



Australian Government

FWPFOM5011 Assist with calculating costs and production targets for forestry operations

Release: 1

FWPFOM5011 Assist with calculating costs and production targets for forestry operations

Modification History

Release	Comments
Release 1	This version released with Forest and Wood Products Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to source information and calculate costs and production targets for forestry operations.

The unit applies to individuals who undertake forester or forestry field officer job roles in the forest industry.

All work must be carried out to comply with workplace procedures according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Forest Operations Management (FOM)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to calculate costs and production targets for a forestry operation	1.1 Determine production requirements of forestry operations in terms of quantity, quality, timelines and delivery of product 1.2 Assess production site, labour cost and availability, equipment requirements and other factors that may impact production 1.3 Assess logistic support contracts, supply agreements or equivalent

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	that may impact production 1.4 Assess legislative, regulatory and environmental requirements that may impact production 1.5 Convert information gathered on forestry operation to usable form, and stored ready for retrieval and application according to workplace information management procedures
2. Set production targets for a forestry operation	2.1 Identify factors affecting production output of forestry operation 2.2 Estimate time requirements for forestry operation, including lead times, according to workplace procedures 2.3 Set production targets for a forestry operation according to workplace procedures 2.4 Determine the impact of operational variables on proposed production targets according to workplace procedures 2.5 Liaise with and seek support from senior personnel during preparation of draft production targets, as required 2.6 Document draft production targets according to workplace procedures 2.7 Verify draft production targets with appropriate personnel as required 2.8 Document and store details of production targets for future reference according to workplace procedures
3. Calculate the cost of a forestry operation	3.1 Estimate labour, equipment and material requirements for proposed forestry operation 3.2 Calculate total labour, equipment and material costs, including contingency, according to workplace procedures 3.3 Identify components contributing to overhead costs 3.4 Determine and calculate overhead costs to be attributed to forestry operation in accordance with workplace procedures 3.5 Calculate total cost of forestry operation, including overheads, margins and allowance for profit, according to workplace procedures 3.6 Apply procedures to calculate unit/daily rate from element costing according to workplace procedures 3.7 Document details of costs according to workplace procedures 3.8 Verify costs, calculations and other details with appropriate

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	personnel as required 3.9 Document and store details of cost of forestry operation for future reference enterprise information management procedures
4. Apply the contract costing method to a forestry operation	4.1 Calculate costs of forestry operations using the contract method 4.2 Compare the costs of forestry operations using this method with the unit cost model 4.3 Identify and report on implications of applying the contract cost model for a forestry operation
5. Compare calculations with actual cost and production data	5.1 Review calculated costs and production targets for forestry operation 5.2 Collate data on actual costs and production and compare with calculations 5.3 Identify and account for discrepancies between calculations and actual costs and production data 5.4 Report on comparison of calculations and actual costs and production data to appropriate personnel, noting potential implications for future setting of costs and production targets

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret complex written, technical information in source documents related to the costs and production targets for forestry operations
Writing	Design, develop and revise strategic documents appropriate to audience and context
Oral communication	Use active listening and questioning techniques to convey and clarify information
Numeracy	Calculate costs of forestry operations and compare actual and predicted costs

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFOM5011 Assist with calculating costs and production targets for forestry operations	Not applicable	The unit has been created to address a skill or task required by industry that is not covered by an existing unit	Newly created

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>