

TECHNICAL EVALUATION RECORD

QUALIFICATION:	L2 Award in Ground based chainsaw operations	Qualification Code/s:					Independent: 0020-12
		Units:					Evaluation includes: 0020-01 (integrated) 0020-09, 0020-02, 0020-03, 0020-04
							201 202 203
Assessor Name:		Technical Verifier Name:					
Assessor No: If NEW add D.O.B:		Technical Verifier No:					
Assessor email:		Start Time:					
Invoice To: (Include Centre name if applicable)		End Time:					
CRITERIA: (See guidance notes on next sheet)		PERFORMANCE EVALUATION(Circle):					COMMENTS:
Health and Safety requirements explained and risk assessment completed		1	2	3	4	5	
Sources of reference information & industry good practice guides		1	2	3	4	5	
Saw safety features & familiarity with other models		1	2	3	4	5	
Chain identification & sharpening		1	2	3	4	5	
Bar maintenance		1	2	3	4	5	
Drive sprocket		1	2	3	4	5	
Chain brake		1	2	3	4	5	
Power unit maintenance: Air filter, spark plug, exhaust, clutch		1	2	3	4	5	
Recoil starter		1	2	3	4	5	
Chain tension		1	2	3	4	5	
Knowledge of fuel & lubricants, filters and pumps		1	2	3	4	5	
Knowledge of PPE requirements		1	2	3	4	5	
Knowledge of fueling sites and Bio-security		1	2	3	4	5	
Starting and operational checks		1	2	3	4	5	
Legal constraints		1	2	3	4	5	
Knowledge & experience of felling sites		1	2	3	4	5	
Accurate assessment of site & trees to be felled Risk Assessment (2 nd site)		1	2	3	4	5	
Accurate felling cuts up to 200mm including knowledge of function/purpose		1	2	3	4	5	
Break in, brashing and prepare tree for felling		1	2	3	4	5	
Accurate felling cuts up to 380mm including knowledge of function/purpose		1	2	3	4	5	

Take down of hung up trees – hand methods & use of winch	1	2	3	4	5	
Branch removal	1	2	3	4	5	
Measuring & conversion	1	2	3	4	5	
Cross-cutting & stacking	1	2	3	4	5	
Presentation & knowledge of product extraction systems	1	2	3	4	5	
Use of saw at a safe & efficient speed	1	2	3	4	5	
Practical assessment demonstration	1	2	3	4	5	
PERFORMANCE EVALUATION COLUMN TOTALS:						= TOTAL SCORE:
Result of Technical Evaluation (tick):	PASS	TOTAL SCORE REQUIRED TO ACHIEVE ASSESSOR STATUS: (NB. ACHIEVED IN PERFORMANCE EVALUATION COLUMNS 4 & 5 ONLY)				108
	FAIL					
TECHNICAL VERIFIER COMMENTS (ACTION PLAN):						
<i>Please continue on reverse if necessary</i>						
ASSESSOR COMMENTS:						
<i>Please continue on reverse if necessary</i>						
TECHNICAL VERIFIER SIGNATURE:					Cost: £200 Half Day £300 Full Day	DATE:
ASSESSOR SIGNATURE:						

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

Practical Demonstration of assessment

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

Saw safety features and familiarity of other chainsaw models

The Applicant will need to be able to identify and demonstrate knowledge of the safety features and common variations between different saws, e.g.

- Inboard/outboard clutch
- Manual/inertia chain brake
- Starter features e.g. Elasto-start, Ergo-start
- Cooling system

- Air filters - pre-filters, main filters constructed of different materials and the recommended method/frequency of cleaning
- Cylinder configuration and associated location of exhaust etc.
- Rubber/metal spring A/V mountings
- Specific product developments within saw ranges e.g.: an awareness of M-tronic, Auto-tune, fuel injection and X-torq

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 (See chain ident exercise attached)
- 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 inboard and outboard sprockets and comment on sprocket types and wear tolerances.

Chain brake

Applicants will be expected to carry out the maintenance and explain the replacement of the chain brake mechanism, for inboard and outboard clutches.

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, trouser type and chain speed ratings "Class".

Fueling sites and Bio-security

Knowledge of suitable fueling sites and spill prevention.

Basic understanding of Bio-security relating to forestry/worksites.

Legal constraints

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

Risk assessment

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

Knowledge and experience of felling sites

Applicants will need to be able to demonstrate knowledge of and explain:

- Thinning regimes e.g. selective, line thinning
- Organised felling techniques e.g. bench, contour felling
- Presentation methods e.g. shortwood, pole length
- Extraction methods e.g. skidder, forwarder

Accurate assessment of site and trees to be felled

Applicants will need to be able to carry out an accurate assessment of the trees to be felled and the site.

Tree identification Applicant must be able to identify the species of tree to be felled and at least one other on site.

Prepare tree for felling

Demonstration of:

- Correct break-in
- Brashing
- De-buttressing
- Preparing escape routes

Accurate felling cuts up to 200mm

Applicants will need to be able to demonstrate and have knowledge of:

- Step cut
- 80% cut
- Spear cut
- V cut

Accurate felling cuts up to 380mm

Applicants will need to be able to demonstrate and have knowledge of:

- Basic cut
- Split level
- Dogs tooth
- Danish/safe corner

Take down of hung up trees, hand methods and use of winch

Applicants will need to be able to demonstrate and have knowledge of:

- Hinge removal
- Letter box cut
- Rolling out
- Pole/drag back
- Winching (including component selection, configuration and compatibility)

Branch removal

Applicants will need to be able to demonstrate and have knowledge of:

- Snedding/delimiting appropriate to tree species

Measuring and conversion

Applicants will need to be able to demonstrate and have knowledge of:

- Loggers tape
- Measuring stick
- Saw lengths

Cross-cutting and stacking

Applicants will need to be able to demonstrate and have knowledge of:

- Tension and compression
- Operator stance
- Boring
- Manual handling techniques
- Use of aid tools
- Use of a saw at a safe and efficient speed

Applicants will need to be able to demonstrate:

- Efficiency
- Appropriate techniques

Saw chain identification exercise.

NAME:

Chain Number	Make	Type	Pitch	Gauge	File Size	Top Plate Filing Angle	File Guide Angle	Score
1.								
2.								
3.								
4.								
5.								
								Total: