

TECHNICAL EVALUATION RECORD



QUALIFICATION:	L3 Award in felling and processing trees over 380mm	Qualification Code/s:	Independent: 0021-11 Integrated: 0021-01		
		Units:	301		
Assessor Name:		Technical Verifier Name:			
Assessor No: New? 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
Knowledge of Fuelling 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	1	2	3	4	5
Selection and knowledge of felling aids	1	2	3	4	5
Prepare tree for felling	1	2	3	4	5
Accurate felling cuts over 380mm including knowledge of function/purpose	1	2	3	4	5
Selection and knowledge of winches and equipment	1	2	3	4	5
Take down of hung up trees using a 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
PERFORMANCE EVALUATION COLUMN TOTALS:					
					= TOTAL SCORE:

Guidance

The following information outlines the content of the technical evaluation. Applicants will be expected to demonstrate practical skills and have knowledge of the following.

Legislation and environmental considerations

The person being evaluated should have a working knowledge of the following: eg Key principles and practical relevance.

- Health and Safety at Work etc. Act 1974 (HASAWA)
- Management of Health and Safety at Work Regulations 1999 (MHSWR)
- Provision and Use of Work Equipment Regulations 1998 (PUWER)
- Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)
- Personal Protective Equipment at Work Regulations 1992 (PPE regs)
- Manual Handling Operations Regulations 1992
- Control Of Substances Hazardous to Health Regulations (COSHH)
- The Health and Safety (First-Aid) Regulations 1981
- Reporting of Injuries Diseases Dangerous Occurrence Regulations (RIDDOR)
- Noise and Vibration Regulations
- Wildlife and Countryside Act
- Countryside and Rights of Way Act 2000
- European Protected Species Directive 2007

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: basic content and relevance

- The Health and Safety Executive (HSE) leaflet, 'Chainsaws at Work'
- Forestry Industry Safety Accord (FISA) guidance
- Environmental legislation and bio-security measures
- Operators' manuals
- Winching operations in forestry (tree takedown and vehicle debogging)

Fuelling sites and Bio-security

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

Legal constraints

Applicants will require knowledge of: Felling licences, TPO's 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 eg: selective, line thinning.
- Organised felling techniques eg: bench, contour felling.
- Presentation methods eg: shortwood, pole length.
- Extraction methods eg: skidder, forwarder.

Accurate assessment of site and trees to be felled

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

Prepare tree for felling

- Correct break in
- Brushing
- De-buttressing
- Prepare escape routes

Accurate felling cuts over 380mm

Applicants will need to be able to demonstrate and have knowledge of felling trees which are:

- Upright
 - Backward leaning
 - Heavily leaning/weighted in the intended direction
- One tree must be at least 560mm (22.5 inches) Boring through the sink must be demonstrated The use of wedges must be demonstrated

Take down of hung up trees using a Hand winch

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

- Winching (including suitability, configuration and compatibility)
- Hinge removal eg 80/20 and letterbox
- Rolling out/drag back
- Straight line and offset pull

The winch used must be at least 1.6 ton capacity (straight line pull)

A tractor winch may be used during the TE, but hand winching must be demonstrated

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 use of:

- Logging tape

Cross-cutting and stacking

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

- Tension and compression
- Operator stance
- Boring cuts
- Reduction cuts
- 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 and have knowledge of:

- Efficiency
- Speed
- Appropriate techniques