

Technical Evaluation Record

V2 Jan 2020



QUALIFICATION:	Level 2 Certificate of Competence in Multi-tool Equipment	Qualification Code:					0014-37 (Non-independent)
		Units:					228, 229, 230, 231. 232, 233
Assessor Name:		Technical Verifier Name:					
Assessor No: NEW? DOB:		Technical Verifier No:					
Assessor Email:		Start Time:					
Invoice To: (Include Centre name if applicable)		End Time:					
CRITERIA: (Please refer to the following pages and current Qualification Guidance)		PERFORMANCE EVALUATION (Circle):					JUSTIFICATION:
1. Health and safety legislation and environmental considerations		1	2	3	4	5	
2. Sources of reference information and industry good practice guides		1	2	3	4	5	
3. Fuelling sites and biosecurity		1	2	3	4	5	
4. Knowledge and experience of worksites and associated hazards		1	2	3	4	5	
5. Risk assessment		1	2	3	4	5	
6. Personal Protective Equipment		1	2	3	4	5	
7. Harnesses		1	2	3	4	5	
8. Knowledge and experience of a range of machine types and features		1	2	3	4	5	
9. Guards, decals, controls and safety features		1	2	3	4	5	
10. Unit 228 & 229 Carry out routine maintenance of power unit		1	2	3	4	5	
11. Unit 230 Brushcutter/trimmer attachment							
a) Knowledge of maximum blade/head rotation speeds		1	2	3	4	5	
b) Knowledge of different types of brushcutter blade		1	2	3	4	5	
c) Blade maintenance		1	2	3	4	5	
d) Knowledge of different types of trimmer head		1	2	3	4	5	
e) Trimmer head maintenance		1	2	3	4	5	
f) Operation		1	2	3	4	5	
12. Unit 231 Pole Pruner attachment							
a) Knowledge of industry pruning standards, principles and reference material		1	2	3	4	5	
b) Chain identification, sharpening and tension		1	2	3	4	5	
c) Bar and sprocket maintenance		1	2	3	4	5	
d) Lubrication system		1	2	3	4	5	

e) Operation	1	2	3	4	5	
13. Unit 232 Hedge cutter attachment						
a) Knowledge of cutting mechanism maintenance	1	2	3	4	5	
b) Identify pruning groups, hedge types and growth habits	1	2	3	4	5	
c) Operation	1	2	3	4	5	
14. Unit 233 Leaf blower attachment						
a) Maintenance	1	2	3	4	5	
b) Operation	1	2	3	4	5	
15. Equipment cleaning and storage, disposal of waste						
16. Assessment techniques <i>(new assessors only)</i>						
PERFORMANCE EVALUATION COLUMN TOTALS:						
					= TOTAL SCORE:	
Result of Technical Evaluation (tick):	MET	TO ACHIEVE ASSESSOR STATUS ALL PERFORMANCE EVALUATION SCORES MUST BE 4 OR 5. Due to multiple combinations of units (assessor may not require technical evaluation in all units) a minimum score is not provided.				
	NOT MET					
ACTION PLAN FOR ASSESSOR:						
<i>Please continue on reverse if necessary</i>						
ASSESSOR COMMENTS:						
<i>Please continue on reverse if necessary</i>						
TECHNICAL VERIFIER SIGNATURE:					COST:	DATE:
ASSESSOR SIGNATURE:					£200 Half Day £300 Full Day	

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

(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.

1. Health and safety 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 1974 (HASAWA)
- Management of Health and Safety at Work Regulations 1999 (MHSWR)
- Provision and Use of Work Equipment Regulations 1998 (PUWER)
- 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 Regulation (RIDDOR)
- Control of Noise at Work Regulations
- Control of Vibration at Work Regulations
- Wildlife and Countryside Act 1981
- 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.

2. Sources of reference information and industry good practice guides

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

- Forest Industry Safety Accord (FISA) Safety Guides
- Operators manuals

3. Fuelling sites and Bio-security

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

4. Knowledge and experience of worksites and associated hazards

Applicants will need to be able to demonstrate knowledge of a wide range of sites on which you might use a multi-tool and their associated hazards e.g.

- Proximity to roads, general public, wildlife/livestock/dogs/horses
- Hazardous plants
- Hazardous materials
- Unseen hazards
- Terrain
- Removing branches at height

5. Risk assessment

Applicants will be required to carry out a site specific risk assessment, and demonstrate knowledge of the controls to be implemented. Information to be contained within an Emergency Action Plan is also to be included.

6. Personal Protective Equipment

Applicants will be required to demonstrate knowledge of PPE requirements, suitability, CE marking, EN standards, inspection, maintenance, cleaning and storage. They should also have knowledge of impact protection ratings/requirements for eye and face protection.

7. Harnesses

Applicants will be required to demonstrate knowledge of a range of machine harness types, their safety features and appropriate adjustment.

8. Knowledge and experience of a range of machine types and features

The applicant will need to be able to have knowledge and experience of a range of machine types, their features and common variations e.g.

- 2 stroke
- 4 stroke
- Battery
- Handle configurations
- Backpack/flexidrive

They will also need to demonstrate knowledge of the following features:

- Starter features e.g. Elasto-start, Ergo/assisted-start
- Air filters - pre-filters, main filters constructed of different materials and the recommended method/frequency of cleaning
- Rubber/metal spring A/V mountings
- Specific product developments within the multi-tool ranges e.g. an awareness of M-tronic, Auto-tune
- Decompression valve
- Spark arrester
- Kickback bar

9. Guards, decals, controls and safety features

The Applicant will be expected to identify and explain the function of a range of guards, controls and safety features of a multi-tool. They will also need to understand the information given by the manufacturer on the safety decals, in particular relating to vibration and decibel ratings.

10. Units 228 & 229 Carry out routine maintenance of power unit

Applicants will need to be able to demonstrate knowledge of, carry out maintenance of and diagnose faults on the following:

- Air filter/pre-filters
- Spark plug (maintenance and carbon colour recognition)
- Cooling system
- Exhaust/spark arrester
- Recoil starter (remove, detension, inspect wear points, retension, and refit)
- Fuel filter
- AV system
- Clutch and drive system
- Gearbox/head
- Guards
- Coupling sleeve
- Battery and related items

11. Unit 230 Brushcutter/trimmer attachment

a) Knowledge of maximum blade/head rotation speeds

Applicants to have knowledge of manufacturer's stated blade and head rotation speed and, where applicable, its adjustment.

b) Knowledge of different types of brushcutter blade

Applicants to demonstrate a knowledge and have experience with a varied selection of brushcutter blades and their different applications.

c) Blade maintenance

Applicants will be expected to examine, remove, sharpen and refit the cutting blade. Identify and remedy a range of common faults.

d) Knowledge of different types of trimmer head

Applicants to demonstrate a knowledge and have experience with a varied selection of trimmer heads and nylon types and their different applications.

e) Trimmer head maintenance

Applicants will be expected to examine, remove, record and refit trimmer head. Identify and remedy a range of common faults.

f) Operation of a brushcutter/trimmer

Applicant will be required to demonstrate competency in the following with a blade or nylon trimmer head:

- Fuelling
- Pre-start checks
- Starting and pre-use running checks
- Setting of the machine on the harness for operation
- Scything
- Swatting
- Cutting around obstacles

12. Unit 231 Pole pruner attachment

a) Knowledge of industry pruning standards, principles and reference material

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

- Pruning standards e.g. BS3998
- Branch bark ridge and collar
- Compartmentalisation of Decay in Trees (CODIT)
- Effects of pruning at certain times of year
- How tree condition may affect pruning regimes

b) Chain identification, sharpening and tension

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 manufacturers information e.g. chain box
- Familiarity with a range of sharpening methods, file guides and depth gauge setting tools

c) Bar and sprocket maintenance

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

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

d) Lubrication system

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

e) Operation of pole pruner

Applicant will be required to demonstrate competency in the following with a pole pruner attachment:

- Fuelling

- Pre-start checks
- Starting and pre-use running checks
- Setting of the machine on the harness for operation
- A range of cutting techniques including through cuts, step cuts and natural target pruning
- Efficient and safe use of the pole pruner
- Procedures for dealing with a stuck/trapped machine

13. Unit 232 Hedge cutter attachment

a) Knowledge of cutting mechanism maintenance

Applicants to demonstrate a knowledge of how to maintain the cutting mechanism including:

- Correct PPE
- Remove cutter guard
- Loosen and remove retaining nuts
- Remove blade assembly
- Check the blade for damage
- Secure the blade for filing/grinding (using mini-grinder is acceptable)
- Blade sharpened correctly
- Blade re-checked for cracks/damage
- Blades re-assembled, washers and lock nuts replaced and correctly tensioned.

b) Identify pruning groups, hedge types and growth habits

Applicant to be able to describe the different hedge types (formal/informal/native), growth habits and pruning groups as listed below:

- Upright plants
- Bushy plants
- Conifers and evergreens

Applicant also needs to be able to select and describe one plant from each pruning group listed.

c) Operation of hedge cutter attachment

Applicant will be required to demonstrate competency in the following:

- Fuelling
- Pre-start checks
- Starting and pre-use running checks
- Setting up a harness if applicable
- Operation of the hedge cutter on different hedge types, trimming sides and top.

14. Unit 233 Leaf blower attachment

a) Maintenance

Applicant will need to be able to demonstrate how to inspect the coupling, vents, nozzle and any other items as per manufacturer's recommendations.

b) Operation

Applicant will be required to demonstrate competency in the following:

- Fuelling
- Pre-start checks
- Starting and pre-use running checks
- Setting of the machine on the harness if applicable
- Operation of machine on a range of debris in a controlled and effective manner as per site requirements

15. Equipment cleaning and storage, disposal of waste

Applicant will be expected to demonstrate knowledge of post-use cleaning, setting the machine for transportation, storage and appropriate disposal of any relevant waste.