CITY & GUILDS NPTC LEVEL 3 AWARD IN FELLING AND PROCESSING TREES OVER 380mm QAN 600/6163/7



QUALIFICATION GUIDANCE

Independently Assessed

Essential Qualification Information

Not to be used by the Candidate during Assessment

You will require some of this information to accurately complete the Record of Assessment (ROA).

| Qualification Group No | 0 0 2 1 | Forestry & Arboriculture Level 3 |
|---------------------------------------|---------------|--|
| Qualification Programme No | 0 0 2 1 - 1 1 | Award In Felling and Processing Trees Over 380mm |
| Unit(s) | 3 0 1 | Fell and process trees over 380mm |
| Guided Learning Hours (GLH) | 301 | GLH 19 (Credit Value 3) |
| Total Qualification Time (TQT) | | 30 Hours |
| Recommended Assessment Duration | | 2.5 – 3.5 hours per Candidate |
| Pre-Requisite Units | 2 0 1 | Carry out maintenance of chainsaw and cutting system |
| Unitə | 2 0 2 | Cross-cut timber using a chainsaw |
| | 2 0 3 | Fell and process trees up to 380mm |

| | Change detail | Section |
|-------------------|--|--|
| 1.2 November 2017 | Added TQT details Deleted QCF / Learning Time | Qualification at a glance, Structure |
| | | Throughout |

City and Guilds NPTC Level 3 Award in Felling and Processing Trees Over 380mm Qualification Guidance

Introduction

The scheme will be administered by City & Guilds

City & Guilds will:

Publish - Scheme regulations - Qualification guidance - Training materials - Trainers' support materials Approve centres to co-ordinate and administer the scheme Set standards for the training of Verifiers and Assessors Recruit, train and deploy Verifiers Issue certificates to successful Candidates

The Qualification

The qualification will be awarded to Candidates who achieve the required level of competence in the units to which their certificate relates.

Instruction

Unit 301

Attendance at a course of instruction is not a pre-requisite for an application for an assessment but potential Candidates are strongly advised to ensure that they are up to the standards that will be expected of them when they are assessed.

Total Qualification Time

Total Qualification Time (TQT) is the total amount of time, in hours, expected to be spent by a Learner to achieve a qualification. It includes both guided learning hours (which are listed separately) and hours spent in preparation, study and assessment.

Access to Assessment

Assessment centres will be responsible for arranging assessment on behalf of the Candidate.

The minimum age limit for Candidates taking Certificates of Competence is 16 years. There is no upper age limit.

The assessment is one Mandatory unit:

| Fell & | Process Trees Over 380mm |
|--------|---|
| Outco | mes |
| 1. | Be able to promote health and safety and industry good practice (1) (Criteria 1.1 – 1.5) |
| 2. | Be able to fell trees and process trees over 380mm (2) (Criteria 2.1 – 2.14) |
| 3. | Understand relevant health and safety legislation and industry good practice (3) (Criteria 3.1 - 3.7) |
| 4. | Understand how to fell and process trees over 380mm (4) (Criteria 4.1 – 4.9) |
| 5. | Understand how to remove branches from felled trees using a chainsaw (5) (Criteria 5.1 – 5.8) |
| 6. | Understand how to take down hung up trees (6) (Criteria 6.1 – 6.6) |

Candidates must successfully achieve all assessment activities in the above unit.

Quality Assurance

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.

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 verifier.

Compliance with the verification requirements is a pre-requisite for Assessors remaining on the list of approved Assessors.

After assessment has been completed the Qualification Guidance is to be forwarded to the centre and retained by the centre until after the annual centre visit has taken place by a Quality Systems Consultant (QSC). **Performance Evaluation**

The result of each assessment activity is evaluated against the following criteria:

- M = Met Meets or exceeds the assessment criteria by displaying a level of practical performance and/or underpinning knowledge. If the Criterion has been MET, a tick 🗹 is to be put in the box provided in the left-hand column.
- NM = Not Met Does not satisfy the requirements of the assessment criteria, being unable to perform the practical task satisfactorily or safely or being deficient in underpinning knowledge. If the Criterion is NOT MET, a cross 🗵 is to be put in the box provided in the left-hand column.

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 an external verifier may be approached to offer independent advice. All appeals must be clearly documented by the Centre Manager and made available to the external verifier or City & Guilds if advice is required.

Should occasions arise when centres are not satisfied with any aspect of the external verification process, they should contact Verification Services at City & Guilds.

Access to the qualification is open to all, irrespective of gender, race, creed, age or special needs. 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.

Additional Information

May be sought from the relevant manufacturer's operator manuals or any other appropriate training or safety publication.

Questions should be related to the background or employment aspirations of the candidate and, where possible, product labels used should be representative of products typically used in that sector or industry.

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.

Assessment Guidance for the Assessor

This qualification can only be assessed by an Assessor who is suitably qualified and meets the requirements of the awarding body. The Assessor must be independent **and cannot have been involved with the training of the Candidate**. Please see City & Guilds Centre Manual for guidance.

The Candidate is to be notified of the place and time of assessment and when formal assessment commences and ceases.

Assessors are reminded that assessment is a formal process and that assessment must be carried out using this Qualification Guidance. All relevant assessment criteria must be assessed against the criterion as specified in the Qualification Guidance. Assessment will be carried out by direct observation and by oral questioning of the Candidate. Where a specific number of responses are required theses may include other suitable answers not specified if they are deemed to be correct by the Assessor. The performance of the Candidate is to be recorded on the Qualification Guidance as directed by completing the tick boxes. Space has been provided on the Qualification Guidance for the person assessing to record relevant information which can be utilised to provide feedback to the Candidate. In addition space has been provided at the end of the Qualification Guidance for the Candidate to give feedback on the training they have received and the assessment process. Assessors are reminded that feedback from the Candidate is required on the Record of Assessment that is sent to City & Guilds as part of the quality assurance process.

Assessment Guidance for Candidate

A list of registered assessment centres is available form City & Guilds Land Based Services. (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 his/her 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.

The results of the assessment will be recorded on the Record of Assessment form (ROA).

The qualification guidance contains criteria relating to:

- Observation of practical performance
- Assessment of underpinning knowledge

Assessment Requirements

- All assessment is to be carried out according to the size of the trees.
- Size: over 380mm (15")
- Maximum required guide bar is 18"
- Learner must prove operator competence appropriate felling methods for 2 of the following tree types:
 - At least 1 tree to be 560mm + (22.5"+)
 - Upright minimum 1, maximum 2
 - Backward leaning minimum 1, maximum 2
 - Trees heavily leaning/weighted in the intended felling direction minimum 1, maximum 2
- Branch removal : all felled trees must have all branches removed flush with the stem.
- Cross-cut : all felled trees must be cross-cut
- Hung up trees : It is not necessary for this tree to be 560mm+ in diameter; however it should be at least 380mm.
- 1 felled tree must be hung up.
- An additional felled tree must be hung up from the minimum 2 required within the felling requirements.
- It is acceptable for the assessor to 'hang' the tree if there is not one available for the assessment
- Appropriate hand/aide tools for felling trees up to twice guide bar (36") in diameter

Chainsaw Safe Practice

At all times during the assessment, equipment must be used in accordance with industry good practice, whatever the task being carried out.

- Assessors must hold a current 'First Aid at Work' Certificate.
 All chainsaws used in assessments must comply with relevant Arboriculture and Forestry Advisory Group (AFAG) guidance and HSE Chainsaws at Work INDG317(rev1), in terms of safety features, and be a model and size suited to the task(s) required.
- 4. Recommended guide bar lengths should be observed, although variations may be accepted at the discretion of the assessor where this is appropriate to the task.
- 5. Candidates should be familiar with the machinery, equipment and tools that they are going to use.
- 6. During chainsaw based assessments a spare working chainsaw must be available.
- 7. Appropriate Personal Protective Equipment (PPE) must be worn at all times by both the candidate and the assessor. All PPE used must comply with relevant AFAG guidance, industry good practice, Health and Safety Executive publications and current legal requirements in terms of specification and use.
- 8. A First Aid kit meeting current regulations, of the appropriate size for the number of persons on site, must be available, along with appropriate fire fighting and suitable welfare facilities e.g. hand cleansing wipes.
- 9. The use of personal first aid kits must be line with current industry good practice.
- 10. The assessor must ensure a site specific risk assessment has been carried out, sufficient control measures implemented and appropriate emergency procedures recorded. All recorded risk assessment information should be clearly legible and accessible to candidates and completed for all locations where assessment activities are scheduled to take place.
- 11. Manual handling techniques must comply with current legislation and industry good practice.
- 12. Any necessary permission must have been granted, and notifications made as appropriate.
- 13. All equipment being used for this assessment must comply with relevant legislative requirements.
- 14. Information may be sought from the relevant operator manuals or any other appropriate training or safety publication.
- 15. The current regulations for transport, handling and storage of fuel and oils must be complied with.
- 16. Provision must be made to avoid the risk of environmental pollution.
- 17. 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.
- 18. At all times during the assessment, candidates must act in a way so as not to endanger themselves, the assessor or any other person or equipment. Work must be carried out to achieve the requirements of the assessment criteria in accordance with all relevant and current legislation and good practice guidance.
- 19. If required, relevant records must be accurately kept.
- 20. Appropriate steps should be taken to maintain effective teamwork in respect of other persons on site during the assessment. .
- 21. Any appropriate item of machinery complying with current legal requirements is acceptable for the assessment, provided it is suitably equipped for **all** assessment activities to be carried out.
- 22. All equipment being used for this assessment must comply with the relevant requirements of the Provision and Use of Work Equipment Regulations (PUWER) 1998.
- 23. 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.

This may include taking steps to ensure effective communication and safety precautions.

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| Candidate | Candidate A Name: | | | Da | te: | Start Time: | Duration: | | | | | |
|--------------------|-------------------|---|---|---------------|--|--|--------------|--------|----------|------------------|---------|--|
| Candidate | В | Name: | | Da | te: | Start Time: | Dura | atio | ו: | | | |
| Candidate | С | Name: | | Da | te: | Start Time: | Dura | atio | ו: | | | |
| Candidate | D | Name: | Da | | te: | Start Time: | Duration: | | | | | |
| CRITERIA NUMBER | | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | | | SSESSMENT ACTIVITIES | | C A | AND B | IDA [.] | TE D | |
| 3.1 3 | | lain the importance of assessment | Two reasons | | Risk assessment is ir legislative requir helps provide ar other | • | ork | | | | | |
| 1.1 1 | risk: wor | ntify the hazards and s associated with the king area and the bosed work | Three hazards and risks w the working area Three hazards and risks w the proposed work | | | Met ✓ Not I thing with the potential to ca might be harmed and how), lone Met ✓ Not I | use | | | | | |
| 3.2 3 | plar | line the emergency ining procedures vant to the working a | State five emergency procedures | | include: location name grid reference designated mee site location nam nearest access street name/dist type of access (wheel drive) suitable helicopt phone number of location of neare hospital and pho works manager | ne point trict public road/light vehicles, for ter landing area of nearest doctor est accident and emergency one number | ur- | | | | | |
| 3.3 3 | and | nmarise current health safety legislation and istry good practice | Two points from Health and Safety at Work Act 1974 Provision and Use of Work Equipment Regulations 19 (PUWER 98), Regulation S State where industry good practice is found Arboricult Forestry Advisory Group (AFAG) | (198 9 | good practice listed b Health and Safety at general duties fo maintain safe plate other Provision and Use of (PUWER): operators adequ equipment fit for other Arboriculture Forestry information: providers of induce other | where the legislation and industrive work Act (HSWA): or employers and employees aces of work Work Equipment Regulation uately trained purpose y Advisory Group (AFAG) ustrial good practice | ry 5 - | | | | | |
| | | | | | • two times tree le | ength Met ✓ Not I | Met X | | | | | |

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| CRITERIA | ASSESSMENT | ASSESSOR | ASSESSMENT | - | AND | | 1 |
|----------|---|---|--|----|-----|---|----------|
| NUMBER | CRITERIA | GUIDANCE | ACTIVITIES | Α | В | С | D |
| 4.9 | Describe the additional safeguards to implement | One safeguard for in proximity to paths | Additional safeguards may include: | | | | |
| 4.9 | when felling in proximity to: | proximity to paths | In proximity to paths: | | | | |
| 4 | | | warning signs | | | | |
| 4 | Paths | | barrier tape | | | | |
| | Roads or areas with public access | | • banksman | | | | |
| | Underground/ | One safeguard for Roads or | Roads or areas with public access: | | | | |
| | Overground wayleaves | areas with public access | • signs | | | | |
| | | | traffic management | | | | |
| | | | permissions granted | | | | |
| | | One sets mound for | | | | | |
| | | One safeguard for Underground/overground | Underground/overground wayleaves: | | | | |
| | | wayleaves | increase safe working distances | | | | |
| | | - | wayleaves shutdown | | | | |
| | | | permit work | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Explain the legal | Two legal - must include | Legal requirements relating to felling operations may | | | | <u> </u> |
| 3.7 | requirements and | felling licences and Tree | include: | | | | |
| | constraints for felling trees in different circumstances | Preservation Order (T.P.O.) | Felling licences | | | | |
| 3 | in different circumstances | | Tree Preservation Order (T.P.O.) | | | | |
| | | | Conservation Areas | | | | |
| | | | • wildlife considerations e.g. nesting birds/bats | | | | |
| | | Two constraints | | | | | |
| | | Two constraints | Constraints may include: | _ | _ | _ | |
| | | | presence of wayleaves | | | | |
| | | | site conditions inc. terrain | | | | |
| | | | condition of trees | | | | |
| | | | operator competency levels | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Describe the potential | One cause | Potential environmental damage may include: | | | | |
| 3.5 | environmental damage that | | damage to retained trees | | | | |
| | could occur and how to | | contamination of watercourses | | | | |
| 3 | respond appropriately | | wildlife disturbance | | | | |
| | | | | | | | |
| | | One prevention | Appropriate prevention may include: | | | | |
| | | | containment and clearance of spills | | | | |
| | | | good housekeeping, use of spill mats etc | | | | |
| | | | work sequence chosen to minimise subsequent | | | | |
| | | | damage to retained trees | | | | |
| | | | wildlife assessments completed prior to work | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Explain how to identify | State two | Trees for felling may be identified: | | | | |
| 4.1 | which trees need to be | | • by having trees marked | | | | |
| | felled | | • by using maps | | | | |
| 4 | | | by their species | | | | |
| | | | | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Prepare trees appropriately | Brashing to be demonstrated | Prepare trees for felling by: | | | | |
| 2.3 | to the condition and the specification for the site | or simulated | • brashing lower branches taking into account: | 1 | | | |
| • | | | correct "break-in" | | | | |
| 2 | | | position of the saw in relation to the operator, | _ | _ | _ | _ |
| | | | bar on opposite side of stem | | | | |
| | | | height to which branches are removed | | | | |
| | | | saw body not above shoulder height | | | | |
| | | | operating technique | | | | |
| | | | brashing close to the stem | | | | |
| | | | removing climbing vegetation and other | 1. | _ | _ | |
| | | | obstructions as appropriate | | | | |
| | | | buttresses removed appropriately | | | | |
| | | | inspecting the tree for signs of rot or decay | | | | |
| | | | Met ✓ Not Met X | | | | |
| | 1 | | | | | | |

| CRITERIA | ASSESSMENT | ASSESSOR | ASSESSMENT | C | | IDAT | ΓE |
|----------|---|-------------------|---|---|---|------|----|
| NUMBER | CRITERIA | GUIDANCE | ACTIVITIES | Α | В | С | D |
| 4.3 | Describe how to recognise signs of disease and decay | Two signs | Recognition of disease and decay in trees may include: | | | _ | |
| 4.5 | in trees and modify felling | | fungal growth/cavities flaking/missing bark | | | | |
| 4 | methods accordingly | | discolouration of timber/bark | | | | |
| - | | | other | | | | |
| | | | | | | | |
| | | Two modifications | Modification of felling methods may include: | | | | |
| | | I WO INOUNCAUONS | placing felling cuts higher up the stem in sound | | | | |
| | | | timber | | | | |
| | | | use of assisted felling techniques to ensure | | | | |
| | | | accurate felling direction | | | | |
| | | | non removal of buttresses roots/basal flare to provide more holding timber | | | | |
| | | | other | | | | |
| | | | | | | | |
| | | | Met ✓ Not Met X | | | | |
| | State how to recognise | State one | Recognising a tree is difficult to fell may include: | | | | - |
| 4.8 | when a tree is difficult to | | tree form, size or weight | | | | |
| | fell | | above competency of the operator | | | | |
| 4 | | | presence of decay or rot is found | | | | |
| | | | site specific hazards exist e.g. power lines | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Explain the advantages of | Two explanations | Advantages of setting up supports prior to felling may | | _ | | F |
| 4.5 | setting up or using a | | include: | | | | |
| | natural felling bench, brash mat or similar support prior | | to provide an ergonomic working height for further | | | | |
| 4 | to felling | | processing to ease the turning of trees | | | | |
| | | | to ease the turning of trees to reduce the need for manual handling | | | | |
| | | | other | | | | |
| | | | | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Describe recognised felling | | Felling techniques for trees may include: | | | | |
| 4.2 | methods for the following: | | upright trees – bore and sweep felling cut, | | | | |
| 4 | Upright trees | | danish/pie/safe corner cut with the use of appropriate aid tools e.g. wedges | | | | |
| 4 | Backward leaning trees | | backward leaning – standard felling cut with the | | | | |
| | Trees heavily leaning/weighted in the | | introduction of felling aids, split level, | | | | |
| | intended felling direction | | danish/pie/safe corner cut. Assisted felling techniques | | | | |
| | | | trees heavily leaning/weighted in the intended | | | | |
| | | | felling direction – Dogs tooth/holding cut | | | | |
| | | | Boring of the centre of the sink (heartwood cuts) may | | | | |
| | | | be undertaken: | | | | |
| | | | • to allow trees greater than double the length of | | | | |
| | | | the guidebar to be felled | | | | |
| | | | to reduce the chances of a timber "pull" | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Explain how felling methods are modified for: | | Felling methods may be modified by: | | | | |
| 4.4 | methous are modified for: | | Double stems: | | | | 1 |
| 4 | Double stems | | stems felled individual or below the stem divide | | | | |
| - | Hanging branches | | assisted or mechanical | | | | |
| | Long limbs | | • other | | | | |
| | Large cavities | | | | | | |
| | Foreign bodies | | Hanging branches: | | | | |
| | | | | 1 | | | |
| | | | attempt made to remove the hanging branch, no | | | | |
| | | | attempt made to remove the hanging branch, no felling activities directly beneath | | | | |
| | | | | | | | |

| NUMBER | ASSESSMENT | ASSESSOR | ASSESSMENT | | 1 | IDA | 1 |
|---------------------------|---|--|---|---|---|-----|---|
| | CRITERIA | GUIDANCE | ACTIVITIES Long limbs: | Α | В | С | D |
| Cont | | | alter sink dimensions | | | | |
| | | | assisted felling | | | | |
| 4.4 | | | other | | | | |
| | | | • Other | | | | |
| 4 | | | Large cavities and foreign bodies: | | | | |
| | | | fell above or below the cavity/foreign body | | _ | | |
| | | | assisted or mechanical | | | | |
| | | | | | | | |
| | | | • other | | | | |
| | | | | | | | |
| | Evolain how to fall standing | One technique | Met ✓ Not Met X Felling of standing stems: | | | | |
| 4.7 | Explain how to fell standing stems and additional | One technique | conventional felling method | | _ | | |
| | safeguards required | | alternative felling method | | | | |
| 4 | | | | | | | |
| - | | One safeguard | Additional safeguards may include: | | | | |
| | | | assisted felling techniques | | | | |
| | | | use of aid tools to provide adequate leverage | | | | |
| | | | | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Explain how and when to | One explanation of each | How: | | | | |
| 4.6 | use additional equipment, to assist with the felling of | | placing felling levers in the felling kerf | | | | |
| | trees and the additional | | wedges placed in the felling kerf | | | | |
| 4 | safeguards required | | assisted felling techniques | | | | |
| | | | • other | | | | |
| | | | | | | | |
| | | | When: | | | | |
| | | | additional leverage is required | | | | |
| | | | • risk exists of tree sitting back and trapping the | | | | |
| | | | saw | | | | |
| | | | tree form, size or weight dictates | | | | |
| | | | • other | | | | |
| | | | | | | | |
| | | | Safeguards | | | | |
| | | | safe working distances | | | | |
| | | | equipment inspections | | | | |
| | | | safe working loads | | | | |
| | | | other | | | | |
| | | | | | | | |
| | | | Met ✓ Not Met X | | | | |
| | | | | | | | |
| | Explain the importance of | Three reasons | The importance of maintaining tools, equipment and | | | | |
| 3.4 | maintaining tools, | Three reasons | The importance of maintaining tools, equipment and PPE may include: | | | | |
| - | maintaining tools, equipment and personal | Three reasons | The importance of maintaining tools, equipment and PPE may include: operator safety | | | | |
| 3.4 3 | maintaining tools, | Three reasons | The importance of maintaining tools, equipment and PPE may include: operator safety ensuring equipment works when required | | | | |
| - | maintaining tools, equipment and personal | Three reasons | The importance of maintaining tools, equipment and PPE may include: operator safety ensuring equipment works when required reduces downtime | | | | |
| - | maintaining tools, equipment and personal | Three reasons | The importance of maintaining tools, equipment and PPE may include: operator safety ensuring equipment works when required reduces downtime reduces emissions and possible environmental | | | | |
| - | maintaining tools, equipment and personal | Three reasons | The importance of maintaining tools, equipment and PPE may include: operator safety ensuring equipment works when required reduces downtime reduces emissions and possible environmental damage | | | | |
| - | maintaining tools, equipment and personal | Three reasons | The importance of maintaining tools, equipment and PPE may include: operator safety ensuring equipment works when required reduces downtime reduces emissions and possible environmental | | | | |
| - | maintaining tools, equipment and personal | Three reasons | The importance of maintaining tools, equipment and PPE may include: operator safety ensuring equipment works when required reduces downtime reduces emissions and possible environmental damage other | | | | |
| - | maintaining tools, equipment and personal protective equipment | | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other <u>Met ✓ Not Met X</u> | | | | |
| 3 | maintaining tools, equipment and personal protective equipment | Three reasons Assessor to observe | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other | | | | |
| - | maintaining tools, equipment and personal protective equipment | | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other <u>Met ✓ Not Met X</u> • It is ensured that any possible environmental damage is minimised at all times during tree | | | | |
| 3 | maintaining tools, equipment and personal protective equipment | | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other <u>Met ✓ Not Met X</u> • It is ensured that any possible environmental damage is minimised at all times during tree felling activities | | | | |
| 3 | maintaining tools, equipment and personal protective equipment | | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other <u>Met ✓ Not Met X</u> • It is ensured that any possible environmental damage is minimised at all times during tree | | | | |
| 3 1.4 1 | maintaining tools, equipment and personal protective equipment Carry out work to minimise environmental damage | | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other <u>Met ✓ Not Met X</u> • It is ensured that any possible environmental damage is minimised at all times during tree felling activities | | | | |
| 3 | Maintaining tools, equipment and personal protective equipment Carry out work to minimise environmental damage Work in a way which maintains health and | Assessor to observe | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other | | | | |
| 3 1.4 1 | maintaining tools, equipment and personal protective equipment Carry out work to minimise environmental damage Work in a way which maintains health and safety and is consistent | Assessor to observe | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other | | | | |
| 3 1.4 1 | Maintaining tools, equipment and personal protective equipment Carry out work to minimise environmental damage Work in a way which maintains health and | Assessor to observe | The importance of maintaining tools, equipment and PPE may include: • operator safety • ensuring equipment works when required • reduces downtime • reduces emissions and possible environmental damage • other <u>Met ✓ Not Met X</u> • It is ensured that any possible environmental damage is minimised at all times during tree felling activities <u>Met ✓ Not Met X</u> • all activities must be completed in a way which | | | | |
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| 2.4 Carry out pre-start checks and setting of the chainsaw Assessor to observe Pre start checks and setting of the machine to module chain toxics and condition checked for sealing and statity features checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for condition and function : external nuts and botic checked for exemuting : chain terms and other operators in maintained : indude. 2.5 Demonstrate sele statting for use, it must not be used for the chainsaw suffic : genes are commended on the reprinters in maintained : control set as ecommended by the manufacturer's recommended by the manufacturer's recommended in : ensuring the tabase when engine runs : ensuring the chain base functions according to the manufacturer's recommended in site : specific risk seases when decks correctly : ensuring the chain base when the engine : ensuring the falling direction in relation to : in the total seases seasement are applied : specific risk seases ment are applied : ensuring the falling direction in relation to : ensuring the falling direction in relation to : in the totage are | CRITERIA | ASSESSMENT | ASSESSOR | ASSESSMENT | | | 1 | |
|--|----------|-----------------------------|---------------------------------|--|---|---|---|-------------|
| 2.4 and setting of the chainsaw chain tension and condition checked for safe and effective use. safely features checked for security. chainsaw contains sufficient fuel and chain oil for operations met ' Not Met X met ' not Met X | NUMBER | CRITERIA | | ACTIVITIES | Α | В | С | D |
| 2.5 Demonstrate safe stating of the chainsaw should include: Assessor to observe if any of the post start check in a subject on the safe starting procedure of a chainsaw should include: Image: the chainsaw should include: <td< td=""><td>2.4</td><td></td><td>Assessor to observe</td><td>• chain tension and condition checked for safe and</td><td></td><td></td><td></td><td></td></td<> | 2.4 | | Assessor to observe | • chain tension and condition checked for safe and | | | | |
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| 2.6 Pelling techniques should account for: Image: the failing methods and folling labels for two the specific techniques should account for: Image: the failing methods and folling labels for two the failing methods for two the specific techniques should account for: 2.6 2 Upright - minimum 2; Backward bering: Image: the failing methods and folling all employed labels for two the should account for: 4.8 Backward bering: Image: the failing methods and folling all employed labels for two the should account for: Image: the failing methods and folling all employed labels for a label should account for: 6.1 Backward bering: Hearing/weighted in the should account for: Image: the failing detection and proparation for should account for: 6.1 Backward bering: Hearing/weighted in the should account for: Image: the failing detection should account for: 6.1 Backward bering: Hearing/weighted in the should account for: Image: the should for should account for: 6.1 Describe table down methods for winches to a should account for: Image: the should for should account for: 6.2 Describe table down method for manual mechanical means Image: the should for: Image: the should for: 6.3 Describe table down employ the should for winches to assist with: Image: the should for: Image: the should for: 6.4 | | | ASSESSOR | ASSESSMENT | | 1 | | 1 |
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| aids felling methods for two for be- tiloxing two types. • selection and preparation of escape route(s) • a sink of the appropriate dimensions. • selection and preparation of escape route(s) • a sink of the appropriate dimensions. 2 • Upright - minimum 2 • Backward leaning - • minimum 1, maximum 2 • leaning/weighte in the nineded filling direction - -minimum 1, maximum 2 • a ling being reaction the selection and preparation of secupe route(s) • felling outbmack them are felling direction - minimum 1, maximum 2 • a ling being reaction the selection and preparation of secupe route(s) • felling outbmack them are felling direction - minimum 1, maximum 2 • a ling being reaction the selection - minimum 1, maximum 2 • a ling being routed the dimension and the selection - appropriate aid tools are used safely frequired to - hinge removal - pole/drag back - other 6.1 Describe take down methods for the take down aff - appropriate aid tools are used for manual methods for the take down aff - outer I I I I I I I I I I I I I I I I I I I | 2.6 | | demonstrate appropriate | | | | | |
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| bescribe have down of hung appropriate hand before a number of the task day and 20 - 29% the diameter of the texa felling aids engloyed using a safe and derive felling methods for a number of the task days and 20 - 29% the diameter of the texa felling aids engloyed using a safe and derive felling methods for a number of the task days and tas | 2 | | following tree types: | | | | | |
| 6.1 Describe take down methods Two methods Take down methods Image down methods 6.1 Describe take down methods Two methods Take down methods Image down methods 6.1 Describe take down methods Two methods Take down methods Image down methods 6.1 Describe take down methods Two methods Take down methods Image down methods 6.2 Describe take down methods Two methods Take down methods Image down methods Image down methods 6.2 Describe take down methods Two methods Take down methods Image down methods Image down methods 6.2 Describe take down methods Two methods Take down methods Image down methods Image down methods Image down methods 6.3 Met < Not Met X | - | | | should normally be at least 45° and 20 – 25% the | | | | |
| Heavily learning/weighted in the intended felling intendor | | | | | | | | |
| 6.1 Describe take down methods for areguined threes to be fields and to a result of a deguined metanicisms of a deguined metanicsm of a deguined d | | | Heavily | cut should not be more than 50mm above the | | | | |
| -minimum 1, maximum 2 -minimum 1, maximum 2 One free must be at least of maximum 2 One free must be at least of maximum 2 One free must be at least of maximum 2 One free must be at least of maximum 2 One free must be at least of maximum 2 Ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety once tree has failen 1 ste checked for safety onchecket 1 ste | | | | | | | _ | |
| 6.1 Describe take down methods for sampe of the size of | | | 0 | | | | | |
| solomniz22.57 justion begins to fail | | | | fell tree | | | | |
| stump height left appropriate to site specification stump height left appropriate to site specification stump height left appropriate to site specification work v Not Met X Take down methods may include: hand tools Take down methods may include: hings removal – pole/drag back other methods for a range of tree sizes using appropriate hand tools the v Not Met X the volume to the vector vectors many also include the use of: methods for trees using used to roll the tree turning strap used to roll the tree the volling/turning | | | 560mm(22.5") plus in | begins to fall | | | | |
| 6.1 Describe take down methods for a range of tree shand loots Two methods Take down methods may include: Image: the inclusion of the trees is to be felled 6.1 Describe take down methods for a range of tree shand loots Two methods Take down methods may include: Image: the inclusion of the trees hand loots Image: the inclusion of the inclusion of the tree hand loots Image: the inclusion of the inclusion of the tree hand loots Image: the inclusion of the inclusion of the tree hand loots Image: the inclusion of the inclusion of the tree image also include the use of image: the inclusion of the tree image also include the use of image: the inclusion of the tree image also include the use of image: the inclusion of the tree image also include the use of image: the inclusion of the tree image also include the use of image: the inclusion of the tree image also include the use of image: the inclusion of the tree image also include the use of image: the inclusion of the incluse inclusion inclusion of the inclusion of the inclusio | | | diameter | | | | | |
| 6.1 Describe take down methods for range of tree stree using appropriate hand tools Image reduction - roll out in thing removal - pole/drag back in thing removal - pole/drag back in the service of the reasonable of the service and paper of the service and paper of the service and paper of the service and the service of the reasonable of the service of the removal - pole/drag back in the service and | | | | stump height left appropriate to site specification | | | | |
| 6.1 methods for a range of tree, hand tools hinge reduction - oft out hinge reduction - oft out | | | | Met ✓ Not Met X | | | | |
| sizes using appropriate Image neuroscient of the set up for the take down methods 6.2 Describe take down methods for trees using whiches or other manual or method for trees using whiches or other manual or method for whiches to a sist which are other manual or method for whiches to a sist which are other manual or method for whiches to a sist which are other manual or assist which are other manual or other manual or method for whiches to assist which are other manual or other manual or method for whiches to assist which are other manual or other manual or other manual or method for whiches to assist which are other manual or other manual or other manual or other manual or method for whiches to assist which are other o | | | Two methods | 3 | | | | |
| 6 hand tools • hinge removal - poledrag back • hinge removal - poledrag back 6.2 Describe take down methods for trees using winches or other manual means • following hinge reduction/removal takedown methods may also include the use of: • methods for trees using winches 6 One method for winches to assist • Ionger felling lever used to roll the tree • Ionger felling lever used to roll the tree • Ionger felling lever used to roll the tree 6 One method for winches to assist with: • other • other 0 methods for mechanical assistance • other • other 6 One method for mechanical assistance • other • other 6.3 Describe how to set up a winch for the take down of hing up trees All required Winch set up for the take down of nucle assistance: • other 6 Explain the factors to consider and additional assistance select and position when using winches Seven required, first five are to consider should include: • consoler should in | 6.1 | | | 5 | | | | |
| 6.2 Describe take down methods for trees using winches or other manual or methods for trees using winches Following hinge reduction/removal takedown methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down methods may also include the use of: Image: Comparison of the take down of hung up trees Image: Comparison of the take down of the take | • | | | hinge removal – pole/drag back | | | | |
| 6.2 Describe take down methods for trees using winches or other manual means One method for manual means Following hinge reduction/removal takedown methods may also include the use of: 6 One method for manual means One method for manual means Manual means: Image: Comparison of the take of th | 6 | | | • other | | | | |
| 6.2 methods for trees using winches or other manual means may also include the use of: Manual means: Manual means: <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<> | | | | | | | | |
| 6 winches or other manual means One method for manual means: Image: Image | 62 | | | | | | | |
| 6 means means 6 interview interview 0 interview interview 0 other inter | 0.2 | winches or other manual or | | | | | | |
| 6.3 Describe how to set up a winch for the take down of the take down of the take down of hung up trees All required Winch set up for the take down of hung up trees All required, first five are to be stated • reconsider and additional safety precautions to consider should include: ocanally of the winch set of the winch or points of the stated • required, first five are to be stated • required, first five are to be stated • required for winches to a set of the winch or points of the winch or points of the winch or points of the set of the winch or points of the set of the winch or points of the set of the winch or points of the stated of the winch or points of the set of the winch or points of the winch or points of the winch or points of the set of the winch or points of the | 6 | mechanical means | | | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winches to assist with: other othe stated other other othe stated other | Ū | | means | | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winches to assist with: pulling/dragging other other other other generation of the take down of hung up trees All required Winch set up for the take down of hung up trees Seven required, first five are safety precautions when using winches All required Vinch set up for the winch set op and additional safety precautions when using winches 6.4 Explain the factors to consider and additional using winches Seven required, first five are using winches Factors and Precautions to consider should include: Image: table of the winch set o | | | | | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of hung up trees All required Winch set up for the take down of hung up trees Image: Comparison of the security of the winch security of another points is serviceability and inspection of all components is is existed in the factors is computed for the stated in the factors of the security of another points is computed for winching operators is completency of operators is complet | | | | • other | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of hung up trees All required Winch set up for the take down of hung up trees Image: Consider and additional safety precautions twen using winches Seven required, first five are to be stated Factors and Precautions to consider should include: Image: Consumer constraints and the stated of the sta | | | One method for winches to | Winches to assist with: | | | | |
| 6.3 Describe how to set up a winch for the take down of thung up trees All required Winch set up for the take down of hung up trees All required Winch set up for the take down of trees may include: Image: Consider and additional safety precautions to consider should include: Image: Consider and additional safety precautions when using winches Seven required, first five are to be stated Factors and Precautions to consider should include: Image: Consider and additional safety precautions when using winches Image: Consider and additional safety precautions when using winches Image: Consider and additional safety precautions when using winches Seven required, first five are to be stated Factors and Precautions to consider should include: Image: Consider and additional safety precautions when using winches Image: Consider and additional safety precautions when using winches Image: Constitut and inspection of all components is trength loss of equipment in cetain configurations Image: Constitut and inspection of all components Image: Constitut and inspection of all compo | | | assist | pulling/dragging | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of trees may include: Image: Consider and additional safety precautions when using winches Seven required, first five are using winches Factors and Precautions when using winches Seven required, first five are quipment in certain configurations Factors and Precautions to consider should include: Image: Construct of the take down of the should include: Image: Construct of the take down of | | | | rolling/turning | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of trees may include: I | | | | • other | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of trees may include: | | | One method for mechanical | Mechanical assistance: | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of trees may include: | | | assistance | forwarder/harvester | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of trees may include: I | | | | • skidder | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of trees may include: Image: Comparison of hung up trees 6 Image: Comparison of hung up trees 6 Image: Comparison of hung up trees < | | | | • other | | | | |
| 6.3 Describe how to set up a winch for the take down of hung up trees All required Winch set up for the take down of trees may include: Image: Comparison of hung up trees 6 Image: Comparison of hung up trees 6 Image: Comparison of hung up trees < | | | | | | | | |
| 6.3 winch for the take down of hung up trees remove debris and obstacles from take down route prepare new escape routes as appropriate select and position winch equipment as required met ✓ Not Met X met ✓ Not Met ✓ Not Met X < | | Describe how to set up a | All required | | | | | |
| 6 prepare new escape routes as appropriate prepare new escape routes as appropriate select and position winch equipment as required met ✓ Not Met X <li< th=""><th>6.3</th><th>winch for the take down of</th><th></th><th>remove debris and obstacles from take down</th><th></th><th></th><th></th><th></th></li<> | 6.3 | winch for the take down of | | remove debris and obstacles from take down | | | | |
| 6.4 Explain the factors to consider and additional safety precautions when using winches Seven required, first five are to be stated Factors and Precautions to consider should include: | 6 | | | | | | | |
| Met ✓ Not Met X Image: Construct of Consider and additional safety precautions when using winches Seven required, first five are to be stated Factors and Precautions to consider should include: Image: Construct of Construct o | O | | | head and a second se | | | | |
| 6.4 Explain the factors to consider and additional safety precautions when using winches Seven required, first five are to be stated Factors and Precautions to consider should include: Image: Comparison of the winch 6 Compatibility of the winch Image: Compatibility of the winch Image: Compatibility of the winch Image: Compatibility of the winch 6 Compatibility of anchor points Image: Compatibility of components/strength loss of equipment in certain configurations Image: Compatibility and inspection of all components 6 PPE required for winching operations Image: Compatibilities understood by all parties Image: Compatibilities understood by all parties 6 Image: Compatibility distances Image: Compatibility distances Image: Compatibility distances | | | | | | | | |
| 6.4 consider and additional safety precautions when using winches to be stated capacity of the winch communication method between operators security of anchor points compatibility of components/strength loss of equipment in certain configurations serviceability and inspection of all components pPPE required for winching operations competency of operators competency of operators danger zones including during off-set winching safe working distances | | Explain the factors to | Seven required first five are | | \vdash | | | |
| 6 safety precautions when using winches communication method between operators communication method between operators security of anchor points compatibility of components/strength loss of equipment in certain configurations serviceability and inspection of all components PPE required for winching operations competency of operators roles and responsibilities understood by all parties danger zones including during off-set winching safe working distances compatibility of anchor points compatibility of components/strength loss of equipment in certain configurations serviceability and inspection of all components competency of operators competency of operators competency of operators compatibilities understood by all parties compatibilities understood by all parties compa | 6.4 | | | | | | | |
| 6 using winches • security of anchor points • compatibility of components/strength loss of equipment in certain configurations • serviceability and inspection of all components • PPE required for winching operations • competency of operators • roles and responsibilities understood by all parties • danger zones including during off-set winching • safe working distances • safe working distances | | , | | | | | | |
| compatibility of components/strength loss of equipment in certain configurations serviceability and inspection of all components PPE required for winching operations competency of operators roles and responsibilities understood by all parties danger zones including during off-set winching safe working distances | 6 | using winches | | | | | | |
| serviceability and inspection of all components PPE required for winching operations Competency of operators <l< td=""><th>•</th><td></td><td></td><td>compatibility of components/strength loss of</td><td></td><td></td><td></td><td></td></l<> | • | | | compatibility of components/strength loss of | | | | |
| PPE required for winching operations Competency of operators Competency of operator | | | | | | | | |
| competency of operators roles and responsibilities understood by all parties danger zones including during off-set winching safe working distances I | | | | | | | | |
| roles and responsibilities understood by all parties danger zones including during off-set winching safe working distances □ | | | | | | | | |
| danger zones including during off-set winching safe working distances | | | | | | | | |
| safe working distances | | | | | | | | |
| Met ✓ Not Met X | | | | safe working distances | | | | |
| | | | | Met ✔ Not Met X | | | | |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | C | AND B | | TE |
|--------------------|---|---|---|-----|----------|---|----|
| NUMBER | Select take down method | Candidate to choose take | Take down methods may include: | A | В | C | |
| 2.9 | which is relevant to the | down method | hinge reduction - roll out | | | | |
| | hung-up tree size, form | | hinge removal – drag back | | | | |
| 2 | and condition | | C C | | | | |
| 2 | | | • other | | | | |
| | | | Met ✓ Not Met | x 🗆 | | | |
| | Explain where the danger | State all | Danger areas in relation to hung up trees include: | | | | |
| 6.5 | areas are in relation to the | | directly under a hung up tree | | | | |
| | trees being taken down | | directly behind a hung up tree | | | | |
| 6 | | | recognised danger areas involved with winchin | | | | |
| | | | Met ✓ Not Met | x | | | |
| 0.40 | Take down hung up tree(s) | Take down hung up trees must include use of an | The take down of hung up trees using an appropriate winch should include: | | | | |
| 2.10 | using tools or equipment appropriate to the tree | appropriate winch | | | | | |
| 2 | size, condition and take | | assessing the position of tree and checking the condition of the hinge | | | | |
| L | down methods | | removal of debris and obstacles from take down | | _ | | |
| | | | route | | | | |
| | | | deciding on the final felling direction | | | | |
| | | | preparing new escape routes as appropriate | | | | |
| | | | selecting and positioning aid tools as required | | | | |
| | | | ensuring no unauthorised person(s) are within t | | | | |
| | | | tree lengths or directly below on steep slopes | | | | |
| | | | correct operator stance and safe position | | | | |
| | | | appropriate position and angle of cuts using a | | | | |
| | | | cutting technique for the removal of an | _ | | | |
| | | | appropriate part of the hinge | | | | |
| | | | safe withdrawal of the saw | | | | |
| | | | leaving approximately 10% -20% of hinge to support the tree on each/either side appropriate | to | | | |
| | | | take down method utilised | | | | |
| | | | supporting remnants of hinge is taken off with e small angled cuts from side of tree | - | | | |
| | | | safe placement of the saw on completion of cut | | | | |
| | | | Winch is setup taking into consideration: | | | | |
| | | | appropriate PPE used | | | | |
| | | | position and anchorage of winch | | | | |
| | | | danger zones and safe working distances | | | | |
| | | | • offset system used with e.g. a snatch block on | | | | |
| | | | steep slopes or around obstacles when appropriate | | | | |
| | | | position of winch operator | | | | |
| | | | position of the strop on the butt | | | | |
| | | | attachment of winch cable to strop | | | | |
| | | | communication with winch operator is clearly | | | | |
| | | | established (if applicable) | | | | Ľ |
| | | | Winch is operated during which the following is taker into account: | | | | |
| | | | winch operator remains under direct control of abeingous operator where opplicable | _ | | | _ |
| | | | chainsaw operator where applicable winch operator observant of tree movements | | | | |
| | | | | | | | |
| | | | repositioning of the strop at the butt or repositioning of the anchor as appropriate | | | | |
| | | | use of escape route(s) if applicable | | | | |
| | | | • tree is winched until in a stable condition to be | | 1 | | |
| | | | processed | | | | [|
| | | | winch handle released or controlled as tree falls | | | | |
| | | | winch handle released or controlled as tree falls applicable | | | | |
| | | | applicableupon completion strops are removed, checked | | | | [|
| | | | applicable | | | | [|

| CRITERIA | ASSESSMENT | ASSESSOR | ASSESSMENT | C | AND | | TE |
|------------|---|--|---|---|-----|---|----|
| NUMBER | CRITERIA | GUIDANCE | ACTIVITIES | Α | В | С | D |
| 5.1 | Describe how the method of removing branches will vary with tree species, | | The method of branch removal may vary owing to tree species, branch form and pattern: | | | | |
| 5 | form and condition | One Conifer | Conifer branch removal may include: | | | | |
| Ũ | | | lever method | | | | |
| | | | pendulum method | | | | |
| | | | • other | | | | |
| | | One Broadleaved | Broadleaf branch removal may include: | | | | |
| | | | lever method | | | | |
| | | | pendulum method | | | | |
| | | | • de-limb | | | | |
| | | | Met ✓ Not Met X | | | | |
| 5.2 | Describe how to identify tension and compression | Candidate to describe | Identification of tension and compression in branches may be completed: | | | | |
| | in branches | | • visually | | | | |
| 5 | | | manually | | | | |
| | | | Met ✓ Not Met X | | | | |
| 5.3 | Outline the implications on choice of severing method | State two | The implications from choice of branch severing method may include: | | | | |
| | | | the saw may become trapped | | | | |
| 5 | | | timber may break or split | | | | |
| | | | timber may move suddenly or unexpectedly | | | | |
| | | | • other | | | | |
| | | | Met ✓ Not Met X | | | | |
| 5.5 | Describe process for removing branches above | One technique | Removal of branches above shoulder height may include: | | | | |
| 5 | shoulder height | | felling/removal of branch to bring it to a lower working height | | | | |
| 5 | | | rolling of the stem to allow for a safer working height | | | | |
| | | | Met ✓ Not Met X | | | | |
| 5 4 | State how and when to use | State one | Equipment used to assist may include: | | | | |
| 5.4 | equipment to assist with the snedding/de-limbing of | | winch used to restrain timber if it could role towards operator | | | | |
| F | trees | | | | | | |
| 5 | | | felling aid used to turn stem to aid subsequent snedding/de-limbing | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Remove branches from | Any safe and effective | Branch removal techniques should account for: | | | | |
| 2.7 | felled trees using a | method in line with current | • correct stance and support of the saw on tree or | | | | |
| | recognised method | good practice guidelines is acceptable. | right leg | | | | |
| 2 | | acceptable. | left thumb around the front handle | | | | |
| | | All felled trees must have all | • neither handle released while the chain is moving | | | | |
| | | branches removed flush with | apply chain brake if reaching across bar | | | | |
| | | the stem | apply chain brake when negotiating obstacles | | | | |
| | | | not walking when the saw is on the same side of the tree as the operator without applying the | | | | |
| | | | chainbrake | | | | |
| | | | avoid working on lower side of tree on side slopes | | | | |
| | | | operator not reaching too far round with saw on far side of tree | | | | |
| | | | operator's not cutting towards legs or body | | | | |
| | | | avoiding the use of the tip of guidebar | | | | |
| | | | avoiding overreaching with chainsaw | | | | |
| | | | not straddling the stem | | | | |
| | | | compression and tension forces assessed and appropriate cuts used | | | | |
| | | | using an under-sweep technique if applicable | | | | |
| | | | aong an andor-sweep teennique il applicable | | | | |
| | | | winch used to restrain timber if it could roll | | | | |

| CRITERIA | ASSESSMENT | ASSESSOR | ASSESSMENT | | | 1 | |
|-------------|--|----------------------------|---|---|---|---|---|
| NUMBER | CRITERIA | GUIDANCE | ACTIVITIES Choice of work method should account for: | Α | В | С | D |
| Cont | | | a systematic sequence of cuts and position of the saw to remove branches as appropriate for the | | | | |
| 2.7 | | | branching habit | | | | |
| 2 | | | the top cut at an appropriate diameter top removed with a cofe method of sutting | | | | |
| - | | | top removed with a safe method of cutting | | | | |
| | | | Met ✓ Not Met X | | | | |
| 2.8 | Turn tree and remove under branches using appropriate aid tools and | | Tree turned and under branches removed taking account of: • the stem turned using appropriate aid tools/ | | | | |
| 2 | method(s) where | | techniques | | | | |
| - | appropriate | | using the stem for protection when removing remaining branches as appropriate | | | | |
| | | | • using a safe and effective method to sever remaining branches | | | | |
| | | | all branches being removed flush with the stem | | | | |
| | | | Met ✓ Not Met X | | | | |
| 5.6 | Explain the advantages of leaving a clean stem after snedding/de-limbing | Three advantages | Advantages of a clean stem may include: • reducing possible injury to the person moving the | | | | |
| 5 | chousing, ac infining | | timber reduce friction/collecting debris when pulling timber along the ground | | | | |
| | | | prevent damage to other trees when extracting timber | | | | |
| | | | allowing timber to easily enter machines (e.g. chipper, peeler or saw bench) | | | | |
| | | easier stacking or loading | | | | | |
| | | | Met ✓ Not Met X | | | | |
| | State how and when to | Two how | How to deal with branches: | | | | T |
| 5.7 | deal with severed branches | | left where it lands | | | | C |
| 5 | | | brash piling or stacking | | | | |
| 5 | | | further processed e.g. mulching, baling, chipping other | | | | |
| | | Two when | When to deal with branches: severed branches/limbs may be left in a work | | | | |
| | | | area to form a brash mat or similarsevered branches/limbs may be dealt during the | | | | |
| | | | work process using a cut and clear method to maintain escape routes | | | | |
| | | | • other | | | | |
| | | | | | | | |
| | | | Met ✓ Not Met X | | | | |
| 5.8 | State how to deal with brash and branches after | Three ways | brash may be dealt with in the following ways: | 1 | | | |
| J. 0 | snedding/de-limbing | | left where it lands brash piling or stacking | | | | |
| 5 | | | windrowing | | | | |
| • | | | further processed e.g. mulching, baling, chipping | | | | |
| | | | • burning | | | | |
| | | | Met ✓ Not Met X | | | | |
| | Cross-cut timber to length | A reduction cut must be | Crosscutting of timber to length should include: | | | | ╞ |
| 2.11 | in accordance with the | demonstrated | ensuring appropriate safe working distances from | 1 | | | |
| | specification | | both fuel and other operators is maintained | | | | [|
| 2 | | | correct use of PPE | | | | |
| | | | • timber is in a safe and appropriate position | | | | |
| | | | safe starting procedure adopted safe stance adopted including: | | | | |
| | | | safe stance adopted including: legs and feet are clear of the chain | | | | |
| | | | chainsaw is stable/secure/supported during | | | | ' |
| Continued | | | crosscutting | | | | [|
| | | 1 | minimal risk of muscular/skeletal injury | | | | |

| CRITERIA | ASSESSMENT | ASSESSOR | | ASSESSMENT | С | AND | | TE |
|----------|--|-----------------------------|-----|---|-----|-----|---|-----|
| NUMBER | CRITERIA | GUIDANCE | | ACTIVITIES | Α | В | С | D |
| Cont | | | ٠ | bar aligned to maintain accuracy | | | | |
| Cont | | | • | head out of line of chain | | | | |
| 2.11 | | | • | use of throttle to cut safely and efficiently | | | | |
| | | | • | cutting techniques employed to complete severance of timber | | | | |
| 2 | | | • | appropriate boring technique used if applicable | | | | |
| | | | • | sequence of cuts undertaken to prevent saw | | | | |
| | | | | becoming trapped | | | | |
| | | | • | appropriate aids used for lifting, rolling or levering if applicable | | | | |
| | | | • | accuracy of measurement within site specification and reasonable tolerances | | | | |
| | | | • | tension and compression cuts should meet | | | | |
| | | | • | chain brake used appropriately | | | | |
| | | | • | saw switched off and left in safe position, bar cover replaced if appropriate | | | | |
| | | | | | | | | |
| | Stack produce for | In accordance with the site | Sta | Met ✓ Not Met X cking of timber should take into account: | | | | |
| 2.12 | subsequent operations | requirements | • | site specification/requirements | | | | _ |
| | using appropriate aids and | | • | use of appropriate aids to handle / move products | | | | |
| 2 | tools | | • | correct stance during lifting | | | | |
| - | | | • | avoiding excessive lifting by levering, sliding, | | | | |
| | | | • | rolling | | | | |
| | | | • | quality of stacking must be to an agreed job | | | | |
| | | | | specification | | | | |
| | | | • | tidy stacking of timber | | | | |
| | | | • | osition of stack appropriate to method of extraction | | | | |
| | | | • | manually constructed stacks are limited to 1 metre | | _ | | |
| | | | | high Met ✓ Not Met X | | | | |
| | Check timber is in an | | | | | | | |
| 2.13 | appropriate and safe | | • | timber should be left in a safe, stable condition and appropriate position | | | | |
| 2 | | | | Met ✓ Not Met X | | | | |
| | Clean and tidy working | | Ac | lean and tidy working area should be left ensuring: | | | | |
| 2.14 | area | | • | no branches are left on fences, paths, roads, timbe stacks, young trees etc or in ditches, ponds, | r | | | |
| 2 | | | | waterways etc | | | | |
| | | | • | brash left as per site specification | | | | |
| | | | | Met ✓ Not Met X | | | | |
| | Explain the correct and appropriate methods for | | | posal of waste from workplace activities may ude: | | | | |
| 3.6 | | 1 | • | use of designated waste/recycle bins | | | | |
| 3.6 | disposing of waste | | - | - / | . — | | | |
| | disposing of waste | | • | empty containers removed from site e.g. oil | | | | 1 7 |
| 3.6 3 | disposing of waste | | | empty containers removed from site e.g. oil litter taken home with operators | | | | |
| | disposing of waste | | • | | | | | |
| | disposing of waste | | • | litter taken home with operators | | | | |
| 3 | Dispose of waste safely in | Assessor to observe | • | litter taken home with operators other | | | | |
| | | Assessor to observe | • | litter taken home with operators other | | | | |

| Candidate A | Candidate has met all of the assessment criteria | Tick ✓ | The Candidate has not met all of the assessment criteria; (<i>state reason(s))</i> | Tick ✓ | | | | | | |
|--|--|-----------|---|-----------|--|--|--|--|--|--|
| | Signed: Date: | | | | | | | | | |
| Candidate B | Candidate has met all of the assessment criteria | Tick ✓ | The Candidate has not met all of the assessment criteria; (<i>state reason(s)</i>) | Tick ✓ | | | | | | |
| | Signed: Date: | | | | | | | | | |
| Candidate C | Candidate has met all of the assessment criteria | Tick ✓ | The Candidate has not met all of the assessment criteria; (<i>state reason(s))</i> | Tick ✓ | | | | | | |
| | Signed: Date: | | | | | | | | | |
| Candidate D | Candidate has met all of the assessment criteria | Tick ✓ | The Candidate has not met all of the assessment criteria; (<i>state reason(s)</i>) | Tick ✓ | | | | | | |
| | Signed: Date: | | | | | | | | | |
| For use by Internal Verifier ONLY if the assessment process was internally verified (Internal Verifier to complete ONE of the boxes below) | | | | | | | | | | |
| l ob and | I observed an assessment process taking place and I am satisfied that the assessment was conducted in line with the qualification requirements and that the judgement of the Assessor was appropriate. | | | | | | | | | |
| I observed an assessment process taking place. The following were noted as areas of concern. | | | | | | | | | | |
| Sig | Signed: Date: | | | | | | | | | |