

# **TECHNICAL EVALUATION RECORD** v2 Sept25

<b>QUALIFICATION:</b>	Powered Pole Pruner Maintenance and Operation	<b>Qualification Code/s:</b>					0039-26	
		<b>Units:</b>					207	
<b>Assessor Name:</b>		<b>Technical Verifier Name:</b>						
<b>Assessor BP No:</b> <b>NEW? D.O.B:</b>		<b>Technical Verifier BP No:</b>						
<b>Assessor Email:</b>		<b>Start Time:</b>						
<b>Invoice To:</b> (Include Centre name if applicable)		<b>End Time:</b>						
<b>CRITERIA:</b> (See guidance notes on next sheet)		<b>PERFORMANCE EVALUATION(Circle):</b>					<b>COMMENTS:</b>	
Knowledge of Health and Safety legislation		1	2	3	4	5		
Risk Assessment, legal and environmental considerations		1	2	3	4	5		
Knowledge of safety guides & current industry good practice		1	2	3	4	5		
Knowledge and experience of work environments		1	2	3	4	5		
Knowledge of industry pruning standards and reference material		1	2	3	4	5		
Chain identification and sharpening		1	2	3	4	5		
Bar maintenance		1	2	3	4	5		
Chain Tension		1	2	3	4	5		
Knowledge of fuel and lubricants		1	2	3	4	5		
Engine maintenance		1	2	3	4	5		
Starting procedures and operational checks		1	2	3	4	5		
Knowledge of Personal Protective Equipment		1	2	3	4	5		
Accurate assessment of site and trees to be worked on		1	2	3	4	5		
Knowledge of pruning principles		1	2	3	4	5		
Operator position and stance		1	2	3	4	5		
Safe and efficient use of pole pruner at professional speed		1	2	3	4	5		
Accurate cuts over wide range of cutting techniques		1	2	3	4	5		
Practical assessment demonstration		1	2	3	4	5		
<b>PERFORMANCE EVALUATION COLUMN TOTALS:</b>							<b>= TOTAL SCORE:</b>	
<b>Result of Technical Evaluation (tick):</b>	<b>PASS</b>	<b>TOTAL SCORE REQUIRED TO ACHIEVE ASSESSOR STATUS:</b> (NB. ACHIEVED IN PERFORMANCE EVALUATION COLUMNS 4 & 5 ONLY)					<b>72</b>	
	<b>FAIL</b>							

<b>TECHNICAL VERIFIER COMMENTS (ACTION PLAN):</b>			
<div></div> <div><i>Please continue on reverse if necessary</i></div>			
<b>ASSESSOR COMMENTS:</b>			
<div></div> <div><i>Please continue on reverse if necessary</i></div>			
<b>TECHNICAL VERIFIER SIGNATURE:</b>		<b>Cost:</b> £200 Half Day £300 Full Day	<b>DATE:</b>
<b>ASSESSOR SIGNATURE:</b>			

## Guidance

The following information provides indicative content of the technical evaluation. Applicants will be expected to demonstrate practical skills and knowledge greater than that of a candidate, including exemplary performances City & Guilds NPTC Technical Evaluation Record 0020-06 and 0020-10 V1 09.11.16

upon demand. These guidance notes should also be read in conjunction with the relevant Qualification Guidance.

## Practical demonstration of assessment

*(Not applicable for existing approved Assessors)*

Applicants will need to be able to conduct an assessment, with the verifier acting as a candidate using a selected page from the relevant qualification guidance. E.g. page 9 or 10

## Legislation and environmental considerations

The person being evaluated should have knowledge of the key principles and practical relevance of the following legislation:

- Health and Safety at Work etc. Act
- Management of Health and Safety at Work Regulations
- Provision and Use of Work Equipment Regulations
- Personal Protective Equipment at Work Regulations
- Manual Handling Operations Regulations
- Control Of Substances Hazardous to Health Regulations
- The Health and Safety (First-Aid) Regulations
- Reporting of Injuries Diseases Dangerous Occurrence Regulation
- Control of Noise at Work Regulations
- Control of Vibration at Work Regulations
- Wildlife and Countryside Act
- Countryside and Rights of Way Act
- European Protected Species Directive
- Applicants will be asked to demonstrate further knowledge of how they would make arrangements to comply with above Regulations.

## Sources of reference information and industry good practice guides

Applicants will require knowledge of the basic content and relevance of the following:

- The Health and Safety Executive (HSE) leaflet
- 'Chainsaws at Work'
- Forest Industry Safety Accord (FISA) Safety Guides
- Operators manuals
- Pruning standards e.g. BS3998
- European Tree Pruning Guide (AA/EAC)
- Tree Advice Trust Guidance Notes, "rules of thumb" etc.

## Pole Pruner safety features and familiarity of other pole pruner models

The Applicant will need to be able to identify and demonstrate knowledge of the safety features and

common variations between different pole pruners, e.g.

- Fixed length, telescopic and detachable
- Petrol driven (2 stroke and 4-mix), battery and hydraulic powered pole pruners
- Starter features e.g. Elasto-start, Ergo-start
- Rubber/metal spring A/V mountings
- Specific product developments within saw ranges
- e.g.: an awareness of M-tronic, Auto-tune

## Chain ID and sharpening

A thorough understanding of chain components, their function, and the terminology applied by different manufacturers will be required.

- Chain type/profile
- Guard links
- Pitch, gauge
- Identification marking systems
- Recognition of the most common chain types and knowledge of sharpening specifications, without reference to product information
- Interpretation of filing information from manufactures information e.g. chain box
- Familiarity with a range of sharpening methods, file guides and depth gauge setting tools.

## Bar maintenance

Applicants will be expected to examine, maintain and refit the guide bar. Identify and remedy a range of common faults.

## Drive sprocket

Applicants will be expected to remove and replace sprockets and comment wear tolerances.

## Power unit maintenance, air filter, spark plug, exhaust and clutch.

Applicants will be expected to carry out maintenance of and diagnose faults relating to the above.

## Recoil starter

Applicants will be expected to remove, de-tension, inspect, maintain, re-tension and refit and state the cord replacement procedure.

## Chain tension

Applicants will be expected to re-tension chain to the manufacturers' recommendations and explain the importance.

## Fuel and lubricating systems

Applicants will require knowledge of types of fuel and lubricants, filters and pumps.

**PPE**

Applicants will be required to demonstrate knowledge of PPE requirements, suitability, CE marking, EN standards.

**Fuelling sites and Bio-security**

Knowledge of suitable fuelling sites and spill prevention.  
Basic understanding of Bio-security relating to worksites

**Legal constraints**

Applicants will require knowledge of: Tree Preservation Orders and Conservation Areas.

**Risk assessment**

Applicants will be required to carry out a site specific risk assessment.

**Knowledge and experience of work sites**

Applicants will need to be able to demonstrate knowledge of working within the following environments:

- Utility (rail, highway, waterway, electricity)
- Domestic, commercial and local authority sites
- Sloping and uneven ground
- Working at height

**Accurate assessment of trees to be worked upon including tree identification**

Applicants will need to be able to carry out an accurate assessment of the trees to be worked upon and be able to as a minimum identify the trees to be pruned and two other species on site.

**Starting procedures and pre use checks**

Applicants will need to be able to demonstrate starting procedures, along with pre use checks in accordance with manufacturer's guidance.

**Cutting techniques**

A range of cutting techniques will need to be demonstrated by the applicant, to include:

- Through cuts
- Step cuts
- Natural Target Pruning

Knowledge relating to the characteristics of cutting with certain bar/chain parts e.g. Pushing and pulling chain.  
The effects of tension and compression within timber.

**Pruning principles**

Applicants will be expected to demonstrate knowledge relating to:

- Branch bark ridge and collar
- Compartmentalisation of Decay in Trees (CODIT)
- Effects of pruning at certain times of the year

- How tree condition may affect pruning regimes

**Safe handling and operation**

Applicants will need to be able to demonstrate:

- Efficient and safe use of the pole pruner
- Procedures for dealing with a stuck/trapped machine