FWP50121 Diploma of Forest Operations

Release: 1

FWP50121 Diploma of Forest Operations

Modification History

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

Qualification Description

This qualification reflects the job of early-career foresters and forestry field officers with specialist roles in forest operations management and forest resource management.

Individuals with this qualification apply a broad range of advanced technical and management skills and forest knowledge to inform and contribute to forest management plans and manage forestry operations. This includes using industry-specific software, modelling and analysing forestry data and optimising forest management practice to improve production processes and wood flow outcomes.

At this level, individuals are expected to apply autonomy and judgement. They take responsibility for their own outputs at the workplace.

This qualification enables specialisations in:

- Forest Operations Management or
- Forest Resource Management.

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

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 12 units of competency consisting of 12 elective units.

Elective units must ensure the integrity of the alignment between the qualification and Australian Qualification Framework (AQF) and contribute to a valid, industry-supported vocational outcome. Electives can be chosen to provide a general qualification or a qualification with a specialisation.

For the award of the *FWP50121 Diploma of Forest Operations choose*:

- at least 9 units from the electives in Groups A to D

- up to 2 units from Group E
- up to 1 unit from the remaining electives in Groups A to D or from any currently endorsed Training Package or accredited course.

For the award of the *FWP50121 Diploma of Forest Operations (Forest Operations Management) choose*:

- at least 6 units from Group A
- up to 2 units from Group E
- remaining units from Groups A to D and can include up to 1 unit from any currently endorsed Training Package or accredited course.

For the award of the *FWP50121 Diploma of Forest Operations (Forest Resource Management) choose*:

- at least 6 units from Group C
- up to 2 units from Group E
- remaining units from Groups A to D and can include up to 1 unit from any currently endorsed Training Package or accredited course.

Where two specialisations are completed, the award of the qualification would read (for example), *Diploma of Forest Operations (Forest Operations Management, Forest Resource Management)*.

Elective Units

An asterisk (*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.

Group A: Forest Operations Management

Management Systems

BSBOPS403	Apply business risk management processes
BSBSTR402	Implement continuous improvement
BSBWHS515	Lead initial response to and investigate WHS incidents
FWPCOR4204	Monitor safety, health and environmental requirements in forest and wood products operations
FWPCOT5210	Contribute to establishment and implementation of forest management systems
FWPCOT5211	Implement forest management certification scheme
FWPCOT5212	Implement workplace sustainability practices in the forest and wood products industry

Operational Planning and Contract Management

AHCWRK513	Write and present reports
BSBFIN501	Manage budgets and financial plans
BSBOPS402	Coordinate business operational plans
FWPFOM5001	Contribute to and implement a forest establishment plan
FWPFOM5002	Contribute to and implement a forest roading operational plan
FWPFOM5003	Contribute to and implement a forest harvesting plan
FWPFOM5004	Contribute to and implement a forest regeneration plan
FWPFOM5005	Contribute to and implement a biohazard contingency plan
FWPFOM5006	Implement practices to maximise value from wood residues
FWPFOM5007	Contribute to and implement a silviculture regime for a plantation
FWPFOM5008	Contribute to and implement a silviculture regime for native forest
FWPFOM5010	Apply principles of forest science to optimise forest management practices
FWPFOM5011	Assist with calculating costs and production targets for forestry operations
PSPPCM007	Manage contracts

Supply chain

| FWPFOM5009 | Contribute to management and monitoring of forestry supply chains |

Group B: Fire Management

PUAFIR204*	Respond to wildfire
PUAFIR210	Prevent injury
PUAFIR303*	Suppress wildfire

PUAFIR406*	Develop simple prescribed burn plans
PUAFIR407	Interpret and analyse fire weather information
PUAFIR417*	Supervise machinery use in wildfire operations
PUAFIR501*	Conduct fire investigation and analysis activities
PUAFIR509	Implement prevention strategies
PUAFIR515*	Develop complex prescribed burn plans
PUALAW001	Protect and preserve incident scene
PUAOPE016*	Manage a multi-team sector

Group C: Forest Resource Management

Forest Valuation and Growth Modelling

FWPFRM5004	Contribute to the planning and conduct of forest valuation
FWPFRM5005	Contribute to selection and application of forest growth models

Forest Inventory

CPPSSI4038	Prepare and present GIS data
FWPFRM5001	Interpret and use image data in forestry planning and management
FWPFRM5002	Source information on the contribution of forestry to carbon reduction strategies
FWPFRM5003	Contribute to and implement a forest inventory program
FWPFRM5007	Process and interpret harvester and forwarder optimisation data
FWPFRM5008	Create digital forestry operational map
FWPFRM5009	Create cutting instruction files for forestry harvesters
FWPFRM5010	Plan unmanned aerial vehicle (UAV) collection of forestry data

FWPFRM5011	Quality assure forestry data acquisition by unmanned aerial vehicle (UAV)

Biodiversity management

AHCECR502	Conduct biological surveys
AHCNRM507	Manipulate and analyse data within geographic information systems
AHCWRK508	Interpret legislation
FWPFRM5006	Analyse ecology of commercial native forests and plantations
MSS027014	Apply environmental legislation, codes and standards

Group D: Stakeholder Engagement and Innovation

FWPCOT5213	Contribute to and implement a community engagement plan
FWPCOT5214	Communicate forestry and forest science with stakeholders and the community
FWPCOT5215	Apply innovative thinking to support forestry best practice

Group E: Leadership and Personal Effectiveness

BSBHRM413	Support the learning and development of teams and individuals
BSBLDR413	Lead effective workplace relationships
BSBLDR414	Lead team effectiveness
BSBPEF301	Organise personal work priorities

Prerequisite requirements

Units listed in the *Prerequisite requirement* column that have their own prerequisite requirements are shown with an asterisk (*)

Unit of competency	Prerequisite requirement

PUAFIR204 Respond to wildfire	PUAFIR210 Prevent injury
PUAFIR303 Suppress wildfire	PUAFIR204* Respond to wildfire
PUAFIR406 Develop simple prescribed burn plans	PUAFIR303* Suppress wildfire
PUAFIR417 Supervise machinery use in wildfire operations	PUAFIR303* Suppress wildfire
PUAFIR501 Conduct fire investigation and analysis activities	PUALAW001 Protect and preserve incident scene
PUAFIR515 Develop complex prescribed burn plans	PUAFIR303* Suppress wildfire
PUAOPE016 Manage a multi-team sector	One of the following: PUAFIR302* Suppress urban fire PUAFIR303* Suppress wildfire

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWP50121 Diploma of Forest Operations	FWP50116 Diploma of Forest and Forest Products	Title changed Revised packaging rules and created specialisations to better reflect outcomes Total number of units reduced by 3 units Removed core unit requirements Revised the structure (groups) of the elective units Revised the structure (groups) of the elective	Not equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
		units Added new units and revised existing units	

Links

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