

Assessment Guide

Domain Forestry > Forest Operations

Unit 24575 v5 Demonstrate knowledge of factors that affect the quality of commercial forestry operations Level 3 Credits 5

Entry information

There are no pre-requisite requirements for this unit.

Candidate to complete

Name	Company
NSI No.	Email / phone

Pre-assessment confirmation

I, the **candidate**,

- Understand the assessment process and assessment requirements for this unit.
- Understand the appeals and resubmission processes.
- Believe I have the skills and knowledge to successfully complete the assessment.

Assessor to complete

Name	Company
Email / phone	

Pre-assessment confirmation

- I, the **assessor**, can confirm the candidate has achieved any pre-requisite requirements.

Assessment instructions

You will need to be able to show you can:

- Demonstrate knowledge of quality control in forestry operations.
- Demonstrate knowledge of factors that impact on the efficiency of a forest operation.
- Analyse the effect of personal performance on productivity and product quality.

Important information

- Carefully read through the rest of this Assessment so you know exactly what is expected.
- All evidence you provide for this assessment must be your own work.
- Clearly name and label all attached evidence.

What you need to do



Question Set 1 – Affecting Quality and Efficiency



Question Set 2 – Planning for Quality and Efficiency



Question Set 3 – Measuring Quality and Efficiency

You can also attach additional evidence which shows you have the required skills and knowledge, e.g. photos, worksite documents, checklists, work samples, videos.



Question Set 1 –Quality and Efficiency

These questions are about affecting quality and efficiency in forestry operations.

Use your own words. Your assessor may ask you more questions to check your understanding.

1. Describe clearly what is involved in each stage of the following operations:

Establishment

Preparing

Planting

Blanking

Releasing

Silviculture

Pruning

Thinning

Harvesting

Tree felling

Extraction

Log making and processing

2. What are **two** factors that positively impact crop quality in establishment?

1.

2.

3. What are **two** factors that positively impact crop quality in silviculture?

1.

2.

4. What are **two** factors that positively impact crop quality in harvesting.

1.

2.

5. How does your personal time management affect how much work you get done? Include in your answer distractions from personal life, your own use of time, including start time, breaks and finish time.



6. How does the quality of your own work affect product quality?



7. What downstream operations does your work affect?



8. How does your own work affect these downstream operations?



9. How does the training you have been given affect the way you work?



10. How can you improve the way you work?



Time management

Quality

Distractions from personal life

Assessor – record key points from candidate's verbal answers as accurately and fully as possible.

These answers were written by:

Candidate

Assessor



Question Set 2 – Planning for Quality and Efficiency

These questions are about to plan and maintain quality and efficiency in a forestry operation.
Use your own words. Your assessor may ask you more questions to check your understanding.

1. Give **two** examples of how your crew manager organises the crew to ensure quality is maintained.

1.

2.

2. Give **two** examples of how your crew manager plans equipment use to ensure quality is maintained.

1.

2.

3. How does your crew manager identify and manage bottlenecks to ensure quality is maintained?

Describe at least **two** ways.

1.

2.

4. Give **two** examples of how your crew manager makes sure compliance requirements are met.

1.

2.

5. How can effective crew time management help a forestry operation?

6. How can crew training affect the efficiency of a forestry operation?

7. How does efficient use of plant (machinery), equipment and labour affect the overall quality and profitability of a forestry operation?



Assessor – record key points from candidate’s verbal answers as accurately and fully as possible.

These answers were written by:

Candidate

Assessor



Question Set 3 – Measuring Quality and Efficiency

These questions are about how quality and efficiency are measured in a forestry operation.
Use your own words. Your assessor may ask you more questions to check your understanding.

1. Why are job prescriptions important in quality control?

2. Why is regular quality control important for each of the following:

- maintaining production output
- avoiding unnecessary rework time
- maintaining stable contracts
- keeping up crew morale
- adding value
- safety
- fatigue

Maintaining production

Minimising rework time

Contract stability	
Crew morale	
Adding value	
Safety	
Fatigue	

3. How are Job Prescriptions used to set quality standards?



4. Describe **two** sampling methods used to measure quality.



1.

2.

5. Describe **three** items of equipment used to measure quality.



1.

2.

3.

Assessor – record key points from candidate’s verbal answers as accurately and fully as possible.

These answers were written by:

Candidate

Assessor

Assessment result

Post-assessment feedback

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Assessor judgement

I, the **assessor**, have reviewed the candidate's evidence for Unit Standard 24575 v5 and judge that it is sufficient and authentic.

I confirm the candidate can competently:

- Demonstrate knowledge of quality control in forestry operations.
- Demonstrate knowledge of factors that impact on the efficiency of a forest operation.
- Analyse the effect of personal performance on productivity and product quality.

Assessment result

<input type="checkbox"/> I, the assessor , confirm the candidate has achieved this unit standard.		Stamp
Signature	Date	

Candidate response

I, the candidate :	<input type="checkbox"/> Agree with the assessment result.	<input type="checkbox"/> Wish to appeal.
Signature	Date	