

# Technical Evaluation Record

V.2 Jan 2020



<b>QUALIFICATION:</b>	Level 2 Award <b>Remote Control</b> Stump Grinder	<b>Qualification Code:</b>	0014-38 (Non-independent)			
		<b>Units:</b>	224 and 225			
<b>Assessor Name:</b>		<b>Technical Verifier Name:</b>				
<b>Assessor No:</b> <b>NEW? DOB:</b>		<b>Technical Verifier 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: (Please refer to the following pages and current Qualification Guidance)</b>		<b>PERFORMANCE EVALUATION (Circle):</b>			<b>JUSTIFICATION:</b>	
1. Knowledge of Health and Safety legislation		1	2	3	4	5
2. Risk Assessment, legal and environmental considerations		1	2	3	4	5
3. Knowledge of current industry good practice and sources of information		1	2	3	4	5
4. Personal Protective Equipment		1	2	3	4	5
5. Guards, decals, controls and safety features		1	2	3	4	5
6. Engine maintenance		1	2	3	4	5
7. Drive-system maintenance		1	2	3	4	5
8. Cutting wheel maintenance including tooth replacement		1	2	3	4	5
9. Pre-start checks and machine set-up/positioning		1	2	3	4	5
10. Manoeuvring and transport of remote controlled stump grinders		1	2	3	4	5
11. Stump preparation and protection of third parties		1	2	3	4	5
12. Carry out the stump grinding operation in accordance with instructions or specification		1	2	3	4	5
13. Describe cleaning, post-operative checks and storage		1	2	3	4	5
14. Environmental and public hazard considerations		1	2	3	4	5
15. Assessment techniques (if applicable i.e. for new assessor)		1	2	3	4	5
<b>PERFORMANCE EVALUATION COLUMN TOTALS:</b>						<b>= TOTAL SCORE:</b>
<b>Result of Technical Evaluation (tick):</b>	<b>MET</b>	<b>TOTAL SCORE REQUIRED TO ACHIEVE ASSESSOR STATUS: (NB. ACHIEVED IN PERFORMANCE EVALUATION COLUMNS 4 &amp; 5 ONLY)</b> <i>If an existing Assessor then please adjust total score required to 68</i>				<b>56</b>
	<b>NOT MET</b>					
<b>ACTION PLAN FOR ASSESSOR:</b>						
<i>Please continue on reverse if necessary</i>						
<b>ASSESSOR COMMENTS:</b>						
<i>Please continue on reverse if necessary</i>						
<b>TECHNICAL VERIFIER SIGNATURE:</b>				<b>COST:</b>	<b>DATE:</b>	

		<b>£200 Half Day</b>	
<b>ASSESSOR SIGNATURE:</b>		<b>£300 Full Day</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 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
- 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 and Dangerous Occurrences Regulations
- 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 Act
- New Road and Street Works Act

Applicants will be asked to demonstrate further knowledge of how they would make arrangements to comply with the above Regulations.

#### 2. Risk Assessment, legal and environmental considerations

Applicants will be required to carry out a site specific risk assessment and demonstrate knowledge of the emergency planning process and any relevant environmental considerations. They must also be able to demonstrate knowledge of the controls to be implemented for roadside working and public spaces.

It will be expected an Assessor has an understanding of tools available to an operator such as CAT and GENNY (Cable Avoidance Tool & Signal Generator), their function and limitations.

#### 3. Knowledge of current industry good practice and sources of information

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

- Forest Industry Safety Accord (FISA) Safety Guides
- Arboricultural Forestry Advisory Group (AFAG) Safety Guides
- Operators manuals

#### 4. Select and use appropriate Personal Protective Equipment (PPE)

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.

#### 5. Identify guards, explain meaning of decals, identify and explain use of all 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 remote controlled stump grinder. They will also need to understand the information given by the manufacturer on the safety decals, in particular relating to vibration and decibel ratings.

#### 6. Engine maintenance

Applicants will be expected to carry out maintenance of and diagnose common faults relating to the following:

- Air, oil and fuel filters
- Spark plugs where applicable
- Battery
- Water levels
- Radiator
- Belts
- Electrical wiring

#### 7. Drive system maintenance

Applicants will be expected to carry out maintenance and diagnose common faults relating to the following:

- Belts
- Pulley wheel
- Hydraulics
- Tracks/tyres where fitted
- Greasing and lubrication

#### 8. Cutting wheel maintenance including tooth replacement

Demonstrate knowledge of commonly available types of cutting teeth, explaining the replacement and fitting of at least two different types.

Applicant to remove and replace/refit at least two cutting teeth, using appropriate tools and techniques in accordance with manufacturer's guidance.

Knowledge of the importance of correct torque settings to be demonstrated.

**9. Pre-start checks and machine set-up/positioning**

Machine to be started, set up and positioned in accordance with manufacturer's recommendations. All safety and operational features checked prior to use.

**10. Manoeuvring and transport of remote controlled stump grinder**

Applicant to demonstrate the safe manoeuvring of the machine in use as part of the technical evaluation, in accordance with both good practice and the operator's manual.

**11. Stump preparation and protection of third parties**

Stump preparation including assessment of size, condition and removal of any foreign bodies.

Deflection barriers/screens set up if applicable.

Stump cut down to an appropriate level beforehand if required.

Applicant has undertaken a site specific risk assessment, has implemented any control measures, can demonstrate a knowledge of safe working distances and set up safety zones accordingly.

Applicant to demonstrate knowledge of relevant signing, traffic management requirements, barriers, noise and stabilisation of machine on slopes.

**12. Carry out the stump grinding operation in accordance with instructions or specification**

Applicant to carry out stump grinding operations in accordance with instructions or specification, manufacturer's guidance and industry good practice

**13. Describe cleaning, post-operative checks and storage**

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

**14. State the environmental and public hazard considerations**

Applicant to state any environmental/public hazard considerations including:

- Projection of material
- Smothering of flora/fauna
- Blocking of ditches/waterways/access routes
- Spreading of disease
- Fuel/oil spillage
- Creation of hole/trip hazard if stump is not backfilled
- Noise