



**Australian Government**

# **FWPFOM5009 Contribute to management and monitoring of forestry supply chains**

**Release: 1**

# FWPFOM5009 Contribute to management and monitoring of forestry supply chains

## 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 contribute to the management and monitoring of forestry supply chains and to make recommendations for improving the efficiency of existing forestry supply chains.

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. Map existing forestry supply chain arrangements | 1.1 Identify the structure of existing forestry supply chains, including material flows, inventory management and end-to-end costs<br>1.2 Confirm responsibility for supply chain management within the organisation |

| Elements                                                 | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>         | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                          | <p>1.3 Access technology hardware and software required for operation of supply chain management system</p> <p>1.4 Confirm workplace policies and procedures for guiding business relations and operations</p> <p>1.5 Confirm supply chain traceability arrangements, including chain of custody and chain of responsibility requirements</p> <p>1.6 Identify information requirements for each step of a forestry supply chain</p> <p>1.7 Confirm contractual obligations and key performance indicators for a forestry supply chain, including those related to cost, compliance and timeframes</p> <p>1.8 Assess responsibilities and support needs of staff, customers and suppliers engaged in supply chain operations</p>                                                                                                                                                     |
| 2. Manage material flows through a forestry supply chain | <p>2.1 Manage achievement of supply chain objectives against key performance indicators</p> <p>2.2 Allocate supply chain tasks to self and other personnel</p> <p>2.3 Support personnel to achieve supply chain tasks and milestones</p> <p>2.4 Manage communication and information exchange with partners and suppliers</p> <p>2.5 Facilitate collaboration with supply chain organisations to determine demand at each level of supply chain</p> <p>2.6 Manage sales and payments in accordance with workplace procedures</p> <p>2.7 Implement actions within the organisation and supply chain partners to build trust and foster a supply chain culture</p> <p>2.8 Adjust policies and procedures to respond to the changing needs of suppliers, customers, regulators and the organisation</p> <p>2.9 Report on forestry supply chain operations to appropriate personnel</p> |
| 3. Monitor a forestry supply chain                       | <p>3.1 Review key performance indicators for each step in a forestry supply chain</p> <p>3.2 Identify vulnerabilities and opportunities for improvements in a forestry supply chain</p> <p>3.3 Identify ways of improving the effectiveness of a forestry supply chain through the implementation of monitoring activities</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                  | <p>3.4 Assess the impact of changes to variables, including customer orders, lead times, production volumes and transport availability, on a forestry supply chain</p> <p>3.5 Monitor compliance with legal, ethical, environmental, corporate social responsibility and sustainability requirements with a forestry supply chain in accordance with workplace procedures</p> <p>3.6 Identify potential remedial actions for correcting non-compliances and variances against key performance indicators</p>                                                                                                                |
| 4. Improve efficiency of a forestry supply chain | <p>4.1 Review the effectiveness of current relationships within a forestry supply chain</p> <p>4.2 Compare supply chain management models to determine most appropriate infrastructure to support a forestry supply chain</p> <p>4.3 Assess techniques to support the development of innovation in a forestry supply chain</p> <p>4.4 Analyse cost and time reduction activities for a forestry supply chain consistent with achieving organisational objectives</p> <p>4.5 Consolidate outcomes of review and analysis, and suggest improvements to forestry supply chain and seek feedback from appropriate personnel</p> |

## 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            | <ul style="list-style-type: none"> <li>Interpret complex written information in a range of internal and external source documents to assist in the supply chain management process</li> </ul>                                               |
| Writing            | <ul style="list-style-type: none"> <li>Design, develop and revise strategic documents appropriate to audience and context</li> </ul>                                                                                                        |
| Oral communication | <ul style="list-style-type: none"> <li>Use clear language and appropriate features to provide information to a variety of individuals</li> <li>Use active listening and questioning techniques to convey and clarify information</li> </ul> |

| Skill    | Description                                                                                                                                                |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Numeracy | <ul style="list-style-type: none"><li>Analyse and compare financial information to assist in managing, evaluating and improving the supply chain</li></ul> |

## Unit Mapping Information

| Code and title<br>current version                                                        | Code and title<br>previous version | Comments                                                                                                                      | Equivalence status |
|------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|
| FWPFOM5009<br>Contribute to<br>management and<br>monitoring of forestry<br>supply chains | Not applicable                     | The unit has been created<br>to address a skill or task<br>required by industry that is<br>not covered by an existing<br>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>

# Assessment Requirements for FWPFOM5009 Contribute to management and monitoring of forestry supply chains

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## Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has contributed to the management and monitoring of an established forestry supply chain for one forestry enterprise.

In performing this activity, the individual has:

- conducted an analysis of at least three supply chain characteristics chosen from the following and identified two areas for improvement:
  - commercial and customer relationships
  - distribution and purchasing channels
  - material flows
  - end-to-end costs
  - key performance indicators (KPIs)
  - operations and outcomes
  - compliance with legal, ethical, environmental, corporate social responsibility and sustainability requirements
  - forestry supply chain vulnerabilities
- supervised and assisted in the completion of tasks and milestones for one forestry supply chain operation during an operational cycle
- evaluated and identified at least one supply chain activity and/or model that may result in cost and time savings for the workplace and made recommendations for improvements.

## Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- terminology used in forestry supply chain operations:
  - demand
  - demand planning

- market segments
- channels
- production
- make to order
- make to stock
- supply
- order acceptance
- order fulfilment
- distribution
- objectives of inventory management:
  - maximise customer service
  - minimise inventory holding cost
  - maintain stock quality
  - maximise production efficiency
  - maximise transport efficiency
- communication strategies and channels used in forestry supply chains
- digital systems and applications used in a forestry supply chain
- forestry supply chain policies and procedures
- supplier capabilities and capacities
- forestry supply chain operations, including:
  - commercial agreements and contractual requirements
  - customer service levels
  - delivery timeframes
  - inventory flow and management
  - investment returns and cost controls
  - methods of pricing and payment terms
  - product sourcing
  - purchasing and distribution channels
  - quality control standards
  - value adds
  - stakeholder relationships
  - supply chain documentation
  - strategies that support continuous improvement activities
- forestry supply chain information requirements:
  - orders
  - production
  - inventory
  - procurement
  - transport capacity

- forestry supply chain traceability arrangements, including chain of custody and chain of responsibility requirements
- monitoring forestry supply chain:
  - commercial and customer relationships
  - distribution and purchasing channels
  - material flows
  - end-to-end costs
  - KPIs – production, procurement, transport, inventory management
  - operations and outcomes
  - compliance with legal, ethical, environmental, corporate social responsibility and sustainability requirements
  - forestry supply chain vulnerabilities.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - computing hardware and software required for operation of supply chain management system
  - comprehensive information about the operation of a forestry supply chain
- specifications:
  - workplace policies and procedures regarding forestry supply chain management and monitoring.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

## Links

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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>