|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New NPTC_0**Technical Evaluation Record** | | | | | | | | | | | | |
| **QUALIFICATION** | Utility Arboriculture – Tree Species Recognition, Growth Characteristics and Associated Hazards, Prune and Fell Trees (Ground) | | | | **Qualification Code:** | | | | | AUA10 | | |
| **Units:** | | | | | UA2.1 and UA2.2 | | |
| **Assessor Name:** |  | | | | **Technical Verifier Name:** | | | | |  | | |
| **Assessor No:** |  | | | | **Technical Verifier No:** | | | | |  | | |
| **Start Time:** |  | | | | **Location:** | | | | |  | | |
| **End Time:** |  | | | | **Invoice To: (Include Centre name if applicable)** | | | | |  | | |
| **CRITERIA:**  **(See guidance notes on next sheet)** | | | | | **PERFORMANCE EVALUATION (Circle):** | | | | | **COMMENTS:** | | |
| Risk Assessment, legal and environmental considerations | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Explain the key elements of how to identify trees of different genus | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Identify a range of broadleaf & evergreen trees, using common and Latin names | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Understanding of trees in poor health, VTA, hazard assessments | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Knowledge of Fungi, pests and diseases, biosecurity | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Explain utility pruning terminology & basic pruning standards | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Sources of industry good practice guides & standards | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Accurate assessment of sites, categorization of trees to be pruned and recognized procedures | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Insulated rods, electrical testing, inspection care and use | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Explain different insulated tool attachments | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Electrical network inspection, fault recognition | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Explain basic pruning techniques, directional, target, importance of accurate and appropriate cuts | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Prune trees using lopper and saw head | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Configurations for fell restraint systems, additional equipment & techniques | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Fell trees within proximity of the overhead line | | | | | 1 | 2 | 3 | 4 | 5 |  | | |
| Processing, site clear up and arising disposal options | | | | | 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)** | | | | | | | | | **64** |
| **FAIL** |
| **TECHNICAL VERIFIER COMMENTS**  ***Please continue on reverse if necessary*** | | | | | | | | | | | | |
| **ASSESSOR COMMENTS:**  ***Please continue on reverse if necessary*** | | | | | | | | | | | | |
| **AGREED ACTION PLAN** | | | | | | | | | | | | |
| **TECHNICAL VERIFIER SIGNATURE:** | | | |  | | | | | | **DATE:** |  | |
| **ASSESSOR SIGNATURE:** | | | |  | | | | | |

**Guidance**

The following examples are intended to provide guidance only; they are not an exhaustive list of requirements for technical evaluation, but are designed to highlight the level of knowledge expected for particular topics.

Knowledge of the working environment must also be demonstrated. This should cover a range of utility work sites, including live and dead working.

### Legislation and environmental consideration

The person being evaluated should have a working knowledge of the following:

* Health and Safety at Work etc. Act 1974 (HASAWA)
* Management of Health and Safety at Work Regulations 1999 (MHSWR)
* The Electricity Safety, Quality and Continuity Regulations 2002 and 2009 amended
* Electricity at Work Regulations 1989
* Personal Protective Equipment at Work Regulations 1992 (PPE Regulations)
* AFAG/FISA Guides
* Manual Handling Operations Regulations 1992
* The Health and Safety (First-Aid) Regulations 1981
* Reporting of Injuries Diseases Dangerous Occurrence Regulations (RIDDOR)
* ENA-TS 43-8
* ENA Electrical Technical Reports (ETR) 132 and 136
* HSE Guidance notes GS6 and HSG47 and HSG 85
* Electricity Supply Industry Safety Rules
* Electricity Supply Industry Engineering Recommendation G55/3 and BS EN 50110-1
* New Roads and Street Works Act (NRSWA)
* Provision and use of Work Equipment Regulations 1998 (PUWER)
* Wildlife and Countryside Act 1981
* Countryside and Rights of Way Act 2000
* Conservation of Habitats and Species Regulations 2010
* Natural Environment and Rural Communities Act 2006
* Forestry Act 1967
* European Protected Species Directive 2007

Demonstrate in-depth tree identification including the use of botanical names

Knowledge of decay fungi, pests and diseases and importance of thorough hazard evaluation.

knowledge of PPE and DNO safety Rules applicable to Arboriculture operations in vicinity of Electricity Distribution Networks must be demonstrated.

Familiarity of arboriculture pruning standards e.g. BS3998, European Tree Pruning Guide (AA/EAC).

### Accurate assessment of site

* Applicants will be required to carry out a site specific risk assessment in vicinity of an overhead line (can be a simulated line).
* **Knowledge and experience**

Applicants will be questioned on their background, and

practical experience of using insulated tools and assisted felling techniques in utility arboriculture.

**Accurate assessment of site and tree categories**

Applicants will need to be able to carry out an accurate

assessment of the site and the trees to be pruned and felled, including safe procedures for work.

Applicant will be expected to demonstrate knowledge

relating to:

* Selecting appropriate tools & equipment.
* Selecting attachment points/anchors for non-return felling
* Communication methods between parties involved in the felling operation

**Practical demonstration:**

Applicants will need to be able to demonstrate and have practical ability in dealing with the following scenarios

* Assembly and use of insulated rods with lopper, saw head and hook attachments
* Set up a single and two rope non-return system
* Accurately fell and process trees over 200mm using a chainsaw at a safe and efficient speed