|  |
| --- |
| **Technical Evaluation Record** **V.2 Jan 2020** cid:image001.png@01D28387.1A22FD50 |
| **QUALIFICATION:** | Level 2 Award Remote ControlWinch | **Qualification Code:**  | 0014-38 (Non-independent) |
| **Units:**  | 226 & 227 |
| **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. Knowledge of Health and Safety and environmental 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. Knowledge of winches and associated equipment | 1 | 2 | 3 | 4 | 5 |  |
| 6. Guards, decals, controls and safety features | 1 | 2 | 3 | 4 | 5 |  |
| 7. Power unit/winch maintenance | 1 | 2 | 3 | 4 | 5 |  |
| 8. Suitability, configuration and compatibility of winch and components | 1 | 2 | 3 | 4 | 5 |  |
| 9. Maintenance and inspection of ancillary components | 1 | 2 | 3 | 4 | 5 |  |
| 10. Pre-operational checks | 1 | 2 | 3 | 4 | 5 |  |
| 11. Set up and positioning | 1 | 2 | 3 | 4 | 5 |  |
| 12. Operation of winch | 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 |  |
| **PERFORMANCE EVALUATION COLUMN TOTALS:** |  |  |  |  |  | **= TOTAL SCORE:** |  |
| **Result of Technical Evaluation (tick):** | **MET** | **TOTAL SCORE REQUIRED TO ACHIEVE ASSESSOR STATUS:****(NB. ACHIEVED IN PERFORMANCE EVALUATION COLUMNS 4 & 5 ONLY)***If an existing Assessor then please adjust total score required to 56*  | **60** |
| **NOT MET** |
| **ACTION PLAN FOR ASSESSOR:*****Please continue on reverse if necessary*** |
| **ASSESSOR COMMENTS:*****Please continue on reverse if necessary*** |
| **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**

*(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 and environmental legislation**

The person being evaluated should have knowledge of the  key  principles, practical  relevance and methods of compliance  with  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
* Lifting Operations and Lifting Equipment Regulations (LOLER)
* 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

**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.

**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
* Operators manuals
* Relevant industry guidance

**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. Knowledge of winches and associated equipment**

The applicant will be familiar with the different types of remote controlled winch including:

* Battery-powered
* Electric
* Hydraulic
* Engine-powered

The applicant will need to demonstrate knowledge of the various equipment associated with remote controlled winches including:

* Slings
* Strops
* Pulleys
* Chains/cables
* Connectors
* Ground anchors
* Air dampers

**6. 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 winch. They will also need to understand the information given by the manufacturer on the safety decals.

**7. Power unit/winch maintenance**

Applicants will be expected to carry out maintenance as per the manufacturers handbook/operators manual.

**8. Suitability, configuration and compatibility of winch and components**

Applicant will be expected to have knowledge of the suitability, configuration and compatibility of all components including:

* Pull capacity of winch
* Safe Working Load (SWL), Work Load Limit (WLL), Minimum Braking Strain (MBS)
* How SWL may be affected by configuration and set up e.g. sling/strop configurations and offset/mechanical advantage pull

**9. Maintenance and inspection of ancillary components**

Applicant to inspect and comment on any defects. This may include:

* Cuts
* Frays
* Distortion
* Abrasion damage
* Excessive play/bearing damage
* Heat damage
* Burrs
* Proper decommissioning of any damaged items

Applicant should also demonstrate knowledge of appropriate maintenance including:

* Cleaning
* Lubrication
* Burr removal

**10. Pre-operational checks**

Applicant to demonstrate how to check all functions of the winch in accordance with the manufacturers guidelines.

**11. Set up and positioning**

Applicant is to set up and position the remote controlled winch to demonstrate the following:

* Appropriate PPE worn
* Establishment of effective communication/hand signals
* Suitably anchored
* All components are compatible and configured correctly
* Correct estimation of load
* Appropriate choice of winching method
* Safe working distances and danger zones identified and communicated

**12. Operation of winch**

The applicant is to operate the winch in accordance with the manufacturers guidelines/operator manual to undertake the following:

* Straight-line pull
* Offset pull
* Mechanical advantage pull

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

Applicant will be expected to demonstrate knowledge of post-operational checks including:

* Cleaning
* Storage
* Inspection of winch, cable/rope, ancillary components
* Reporting and labelling of any damaged components

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

Applicant to state any environmental/public hazard considerations including:

* Fuel/oil spillage
* Presence of any Public Rights of Way in work area
* Damage to soil/protected sites/flora and fauna