# CITY & GUILDS NPTC LEVEL 2 AWARD IN CHAINSAW MAINTENANCE



# QAN 600/6160/1

# **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 0	Forestry & Arboriculture Level 2
Qualification Programme No	0 0 2 0 - 0 9	Award in Chainsaw Maintenance
Unit	2 0 1	Carry out maintenance of a chainsaw and cutting system
Guided Learning Hours (GLH)	2 0 1	GLH 15 (Credit Value 2)
Total Qualification Time		20 Hours
Recommended Assessment Duration		1.5 – 2 hours per Candidate

Version and date	Change detail	Section
1.2 November 2017	Added TQT details	Qualification at a glance, Structure Throughout

### City and Guilds Level 2 Award in Chainsaw Maintenance

### 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.

#### **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.

#### Instruction

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.

#### 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:

3. 4.

5.

Unit 201

Carry out maintenance of a chainsaw and cutting system

- Outcomes Be able to work safely (1) (Criteria 1.1 - 1.5) 1.
- 2. Be able to carry out maintenance of chainsaw and cutting system (2) (Criteria 2.1 - 2.6)
  - Be able to carry out operational chainsaw checks (3) (Criteria 3.1 3.3)

  - Know relevant health and safety legislation and industry good practice (4) (Criteria 4.1 4.5) Know how to carry out maintenance of chainsaw and cutting system (5) (Criteria 5.1 - 5.7)

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. After assessment has been completed the Qualification Guidance document is to be retained by the assessor and provided if required by a Quality Systems consultant (QSC).

#### 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 and Site Requirements:

- The assessment for this award should ideally be undertaken under workshop conditions. Maintenance of the saw can be completed at the work site, if the saw can be held securely for sharpening and the assessment can be conducted effectively without compromising other site work activities.
- The candidate should be equipped with a chainsaw appropriate to their normal working environment in good condition with a maximum recommended guidebar length of 380mm (15").
- The candidate should be equipped with the correct tools, equipment, product and maintenance manuals appropriate to the model of the saw to enable the chainsaw to be maintained and used in accordance with the manufacturer's guidance.
- Maintenance sections of the assessment can be completed on components from other machinery if required.
- Sufficient working space must be provided to each learner to allow the assessment to be conducted effectively without comprising other work site or assessment activities.
- Assessors should complete a pre-use inspection of all work equipment intended to be used during the course of the assessment. Ensuring
  equipment meets the requirements of suitability in terms of size, condition, safety features etc.
- The candidate should be equipped with sufficient fuel and oil, appropriate to the make and model of the chainsaw.
- Warning signs must be erected as appropriate to risk assessment.
- Open outdoor area to allow the safe fuelling, starting and operational checks of machinery to be undertaken in accordance with industry good practice.

#### **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. 1. 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	A Name:		Date		Start Time:	Dura	atior	<b>1</b> :		
Candidate	B Name:		Date		Start Time:	Dura	atior	n:		
Candidate	C Name:		Date	:	Start Time:	Dura	atior	n:		
Candidate	D Name:		Date		Start Time:	Dura	atior	n:		
CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C. A	AND B	IDA <sup>.</sup> C	TE D
1.1 1	Identify the hazards and risks associated with the working area and the proposed work	Three hazards and risks w the working area Three hazards and risks w	h re	arm) and risks (who elevant to:	hing with the potential to can might be harmed and how),					
·	(RISK ASSESSMENT)	the proposed work	•		Met√ Not M					
4.1 4	Outline key health and safety legislation and industry good practice (LEGISLATION)	<b>Two</b> points from Health and Safety at Work Act 1974	g	ood practice listed b lealth and Safety at general duties fo maintain safe pla	Work Act (HSWA): or employers and employees					
		Provision and Use of Work Equipment Regulations 19 (PUWER 98)		PUWER): operators adequ	•	IS				
		<b>One</b> point Arboriculture Forestry Advisory Group (AFAG)		formation:	v Advisory Group (AFAG) Istrial good practice					
					Met ✓ Not M					
4.2 4	Outline the emergency procedures relevant to the working area (EMERGENCY PROCEDURES)	State <b>five</b>		nclude: location name grid reference designated mee site location nam nearest access p street name/dist	ne pooint rict public road/light vehicles, fou					
			•	hospital and pho works manager	est accident and emergency ine number contact details t number/mobile number					
1.3	Work in a way which maintains health and	Assessor to observe	•		Met ✓ Not M t be completed in a way whi rator and those around him	ch				
1	safety and is consistent with relevant legislation and industry good practice				Met ✓ Not M	Met X				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA	ΓE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
1.4	Carry out work to minimise environmental damage	Assessor to observe	<ul> <li>It is ensured that any possible environmental damage is minimised at all times during chainsaw maintenance activities</li> </ul>				
1	(ENVIRONMENTAL AWARENESS)		Met ✓ Not Met X				
4.0	Use appropriate tools,	Assessor to observe and risk	all tools, equipment and Personal Protective				
1.2	equipment and personal protective equipment	assess	Equipment is used in line with industry good practice e.g. AFAG/INDG				
1	(PPE)		Met ✓ Not Met X				
	(TOOLS, EQUIPMENT & PPE)						
	Explain why it is important	One reason	The importance of maintaining chainsaws to				
5.6	to maintain chainsaws to manufacturer's		<ul> <li>manufacturers recommendations may include:</li> <li>safe to use</li> </ul>				
5	recommendations		<ul> <li>reduces machinery repair downtime</li> </ul>				
Ŭ	(MANUFACTURERS		• other				
	RECOMMENDATIONS)						
	Explain the function (s) of	State <b>all</b>	Met ✓ Not Met X Explain the function of all chainsaw safety features:				
5.1	all the safety features	State all	<ul> <li>on/off switch – stops engine</li> </ul>				
	(EXPLAIN SAFETY		<ul> <li>combined chain brake and front hand guard –</li> </ul>				
5	FEATURES)		stops the chain rotating and protects the hand				
			exhaust - directing away from the operator				
			<ul> <li>rear chain breakage guard – protects the rear hand</li> </ul>				
			• chain with low- kickback characteristics – reduces				
			kickback				
			<ul> <li>anti-vibration mounts – reduces vibration</li> <li>throttle trigger lockout – stops accidental throttle</li> </ul>				
			operation				
			<ul> <li>guide bar cover – protects and covers</li> </ul>				
			chain catcher – catches a derailed chain				
			<ul> <li>hand/eye/ear defender symbols – provides mandatory information</li> </ul>				
			Met ✓ Not Met X				
2.1	Check all safety features on the chainsaw are	Assessor to observe	All safety features are present and not damaged in line with HSE Chainsaws at Work INDG317:				
	present and not damaged		on/off switch				
2	(IDENTIFY SAFETY		<ul> <li>combined chain brake and front hand guard</li> <li>avelocity (direction guard) from the generator)</li> </ul>				
	FEATURES)		<ul> <li>exhaust (directing away from the operator)</li> <li>rear chain breakage guard</li> </ul>				
			<ul> <li>chain with low- kickback characteristics</li> </ul>				
			anti-vibration mounts				
			throttle trigger lockout				
			• guide bar cover				
			<ul> <li>chain catcher</li> <li>safety decals, hand/eye/ear defender symbols</li> </ul>				
			Met ✓ Not Met X				
	State steps to be taken	Two responses	Steps to take when a chainsaw is not repairable, faulty				
5.7	when a chainsaw is not	1 wo responses	or non-operational may include:				
	repairable, faulty or non- operational		<ul> <li>labelling of the chainsaw and removing from</li> </ul>				_
5	•		service     operator maintenance				
	(FAULTY CHAINSAW)		<ul> <li>arranging for repair of the chainsaw</li> </ul>				
			Met ✓ Not Met X				
	Select appropriate	Assessor to observe	appropriate tools for the maintenance of both the				
2.2	maintenance tools for the		chainsaw power unit and guidebar/chain are				
	power unit and cutting systems in accordance		selected				
2	with operators handbook		Met ✓ Not Met X				
	(SELECT TOOLS)						

		ASSESSOR	ASSESSMENT	-		IDA	
NUMBER	CRITERIA Explain the function and	GUIDANCE All aspects explained	ACTIVITIES	Α	В	С	D
5.2 5	maintenance requirements of individual components • spark plug • air filter • chainbrake	colour of spark plug deposits is to be mentioned	<ul> <li>Spark plug:</li> <li>provides ignition, maintenance may include inspection, cleaning and checking of electrode gap. Comment made upon colour of spark plug deposits</li> </ul>				
	<ul> <li>cooling system</li> <li>exhaust system</li> <li>clutch/drive system</li> <li>sprocket</li> <li>starter mechanism</li> <li>greasing/lubrication</li> </ul>		<ul> <li>Air filter:</li> <li>prevents debris entering the carburettor and helps maintain the correct air/fuel ratio, maintenance may include inspection and thorough cleaning</li> </ul>				
	<ul> <li>guide bar</li> <li>chain</li> <li>fuel and oil filters</li> <li>(EXPLAIN MAINTENANCE)</li> </ul>		<ul> <li>Chainbrake:</li> <li>stops the chain, maintenance may include inspection of the chainbrake system, cleaning or replacement</li> </ul>				
			<ul> <li>Cooling system:</li> <li>keeps the engine cool and prevents the engine from overheating. Maintenance may include inspection, and cleaning</li> </ul>				
			<ul> <li>Exhaust system:</li> <li>directs fumes away from the operator, maintenance may include inspection, security of nuts/bolts and removal of residue</li> </ul>				
			<ul> <li>Clutch/drive system:</li> <li>provides drive to the chain; maintenance may include inspection, cleaning and removal of the clutch</li> </ul>				
			<ul> <li>Sprocket:</li> <li>drives/pushes the chain along the guidebar, maintenance may include inspection and replacement due to wear exceeding manufacturers tolerances</li> </ul>				
			<ul> <li>Starter mechanism:</li> <li>engages the flywheel, maintenance may include cleaning, inspection</li> </ul>				
			Greasing/lubrication: • may help prevent excessive wear of components				
			<ul> <li>Guidebar:</li> <li>carries the chain; maintenance may include inspection, general upkeep, cleaning or replacement</li> </ul>				
			<ul> <li>Chain:</li> <li>carries the cutting components; maintenance may include inspection and sharpening</li> </ul>				
			<ul> <li>Fuel and oil filters:</li> <li>prevent debris entering engine components, maintenance may include cleaning as appropriate or replacement</li> </ul>				
			Met ✓ Not Met X				
2.3 2	Maintain power unit in accordance with operators handbook using appropriate tools (MAINTAIN POWER UNIT)	The candidate is to be questioned about sprocket/clutch removal along with oil and fuel filter maintenance rather than actually perform the replacement	<ul> <li>Spark plug:</li> <li>engine cover and spark plug removed</li> <li>plug cleaned or replaced as necessary</li> <li>wear/damage assessed</li> <li>gap size checked and set if necessary</li> </ul>				
			<ul> <li>Air filter:</li> <li>excess debris removed from around filter prior to removal</li> <li>filter removed, protecting carburettor</li> <li>filter inspected maintained and cleaned</li> </ul>				
Continued			<ul> <li>filter inspected maintained and cleaned appropriate to condition</li> <li>filter refitted correctly</li> </ul>				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT				1
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Cont			<ul> <li>Chainbrake:</li> <li>clear debris from chain brake mechanism /clutch housing</li> </ul>				
2.3			<ul> <li>chain brake band checked for wear</li> </ul>				
2			Cooling system:				
			remove covers where appropriate and remove excess debris from fins and cylinder				
			Exhaust system:	_			
			check all nuts and bolts for security				
			remove excess residue from the silencer				
			Clutch/drive system Inboard clutch:				
			remove retaining clip				[
			<ul> <li>dismantle sprocket assembly</li> <li>sprocket checked for wear and condition</li> </ul>				[
			<ul> <li>sprocket checked for wear and condition</li> <li>clean crankshaft stub and grease needle cage</li> </ul>				[
			where appropriate				
			• re-assemble				
			Outboard clutch:				
			if appropriate piston locked as per manufactures guidance				
			unscrew clutch weights according to manufacturers guidance				
			clean crankshaft stub and grease needle cage     where appropriate				
			• re-assemble				
			Sprocket: • sprocket checked for wear and condition				
			Starter mechanism:				
			<ul> <li>starter cover removed and air ways cleared</li> </ul>				
			<ul> <li>cord and coil spring tension released</li> </ul>				
			cord inspected for wear				
			cord and coil spring re-tensioned				
			<ul> <li>re-coil checked to ensure spring tension is correctly applied</li> </ul>				
			<ul> <li>pull toggle checked for security</li> </ul>				
			<ul> <li>Greasing/lubrication (as appropriate):</li> <li>greasing of component parts as appropriate</li> </ul>				
			greasing of component parts as appropriate				
			Fuel and oil filter:				
			<ul> <li>fuel/oil cap removed</li> <li>filter leasted and removed where applicable from</li> </ul>				
			<ul> <li>filter located and removed where applicable from tank using appropriate tool</li> </ul>				
			condition of filter determined				
			<ul> <li>cleaning procedures using non flammable detergents followed by risping and drying or</li> </ul>				
			detergents followed by rinsing and drying or replacement as appropriate				
			Met ✓ Not Met X				F
	Identify different chain	Chisel	Cutter types may include:				┞
5.5	types and their application	Semi-chisel	chisel chain				
	(CUTTER TYPES)		<ul> <li>semi-chisel chain</li> </ul>				
5			application may depend on experience of the operator, timber type and personal preference				
	1				1	1	

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	-		IDAT	
NUMBER	CRITERIA Explain how to select the	GUIDANCE Learners are expected to talk	ACTIVITIES	Α	В	С	D
5.4 5	correct filing information for chain and why this is necessary (FILING INFORMATION)	through the file selection and sharpening process with the assessor and are only expected to obtain the filing information required for their chain	<ul> <li>Explain how to select the correct file size and identify the required sharpening angles through use of chain charts, manufactures information, chain box etc. for the chain being sharpened</li> </ul>				
		Two reasons filing angles	Reasons for maintaining correct filing angles may include:				
			<ul> <li>enhances cutting performance</li> </ul>				
			<ul> <li>ensures chain is sharpened as per manufacturers</li> </ul>				
			• recommendations				
			• other				
		One reason cutter length	Equal cutter length prevents:				
			increased vibration				
			inaccurate cutting				
			<ul> <li>increased risk of kick back</li> <li>other</li> </ul>				
		Two reasons depth gauge	The correct depth gauge setting:				
			<ul> <li>reduces the risk of kick back</li> </ul>				
			reduces chain vibration				
			<ul> <li>achieves optimum cutting speed</li> <li>other</li> </ul>				
			Met ✓ Not Met X				
2.4	Maintain cutting system in accordance with operators handbook using	Assessor to observe	In accordance with the manufacturers recommendations guidebar maintenance should include:				
2	appropriate tools		<ul> <li>identification of uneven and damaged rails and maintain as appropriate</li> </ul>				
	(MAINTAIN BAR & CHAIN)		<ul> <li>checking the straightness of bar</li> </ul>				
			checking the bar groove depth				
			<ul> <li>identification of any blueing, cracking and burring</li> <li>removal of burrs</li> </ul>				
			<ul> <li>clearing the bar groove and oil holes</li> </ul>				
			<ul> <li>inspecting the sprocket nose for security and</li> </ul>				
			<ul><li>condition</li><li>greasing the bar nose sprocket if applicable</li></ul>				
			<ul> <li>greasing the bar following maintenance to reduce</li> </ul>				
			wear				
			In accordance with the manufacturers recommendations chain maintenance should include:				
			<ul> <li>checking cutters for damage and selecting the first cutter to sharpen</li> </ul>		_		
			<ul> <li>having the chain secured in a chain vice or on bar</li> </ul>				
			<ul> <li>in a bench vice or timber vice</li> <li>selecting and using a file of the correct size with a</li> </ul>				
			<ul> <li>handle fitted to sharpen all of the cutters</li> <li>maintenance of top and side plate angles</li> </ul>				
			throughout sharpening of the whole chain				
			<ul> <li>ensuring a consistent cutter length is maintained</li> <li>removing burrs when applicable</li> </ul>				
			<ul> <li>maintaining the height and profile of depth gauges</li> </ul>				
			Met ✓ Not Met X				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	-	AND		1
NUMBER		GUIDANCE	ACTIVITIES	Α	В	С	D
5.3	Describe the problems encountered when chain	Three for guide bar	Problems that may be encountered when a guidebar is worn, damaged or poorly maintained may include:				
_	and guide bar are worn, damaged or poorly		chainsaw does not cut in a straight line				
5	maintained		over-heating of the guidebar				
			poor lubrication of the chain				
	(BAR & CHAIN PROBLEMS)		increased chain, bar and sprocket wear				
	,		• other				
		Three for chain	Problems that may be encountered when a chain is worn, damaged or poorly maintained may include:				
			<ul> <li>poor cutting performance/reduced efficiency</li> </ul>				
			<ul> <li>saw not cutting in straight line</li> </ul>				
			<ul> <li>increased risk of kick back</li> </ul>				
			<ul> <li>increased wear to chain, bar and sprocket</li> </ul>				
			<ul> <li>increased risk of chain breakage</li> </ul>				
			<ul> <li>increased vibration and thus the risk of 'white</li> </ul>				
			finger'				
			• other				
	Reassemble chainsaw and	Assessor to carry out a	Met ✓ Not Met X      upon completion of maintenance activities the				
2.5	cutting system to	physical inspection of the	chainsaw including the bar and chain is				
	functional/operational	chainsaw following	reassembled in line with the operators handbook				
2	standard	maintenance	Met ✓ Not Met X				
	(RE-ASSEMBLE SAW)						
	Clean and tidy working	Assessor to observe	maintenance area is left in a clean and tidy state				
2.6	area		with tools and equipment appropriately cleared				
	(CLEAN WORK AREA)		away				
2			Met ✓ Not Met X				
1.5	Dispose of waste safely in line with legislation	Assessor to observe	<ul> <li>all waste produced from maintenance activities is disposed of in line with legislation, good practice</li> </ul>				
	(WASTE DISPOSAL)		and/or site requirements				
1	(		Met ✓ Not Met X				
	Describe the correct	Two methods	Disposal of waste from maintenance activities may				
4.4	methods for disposing of waste		include:				
	waste		use of designated waste/recycle bins				
4	(WASTE DISPOSAL		<ul> <li>waste oils placed in approved containers for disposal</li> </ul>				
	METHODS)		other				
			Met ✓ Not Met X				
	Identify appropriate	Assessor to observe	Appropriate PPE for chainsaw operations will include:				
4.5	personal protective equipment		chainsaw safety trousers				
			chainsaw safety boots				
4	(CHAINSAW PPE)		safety helmet				
			eye and ear protection				
			gloves appropriate for the task				
			non-snag outer clothing				
			• each person should carry a personal first aid kit				
			including a large wound dressing				
			all PPE should conform to CE/EN standards and				
			display a chainsaw pictogram where appropriate				
			Met ✓ Not Met X				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA <sup>.</sup>	ΓЕ
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
	Describe how	One cause	Environmental damaged may be caused by:				
4.3	environmental damage can be caused and minimised		incorrect storage of fuel and oil				
			defective machinery				
4	(ENVIRONMENTAL		poor work practices				
	DAMAGE)		• other				
		One prevention	Environmental damage may be prevented by:				
			<ul> <li>following principles of industry good practice</li> </ul>				
			<ul> <li>good housekeeping</li> </ul>				
			<ul> <li>appropriately trained operators</li> </ul>				
			<ul> <li>other</li> </ul>				
			 Met ✓ Not Met X				
	Carry out pre-start checks	Assessor to observe	Pre start checks and setting of the machine to include:				
3.1	and setting of the machine		<ul> <li>chain tension and condition checked for safe and</li> </ul>				
5.1	for use		effective use				
3	(PRE START CHECKS)		• safety features checked for condition and function				
			<ul> <li>external nuts and bolts checked for security</li> </ul>				
			<ul> <li>chainsaw contains sufficient fuel and chain oil for operations</li> </ul>				
			Met ✔ Not Met X				
3.2	Demonstrate safe starting of the chainsaw	Assessor to observe	The safe starting procedure of a chainsaw should include:				
•.=			correct PPE worn				
3	(START CHAINSAW)		remove guidebar cover				
			<ul> <li>place saw on ground, where appropriate, ensuring no debris can catch the chain</li> </ul>				
			secure rear handle				
			<ul> <li>controls set as recommended by the manufacturer</li> </ul>				
			<ul> <li>ensure chain brake set according to manufacturers recommendations</li> </ul>				
			<ul> <li>adopt safe stance</li> </ul>				
			• find compression pulling starter cord sharply and				
			<ul><li>firmly</li><li>choke released when engine fires</li></ul>				
			<ul> <li>half throttle released when engine runs</li> </ul>				
			Ŭ				
	Demonstrate west	A + +	Met ✓ Not Met X				
3.3	Demonstrate post operational checks	Assessor to observe	<ul> <li>Post starting checks of a chainsaw should include:</li> <li>ensuring the saw chain stops when the engine</li> </ul>				
	(OPERATIONAL	If any of the post start checks identify the chainsaw as unfit	revs r return to idle				
3	CHECKS)	for use, it must not be used for the assessment	<ul> <li>ensuring the chain brake functions according to the manufacturer's specification</li> </ul>				
			<ul> <li>ensuring the stop switch works correctly</li> </ul>				
			<ul> <li>ensuring lubrication to the guide bar and chain is working properly</li> </ul>				
			Met ✓ Not Met X				

Candidate A	Candidate <b>has met</b> all of the assessment criteria	Tick ✓	The Candidate <b>has not</b> met all of the assessment criteria; ( <i>state reason(s))</i>	Tick ✓
	Signed: C	Date:		
Candidate B	Candidate <b>has met</b> all of the assessment criteria	Tick ✓	The Candidate <b>has not</b> met all of the assessment criteria; <b>(state reason(s))</b>	Tick ✓
	Signed: C	Date:		
Candidate C	Candidate <b>has met</b> all of the assessment criteria	Tick ✓	The Candidate <b>has not</b> met all of the assessment criteria; <b>(state reason(s))</b>	Tick ✓
	Signed: C	Date:		
date D	Candidate <b>has met</b> all of the assessment criteria	Tick ✓	The Candidate <b>has not</b> met all of the assessment criteria; ( <i>state reason(s))</i>	Tick ✓
Candi				
Candidate	Signed:	Date:		
For	Signed: use by Internal Verifier ONLY if the assessment process was i ernal Verifier to complete ONE of the boxes below)		y verified	
For (Int	use by Internal Verifier ONLY if the assessment process was i ernal Verifier to complete ONE of the boxes below)	nternally	<i>y verified</i> ssessment was conducted in line with the qualification requirements	Tick ✓
For (Int	use by Internal Verifier ONLY if the assessment process was i ernal Verifier to complete ONE of the boxes below) served an assessment process taking place and I am satisfied th	nternally at the a	ssessment was conducted in line with the qualification requirements	✓