



Australian Government

FWPCOT3306 Rehabilitate tracks, quarries and landings

Release: 1

FWPCOT3306 Rehabilitate tracks, quarries and landings

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to identify and plan for the rehabilitation of tracks, quarries and landings, and to conduct renovation and revegetation operations. The unit also includes the establishment of run-off and drainage channels.

The unit applies to individuals who work as forestry technicians, forestry operations supervisors, mobile plant operators, and harvesting technicians within a commercial forest environment and are responsible for rehabilitation operations.

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

Common Technical (COT)

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 for rehabilitation operations	1.1 Determine job requirements from work order or instruction, and where required, seek clarification from appropriate personnel 1.2 Confirm safety and environmental requirements according to workplace procedures and regulatory and legislative information

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	relating to the rehabilitation of the site 1.3 Identify, assess and take actions to mitigate risks and hazards associated with rehabilitation operations 1.5 Identify and report existing and potential environmental risks and hazards to relevant personnel 1.6 Consult and maintain communication with appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.7 Obtain tools and equipment needed for the work, and check for correct operation and safety 1.8 Inspect site and identify specific rehabilitation, revegetation and drainage requirements
2. Plan rehabilitation operations	2.1 Determine sequence of rehabilitation operations to ensure that resources, including people and equipment, are used efficiently and are available as required 2.2 Advise relevant personnel of impending rehabilitation operations and any disruptions that may occur, according to workplace procedures 2.3 Document the rehabilitation and revegetation works to be undertaken according to workplace procedures
3. Implement repairs to tracks, quarries and landings	3.1 Operate equipment according to manufacturer recommendations, and monitor performance to ensure efficiency and safety of operations 3.2 Remove and store any recoverable timber 3.3 Remove and dispose of any debris according to workplace procedures 3.4 Renovate tracks, quarries and landings according to rehabilitation plan, industry codes of practice, work order and workplace procedures 3.5 Establish run-off and drainage channels to approximate natural drain lines 3.6 Record and report rehabilitation outcomes according to workplace procedures

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 workplace documentation to determine requirements
Writing	Use technical and workplace specific vocabulary to accurately and legibly complete workplace records and forms
Oral communication	- Select and use appropriate spoken communication strategies with work colleagues and other personnel on site - Interpret hand signals with other operators to ensure safety of rehabilitation operations
Numeracy	- Estimate quantity or amount of materials required for the rehabilitation - Estimate time for sequencing tasks and the total time for the job

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3306 Rehabilitate tracks, quarries and landings	FWPCOT3221 Rehabilitate tracks, quarries and landings	Updated and added new Performance Criteria Added new knowledge item Reworded Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent

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 FWPCOT3306 Rehabilitate tracks, quarries and landings

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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:

- planned and implemented one rehabilitation operation involving a track, a quarry or a landing
- followed workplace policies and procedures, current workplace health and safety legislation, regulations and related industry standards and codes of practice applicable to rehabilitation operations.

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:

- industry standards and codes of practice and workplace requirements for performing the rehabilitation of tracks, quarries and landings
- environmental protection requirements, including the safe disposal of waste material related to rehabilitation operations
- problem identification and resolution strategies, and common fault finding techniques related to rehabilitation operations
- tools and equipment used for rehabilitation of tracks, quarries and landings, their suitability for different procedures, and their safe use and maintenance
- mathematical procedures for estimating and measuring tasks, time and resources, including calculating time to complete rehabilitation tasks
- factors to consider in planning rehabilitation operations, which may include some of the following:
 - current state of the track, quarry or landing
 - natural water flow and water courses
 - recoverable logs and equipment
 - the impact of harvesting or transportation

- ground slope and stability
- damage to the environment
- weather conditions
- access to suitable equipment and other resources
- safety
- further damage that may result from renovations
- waste disposal
- procedures for recording and reporting workplace information related to rehabilitation operations
- water run-off patterns, soil types and erosion
- workplace health and safety practices related to rehabilitation operations:
 - manual handling techniques, including shifting, lifting and carrying
 - personal protective equipment (PPE) and clothing
 - techniques for elimination of hazardous materials and substances
- plants suitable for revegetation
- rehabilitation techniques, which may include some of the following:
 - pulling out and removing construction materials
 - breaking up ramps and constructions
 - filling and ripping surfaces
 - breaking up and burying crushed rock, sand and other stabilising materials
 - spreading and compacting top soil over base materials
- techniques for managing environmental risks and hazards related to rehabilitation operations, which may include some of the following:
 - uneven and unstable ground
 - overhead and underground services
 - excavations
 - hazardous materials
 - traffic
 - insects and animals
 - fires.

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 commercial forest setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tracks, quarries or landings requiring rehabilitation
 - machinery and equipment necessary for the rehabilitation operations

- PPE required in rehabilitation operations
- communication system
- specifications:
 - access to workplace safety and environmental policies and procedures applicable to rehabilitation operations
 - access to workplace procedures and forms for recording rehabilitation outcomes
 - access to workplace standard operating procedures or operator manual for machinery and equipment necessary for rehabilitation operations.

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

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