

# T Level Technical Qualification in Agriculture, Land Management and Production: Tree and Woodland Management and Maintenance Occupational Specialism (Level 3) Forestry Pathway

## Practical Assignment

### Candidate Pack (Sample)

September 2023 Version 2.1

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Version and date	Change detail	Section
V1.0	Draft version	n/a
V2.0 June 2023	Approved version	n/a
V2.1 September 2023	Document formatting	All.
	Task 4 wording amended for clarity.	Tasks.

## 1. Assessment

This assessment is for the Tree and Woodland Management and Maintenance (Forestry) Occupational Specialism of the Technical Qualification. This pack consists of a practical assignment brief, including any drawings and diagrams, that you will need to use to complete your assessment tasks.

## Performance outcomes

The weightings for each performance outcome will remain the same for every version of the practical assignment. This ensures the appropriate depth and breadth of knowledge and skills for each specialism can be reliably assessed in every version and meets the needs of industry while keeping comparability between each assessment over time.

Performance outcome	Typical knowledge and skills	Weighting
<b>PO2</b> Grow trees and woodlands (common)	Knowledge of tree species, types and sources of tree stocks for planting and establishment, factors affecting successful tree establishment and requirements for protecting trees from threats. Skills required to plant trees using suitable techniques.	20%
<b>PO3</b> Operate and maintain forestry and arboriculture machinery (common)	Knowledge of the health and safety, maintenance and operation requirements of machinery commonly used in industry including chainsaws, winching equipment and wood chippers. Basic skills required to safely operate forestry and arboriculture machinery.	20%
<b>PO4</b> Manage woodlands to meet objectives (Forestry pathway)	Introduction to typical management objectives and silvicultural concepts relevant to modern forestry, timber products, woodland features and infrastructure. Knowledge of different surveying and measurement techniques including basic forest mensuration. Skills necessary to survey and measure different aspects of woodlands including basic mensuration.	20%
<b>PO5</b> Maintain woodlands to meet prescribed objectives (Forestry pathway)	Knowledge of the maintenance requirements and techniques used in woodlands to meet different objectives, and the reasons for your application including weed and vegetation management, boundary and infrastructure maintenance. Skills necessary to maintain woodlands including operation and maintenance of clearing saws, brushcutters and trimmers, maintenance of boundaries, surfaces and structures.	20%
<b>PO6</b> Undertake complex felling operations (Forestry pathway)	Knowledge of the health and safety, site management and environmental requirements for complex felling and timber harvesting operations. Introduction to different systems for harvesting and extracting timber and your applications. Knowledge of the different techniques for felling and processing trees with chainsaws including assisted felling. Skills necessary to prepare and safely fell and process trees using chainsaws in a harvesting environment, including assisted felling with winches.	20%

## 2. Candidate guidance

### General guidance

This is a formal assessment that you will be marked and graded on. You will be marked on the quality and accuracy of the work you produce. It is therefore important that you carry your work out to the highest standard you can.

### Plagiarism

Plagiarism is the failure to acknowledge sources properly and/or the submission of another person's work as if it were your own. Plagiarism is not allowed in this assignment.

This assignment is an assessment of your abilities, so the work submitted must be all your own and carried out under the conditions stated. You will be asked to sign a declaration that you have not had any help with the assignment. Your assessor is allowed to give you general advice i.e., clarification of the task instructions. However, general advice will not include:

- Any specific advice on how to improve work to meet the required standard
- Feedback on anything missing from your work
- Any intervention that improves the standard or presentation of work

If there is a need to provide more than general advice your assessor will need to record the advice, they have given and take it into account when marking the submitted work.

Where research is allowed, your assessor must be able to identify which work you have done yourself, and what you have found from other sources. It is therefore important to make sure you acknowledge sources used and clearly reference any information taken from them (e.g. providing as a minimum a list of web addresses / books / articles etc used).

### Timings and planning

You are advised to study the details of the assessment before starting.

You should check with your assessor that you have all the relevant materials, equipment and information/data sources that you need before starting the assessment.

You should take care when planning to make sure you have divided the time available between parts of the assignment tasks appropriately. Timings for tasks are provided within this pack to support with planning and time allocation.

If you have a good reason for needing more time, you will need to explain the reasons to your assessor and agree a new time for the assessment to take place. Any changes will be at the discretion of the assessor and agreed by City & Guilds.

### Word counts

Typical word counts, where indicated, are to be used as approximates for guidance to support the production of sufficient evidence. The marking will relate to the quality of the evidence produced and not whether the word count has been met.

## Health and Safety

You must always work safely, in particular while you are carrying out practical tasks.

You must always follow any relevant Health and Safety regulations, Risk Assessments and codes of practice in line with centre requirements.

If your assessor sees you working in a way that is unsafe for yourself or others, they will highlight the issue and ask you to stop the task immediately.

## Presentation of work

Presentation of work must be neat, legible and appropriate to the task and evidence required for submission.

You should make sure that each piece of evidence, including any forms, are clearly labelled with your name and the task reference.

All electronic files must be given a clear file name that allows your assessor to identify it as your work.

Written work may be digital or handwritten unless stated otherwise.

All sketches and drawings should be neat, tidy and annotated.

Calculations should be set out clearly, with all working shown, as well as any assumptions made. You should use appropriate units at all times, consistent with the requirements of the assignment.

## Instructions for this assignment

Ensure you read all the provided assessment information issued by the assessor

You must work independently and not share your work with any other candidates in these supervised assessment sessions.

Your work will be kept secure during any supervised breaks that are taken.

Internet access is **not** allowed, unless otherwise stated in the task.

You will not be permitted any additional notes, such as printed resources and textbooks, unless otherwise stated in the conditions for assessment.

You must complete all the tasks and present all evidence that is detailed in each task.

This assessment booklet contains the assignment brief.

The tasks have been separated into individual documents which will be handed to you at the start of each task.

Any additional documents/templates needed for the task will be provided to you by the assessor.

## Within each task you will find the following:

- **Resources:** Provides a list of equipment, documents or tools that you will have access to, to complete the task/sub task.
- **Conditions of assessment:** This will tell you the duration and rules you must follow when completing a task.

- **Controlled conditions:** This will tell you the rules you must follow when completing each task e.g. You must not share or discuss your work with other candidates.
- **What must be produced for marking:** This describes the evidence you must submit when the task is completed. Be aware that failure to submit any evidence requested can adversely affect your overall mark for the assessment.
- **Additional evidence for this task:** This describes other forms of evidence that will be collected by the assessor to support the marking of your performance. This will often include but is not limited to, photographic and video evidence.



## Performance outcome assessment themes

A set number of marks are allocated against each performance outcome assessment theme, based on the performance outcome weightings recommended by stakeholders of the qualification. This mark allocation remains the same for all versions of the assessments, ensuring consistency across assessment versions and over time.

You will be assessed against these assessment themes. This assignment brief has a total of 150 marks. The table below shows the mark distribution for this assessment.

Performance outcome (PO)	PO assessment themes	Marks per assessment theme	Marks per PO
<b>PO2 Grow trees and woodlands</b>	Plan for establishment	Tree stocks (6)	30
		Establishment plans (12)	
	Establish trees	12	
<b>PO3 Operate and maintain forestry and arboriculture machinery</b>	Health and safety	9	30
	Maintain machinery	9	
	Operate machinery	12	
<b>PO4 Manage woodlands to meet objectives</b>	Environment and plant health	6	30
	Planning and silviculture	12	
	Surveying and measurement	12	
<b>PO5 Maintain woodlands to meet prescribed objectives</b>	Health and safety	6	30
	Plan for management/maintenance	12	
	Perform woodland maintenance	12	
<b>PO6 Undertake complex felling operations</b>	Health and safety	6	30
	Environment	6	
	Prepare for complex felling operations	6	
	Perform complex felling operations	12	
<b>Total</b>		150	150

### 3. Assignment brief

Brindle Forest was planted in the 1990s for timber production. A new owner has recently acquired the land and is in the process of bringing the forest back into management. This will involve planning and carrying out thinning, planting and maintenance operations.

Further information about Brindle Forest is shown in *Figure 1: Extracts from Brindle Forest Woodland Management Plan*. You will need to refer to this information when carrying out the tasks in this assignment.

Your employer has recently won a contract to carry out the forestry work at Brindle Forest, which includes:

#### Thinning

An area of Brindle Forest is due to be thinned. The contract includes the following work:

- surveys of the thinning site to identify and locate site constraints, plan how the operation is going to be safely managed and estimate the volume of timber to be extracted and the timber products that can be produced
- felling of trees in the thinning area.

#### Planting

The owner of Brindle Forest needs to re-plant a restock site adjacent to the existing plantation. The area was originally a conifer plantation. Attempts by the previous owner to restock the site failed due to heavy grazing by the local deer population. The contract includes the following work:

- production of a planting plan taking into consideration the owner's objectives
- planting and protection of trees on site.

#### Maintenance

Areas of the forest are in need of maintenance, including damaged fencing, and several areas of overgrown weeds and vegetation. The contract includes the following work:

- repairs to damaged fencing
- clearance of unwanted vegetation.

This assignment contains 7 tasks and has a total time of 37 hours.

## Figure 1: Extracts from Brindle Forest Woodland Management Plan

Below are relevant extracts from Brindle Forest's Woodland Management Plan. You will need to refer to this information when carrying out the tasks in this assignment.

### Vision and management objectives:

<b>Vision</b>
Actively manage the woodland to improve economic return, health and resilience, and landscape value. Improve the forest resource through good forestry practice and silviculture, and increase the area of woodland under active management. Ensure that the site is maintained as a healthy and productive woodland habitat.
<b>Management objectives</b>
1. Maintain the current rotation in the mature stand, to produce marketable timber from thinnings.
2. Use income from timber sales to facilitate restoration of unmanaged compartments by controlling vegetation and restocking failed plantation.
3. Manage Roe Deer population to ensure successful establishment.

### Description of the woodland:

<p>Brindle forest covers 108 hectares in total.</p> <p>The topography is made up of gentle slopes and a plateau.</p> <p>Soil is freely draining sandy loam with a pH of 6.</p> <p>The forest was planted in the 1990s but has been largely unmanaged for the last 15–20 years.</p>
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### Structure:

Woodland Type	Percentage of management plan area (net)	Age structure (even/uneven)	Notes
Single species even-aged mature stand	54% (58 ha)	Even aged, planted 1990	Good stocking density, suitable for first thinning, to be carried out in 2023.
Mixed conifer restock site	46% (50 ha)	N/A	<p>Previous planting appears to have failed, likely due to grazing by Roe Deer population.</p> <p>There are a small number of mature <i>Larix x marschlinsii</i> (Hybrid Larch) growing on the site boundaries showing signs of <i>Phytophthora ramorum</i> infection.</p>

**Woodland protection:**

<b>Threat</b>	<i>Phytophthora ramorum</i>
<b>Likelihood of presence (high/medium/low)</b>	High
<b>Impact (high/medium/low)</b>	High
<b>Response</b>	<i>Larix x marschlinsii</i> (Hybrid Larch) to be removed from the restock site. <b>Biosecurity measures to be in place and followed for <u>all</u> operations in all areas of the forest.</b>

<b>Threat</b>	Deer
<b>Likelihood of presence (high/medium/low)</b>	High
<b>Impact (high/medium/low)</b>	High
<b>Response</b>	Roe Deer are present on site and have caused significant damage to restocking attempted by previous owner. Deer will be monitored, and planned restock site will be suitably protected for establishment.

**Additional hazards and constraints:**

<b>Management access:</b> Access is generally good; access points and track surfaces are in good condition. Stacking areas are unsurfaced so use may be limited in wet conditions.
<b>Wayleaves or Easements:</b> There is one wayleave for an 11 kV overhead powerline running inside the woodland boundary in the thinning area in the mature stand.
<b>Public rights of way:</b> There is one public footpath running inside the woodland boundary in the thinning area in the mature stand.
<b>Ground conditions:</b> The soil is freely draining throughout the site, but care must still be taken in wet conditions. Stacking areas are likely to degrade quickly with use and ground compaction will be a consideration during management operations.
<b>Undergrowth:</b> Areas around the boundaries of the forest have become overgrown with weeds in need of control/management.
<b>Wildlife/Protected species:</b> Badgers are present on the site. A sett has been located in the thinning compartment in the mature stand.
<b>Watercourses:</b> No
<b>SSSI designations:</b> No
<b>Shooting interest:</b> No

**Management strategy:**

Management objective	Intention
Maintain the current rotation in the mature stand, to produce marketable timber from thinnings.	Carry out first thinning in 2023. Monitor the crop and carry out subsequent thinning to maximise yield and generate timber income.
Use income from timber sales to facilitate restoration of unmanaged compartments by controlling vegetation and restocking failed plantation.	Maintenance work planned for all compartments to include: removal of excessive weeds/vegetation to allow access and prepare for planting, repair of boundary fences where necessary, restocking of failed plantation.
Manage Roe Deer population to ensure successful establishment.	Put suitable measures in place to protect vulnerable crops as necessary.

**Silvicultural systems:**

Harvesting
<b>Thinning.</b> Thin mature stand to produce timber income; monitor any natural regeneration. Remove infected <i>Larix x marschlinsii</i> from restock site.
Establishment/restocking/regeneration
<b>Mature stand.</b> Restock by natural regeneration where possible, supplemented by planting/underplanting where regeneration is low.
<b>Restock site.</b> To be re-planted with mixture of <i>Pinus sylvestris</i> (Scots Pine), <i>Picea abies</i> (Norway Spruce) and a suitable native broadleaved species.

## 4. Tasks

### Task 1 – Thinning site survey and method statement

You will be required to carry out a survey of the thinning site and plan how the thinning is going to be managed, deciding on extraction routes, stacking areas and signage.

You will also have to plan and mark out on site (using appropriate methods) how the thinning will be carried out adjacent to the powerline and public footpath and around the badger sett.

Your assessor will provide you with a map of the area to be thinned. You should also refer to *Figure 1: Extracts from Brindle Forest Woodland Management Plan*, which contains further information about the forest.

a) Carry out a survey of the site and record the results, identifying:

- tree species present on the site (scientific and common names)
- tree health and condition
- any signs/symptoms of tree pests/diseases/disorders
- hazards/constraints present on the site.

b) Using the information gathered during the survey, produce:

- brief report summarising the key findings of the survey
- method statement, using the template provided (*Figure 2*) for the thinning operation (including felling and extraction methods). You should ensure that you have read **all** of the information in the brief and *Figure 1* and take this into consideration when producing your method statement
- annotated map for the operation showing extraction routes, stacking areas and signage.

c) Use the equipment provided by your assessor to mark out the constraints on the site according to your method statement. You should ensure you have read **all** of the information in the brief and *Figure 1* and take this into consideration when marking out the constraints.

- Mark out on site the trees within the 'red zone' of the power line, in line with the guidance in *FISA 804 Electricity at work: Forestry* (provided).
- Mark out on site the exclusion zone around the badger sett.
- Mark out on site the locations of warning signs for the footpath.

#### Resources:

- A map of the site
- A copy of *FISA 804 Electricity at Work: Forestry*.
- *Figure 2: Method statement template*.
- Equipment to estimate tree height.
- Equipment to measure linear distances.
- Equipment to mark out the constraints on the site.

**Conditions of assessment:**

- The time allocated for this task is **9 hours**:
  - a) 3 hours
  - b) 3 hours
  - c) 3 hours.
- You must carry out the task on your own, under **controlled conditions**, while being observed.
- The assessor will provide a map of the area to be thinned.
- The assessor will provide a copy of *FISA 804 Electricity at work: Forestry* for reference.
- Internet access is **not** permitted for this task (except for the use of tree/plant identification apps in part a).

**Controlled conditions:**

- You must work on tasks only in the allocated times.
- Assessment evidence must be handed in at the end of each session for secure storage.
- For part a) you may use tree/plant identification books/keys/apps provided by the assessor.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

**What must be produced for marking:**

- Survey results (part a).
- Site survey report (part b) (typically 500 words).
- A method statement and annotated map for the thinning operation (part b).

**Additional evidence of your performance that must be captured for marking:**

- Assessor observation of a) survey and c) marking out.
- Photographic evidence by assessor.

## Task 2 – Calculate the timber volume expected from the thinning operation

You will survey the stand and measure the volume of timber expected from the thinning, using an abbreviated tariff method, A-4 (for conifers) or A-5 (for broadleaf), as described in *Timber Measurement Field Guide* (Step I: Method A, Step II: Method 4/5).

The trees to be thinned have already been marked, and pre-tariff checks have been carried out.

The assessor will provide you with the following information:

- sampling fractions to be used for dbh and tree height
- copies of *Timber Measurement Field Guide* and *Forest Mensuration: a handbook for practitioners*, which you may use throughout all parts of the task.

### Field work

- a) You must select and carry out appropriate checks on the equipment necessary to carry out the task, from the range provided by your assessor.
- b) Use appropriate methods and conventions to:
  - count all marked trees
  - measure dbh of a sample of the marked trees (using the girth sampling fraction provided)
  - measure total height (conifer) or timber height (broadleaf) of a sample of the marked trees (using the volume sampling fraction provided)
  - record the data on *Figure 3: Tariff data recording form* (provided by the assessor).

### Classroom work

- c) Use your data from part b) to:
  - estimate the tariff number of each sample tree
  - calculate the average tariff number
  - calculate the number of trees in each dbh class
  - calculate the mean dbh
  - calculate the mean volume
  - calculate the total volume.

Using your tariff data and the steps above, you will estimate the volume of timber expected from the thinning operation and record this on *Figure 3: Tariff data recording form*.

- d) Prepare a list of timber products that could be produced from the thinning, and make recommendations of which products should be produced, with explanations of choices.



## Resources

Field work (parts a) and b))

- Measurement equipment
- Tree-marking equipment
- Clipboards, pencils, erasers
- *Figure 3: Tariff data recording form*
- Reference books:
  - *Timber Measurement Field Guide*
  - *Forest Mensuration: a handbook for practitioners*

Classroom work (parts c) and d))

- Writing equipment
- Straight ruler
- Calculator
- Copy of completed *Figure 3: Tariff data recording form* from part b)
- IT facilities

## Conditions of assessment

- The time allocated for this task is **8 hours**:
  - a) and b) 5 hours
  - c) 2 hours
  - d) 1 hour.
- You must carry out the task on your own, under **controlled conditions**, while being observed.
- You will have access to the following reference materials:
  - *Timber Measurement Field Guide*
  - *Forest Mensuration: a handbook for practitioners*
- For part c) you may use a calculator to carry out calculations. All results must be recorded on the *Figure 3: Tariff data recording form* and handed in for marking.
- Internet access is permitted for part d) only.

## Controlled conditions

- You must work on tasks only in the allocated times.
- Assessment evidence must be handed in at the end of each session for secure storage.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

## What must be produced for marking

- Completed *Figure 3: Tariff data recording form* showing tariff data and estimated timber volume
- List of recommended timber products including explanations of choices

## Additional evidence of your performance that must be captured for marking

- Assessor observation (for parts a and b)
- Photographic evidence by assessor

## Task 3 – Carry out the thinning operation

You will carry out a thinning operation using a chainsaw to fell trees of between 200mm to 380mm diameter. You will fell the trees using appropriate techniques, including an assisted fell of one tree.

- a) Prepare for the operations by completing a site-specific risk assessment and emergency plan. Your assessor will provide the following templates:
  - *Figure 4: Risk assessment template*
  - *Figure 5: Emergency plan template*
- b) Carry out pre-use checks of the chainsaw and conduct any identified routine maintenance required.
- c) Fell and process at least **four** trees in accordance with the risk assessment and emergency plan.
  - Trees will be processed into at least **two** different products, to be specified by the assessor. Products must be stacked/presented appropriately for the extraction method being used.
  - Demonstrate a basic bench felling or other organised felling system to establish a timber zone and a brash zone, and an ergonomic working height for processing felled trees.
- d) Perform an assisted fell of **one** tree using a winch-based system. Process the tree and deal with products and arisings as specified by the assessor.
- e) Carry out appropriate biosecurity measures on completion of parts c) and d) of the task.

### Resources

- *Figure 4: Risk assessment template*
- *Figure 5: Emergency plan template*
- Chainsaw equipment and PPE
- Lubricant, fuel/batteries and charging equipment as necessary for the type of chainsaw provided
- Chainsaw maintenance tools
- Felling aids and winching equipment
- Logger's tape and timber rule
- Biosecurity/cleaning equipment and PPE

### Conditions of assessment

- The time allocated for this task is **8 hours**:
  - a) risk assessment and emergency plan – 1 hour
  - b) pre-use check and field maintenance of chainsaw – 30 mins
  - c) fell and process four trees to product specification – 4 hours
  - d) assisted fell and processing of one tree – 2 hours
  - e) biosecurity measures – 30 mins.
- You must carry out the task on your own, under **controlled conditions**, while being observed.
- Access to the internet is **not** permitted.

### Controlled conditions

- You must work on tasks only in the allocated times.
- Assessment evidence must be handed in at the end of each session for secure storage.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

**What must be produced for marking**

- Risk assessment
- Emergency plan

**Additional evidence of your performance that must be captured for marking**

- Assessor observation (for parts b–e)
- Photographic evidence by assessor

## Task 4 – Planting plan

In this task you will produce a planting plan for the restock site. The net planting area has been calculated as 50 hectares. The site has been cleared of vegetation in preparation for planting, and the ground will be prepared by continuous mounding. The soil is a freely draining sandy loam with a pH of 6.

Further information about Brindle Forest is detailed in *Figure 1: Extracts from Brindle Forest Woodland Management Plan*.

Using the species mix given in the table below, you must produce a planting plan to achieve a **minimum** overall stocking density of 2,500 trees per hectare.

Species	% of species mix	Stocking density	Net planting area
<i>Pinus sylvestris</i> (Scots Pine)	45%	Minimum of 2,500 trees per ha.	50 ha.
<i>Picea abies</i> (Norway Spruce)	45%		
Native broadleaf	10%		

a) You will need to research suppliers and prices to estimate the cost per hectare of planting. You will need to consider:

- suppliers of plants and protection materials
- prices
- the types and sizes of tree stock available for each species
- responsible sources of tree stocks, taking this into account when selecting supplier(s).

b) Produce a planting plan which includes:

- calculation of the required number of trees of each species (including selection of an appropriate native broadleaf species)
- planting specification including: tree stock type, size, spacing, plant handling requirements and planting method(s)
- recommended supplier(s)
- identification of factors/threats which could affect successful establishment and their potential consequences
- recommendations for methods to protect trees from identified threats, to ensure successful establishment
- justifications for all the above decisions
- cost per hectare for:
  - purchase of trees
  - purchase of any support/protection materials
  - labour costs (refer to *Figure 6: Table of standard establishment costs*).

### Resources

- ICT equipment and software
- Copies of *Figure 1: Extracts from Brindle Forest Woodland Management Plan* and *Figure 6: Table of standard establishment costs*

### Conditions of assessment

- The total time allocated for this task is **6 hours**. Indicative timings:
  - a) 1.5 hours
  - b) 4.5 hours.
- Internet access is permitted for this task.
- You will be provided with copies of *Figure 1: Extracts from Brindle Forest Woodland Management Plan* and *Figure 6: Table of standard establishment costs*.
- You must carry out the task on your own, under controlled conditions.

### Controlled conditions

- You must work on tasks only in the allocated times.
- Assessment evidence must be handed in at the end of each session for secure storage.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

### What must be produced for marking

- Written planting plan **only** (typically 1,000 words) (research does **not** need to be submitted for marking)

### Additional evidence of your performance that must be captured for marking

- N/A

## Task 5 – Planting

You will plant 25 transplants according to the planting specification provided by the assessor, using an appropriate planting technique. You will install stakes and tree guards for two of the trees.

The assessor will provide you with a planting specification for the task, detailing the trees to be planted, location and required spacing.

You must select the equipment necessary to carry out the task, from the range provided by the assessor.

- a) Check the condition of the trees, report any defects to the assessor and prepare the trees for planting.
- b) Plant 25 trees according to the planting specification, to the appropriate depth and using a suitable technique for the ground conditions and stock type.
- c) For two of the planted trees, install a stake and tree guard for support and protection.

### Resources

- Planting stock
- PPE
- Planting spades/implements.
- Planting bags
- Equipment and materials for installing support and protection

### Conditions of assessment

- The time allocated for this task is **2 hours**.
- You must carry out the task on your own, under **controlled conditions**, while being observed.
- Internet access is **not** permitted for this task.

### Controlled conditions

- You must work on tasks only in the allocated times.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

### What must be produced for marking

- N/A

### Additional evidence of your performance that must be captured for marking

- Assessor observation
- Photographic evidence by assessor

## Task 6 – Boundary maintenance

You will undertake the repair and maintenance of a section of post and rail or stock fence. The fence and area where the work is to be undertaken will be set by the assessor.

You must:

- inspect the fence and identify the maintenance or repairs required
- select the equipment needed to carry out the repairs and maintenance. The assessor will provide a range of equipment
- carry out the required repairs and maintenance to the fence, leaving the site in a safe and tidy condition.

### Resources

- PPE
- Fencing equipment and materials

### Conditions of assessment

- The time allocated for this task is **2 hours**.
- You must carry out the task on your own, under **controlled conditions**, while being observed.
- You may have assistance from another candidate/a technician/other member of staff with the post re-installation element of the task (to lift the post into the hole and position it). You must direct the actions of your assistant.
- Internet access is **not** permitted for this task.

### Controlled conditions

- You must work on tasks only in the allocated times.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

### What must be produced for marking

- N/A

### Additional evidence of your performance that must be captured for marking

- Assessor observation
- Photographic evidence by assessor

## Task 7 – Vegetation management

You will undertake vegetation management using a clearing saw to remove unwanted woody vegetation from a site, avoiding damage to the existing crop.

The assessor will provide a job specification for the task, detailing the vegetation to be cleared, and any vegetation to be retained or obstacles to be avoided.

- a) Select and prepare tools, equipment and machinery for use, including pre-use checks.
- b) Remove, sharpen and re-fit the clearing saw blade.
- c) Organise and set out the worksite.
  - Interpret the job specification to identify the area to be cleared, the vegetation to be cleared and any vegetation to be retained or obstacles to be avoided.
  - Place appropriate warning signage or other measures to manage public access.
  - Select suitable area(s) for re-fuelling and fuel storage.
- d) Use the clearing saw to remove unwanted woody vegetation from the area, applying appropriate cutting techniques.
- e) Leave the site in a safe and tidy condition and according to the job specification provided by the assessor.

### Resources

- PPE
- Fuel and container
- Clearing saw and harness
- Maintenance and sharpening tools
- Warning signs
- Job specification

### Conditions of assessment

- The time allocated for this task is **2 hours**.
- You must carry out the task on your own, under **controlled conditions**, while being observed.
- Internet access is **not** permitted for this task.

### Controlled conditions

- You must work on tasks only in the allocated times.
- The assessor will provide a job specification for the task.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

### What must be produced for marking

- N/A

### Additional evidence of your performance that must be captured for marking

- Assessor observation
- Photographic evidence by assessor



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