the anchor points
- testing of the anchor points by thorough loading prior to ascent.

Technique used:

- efficient use of technique chosen
- candidate is always attached to the tree in accordance with industry good practice
- appropriate selection of anchor points

- appropriate route taken up the tree
- correct use of systems when changing anchor points
- thorough load testing of new anchor points
- risk of a fall is always managed
- correct use of equipment.

Clear drop zone to be used during the removal of timber using free-fall techniques.

Climber achieves position to receive the chainsaw. Work position for cutting attained:

- chain brake applied or saw switched off whilst position attained
- appropriate working position attained with the climber in a balanced and stable position to use the saw
- the use of load bearing supplementary anchor points as appropriate.

Step cut and sink cut sections should be removed, both free fall and hand-held:

- characteristics and properties of the wood allowed for
- manageable sections selected
- saw released from strop if applicable and attached to a supplementary anchor point
- climber holding the saw using both the front and top/rear handles of the saw
- side or reducing cuts used where appropriate
- appropriate hinge left on sink cut sections
- position of cuts on step cut sections and a complete overlap of cuts achieved
- chain brake applied or saw switched off whilst breaking and casting sections
- climber maintains awareness of activity below
- hand-held sections are cast into a predetermined area
- the branch collar and/or branch bark ridge is identified when pruning
- the pruning cut is left as smooth as possible.

Associated equipment:

- tape sling
- pull/tag line.

All waste produced from activities is disposed of in line with legislation, good practice and/or site requirements.

Communication between climber and ground staff maintained when appropriate.

All tools, equipment and personal protective equipment is used in line with industry good practice.

It is ensured that any possible environmental damage is always minimised.

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

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.

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.

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.

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

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.

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

Manufacturers' 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:

Quality Assurance Standards: Centre Handbook

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.

Quality Assurance Standards: Centre Assessment

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**.

About City & Guilds

As the UK's leading vocational education organisation, City & Guilds is leading the talent revolution by inspiring people to unlock their potential and develop their skills. We offer over 500 qualifications across 28 industries through 8500 centres worldwide and award around two million certificates every year. City & Guilds is recognised and respected by employers across the world as a sign of quality and exceptional training.

City & Guilds Group

The City & Guilds Group is a leader in global skills development. Our purpose is to help people, organisations and economies develop their skills for growth. We work with education providers, employers and governments in over 100 countries across the world to help people, businesses and economies grow by shaping skills systems and supporting skills development.

The Group is made up of City & Guilds, ILM, Kineo, The Oxford Group, Gen2, and Intertrain. Together we set the standard for professional and technical education and corporate learning and development around the world.

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