

**Modification history**

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

FWPCOT3XXX	Rehabilitate tracks, quarries and landings
<b>Application</b>	<p>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.</p> <p>The unit applies to those working in commercial harvesting operations, within a forest environment producing forest products.</p> <p>The unit applies to forestry technicians, forestry operations supervisors, mobile plant operators, harvesting technicians.</p> <p>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.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Forest Growing and Management Harvesting and Haulage

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 Review work order or instruction to determine job requirements, and where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with rehabilitation operations 1.4 Identify workplace environmental protection procedures for rehabilitation operations, minimising and disposing of waste material, cleaning tools and equipment, and minimising impact of rehabilitation operations on environmental assets 1.5 Identify and report existing and potential environmental risks and hazards to relevant personnel 1.6 Consult and maintain communication with team members and other 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 Obtain and review environmental, regulatory and legislative information relating to the rehabilitation of the site 1.9 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

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
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, work order and workplace procedures 3.5 Establish run-off and drainage channels to approximate natural drain lines 3.6 Select appropriate plants suited to the location 3.7 Record and report rehabilitation outcomes according to workplace procedures

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Read workplace documentation and understand requirements</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Complete basic written records for rehabilitation operations, equipment faults and maintenance requirements</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Select and use appropriate spoken communication strategies with work colleagues and other personnel on site</li> <li>Interpret hand signals with other operators to ensure safety of rehabilitation operations</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Estimate quantity or amount of materials required for the rehabilitation</li> <li>Estimate time for sequencing tasks and the total time for the job</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
FWPCOT3XXX Rehabilitate tracks, quarries and landings	FWPCOT3221 Rehabilitate tracks, quarries and landings		
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a>		

<b>TITLE</b>	<b>Assessment requirements for FWPCOT3XXX Rehabilitate tracks, quarries and landings</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has planned and implemented one rehabilitation operation involving a track, a quarry or a landing following a work order or instruction that is consistent with workplace policy and procedures and current workplace health and safety legislation, regulations and related industry standards and codes of practice applicable to rehabilitation operations.</p>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• workplace requirements for performing the rehabilitation of tracks, quarries and landings</li> <li>• environmental protection requirements, including the safe disposal of waste material</li> <li>• problem identification and resolution strategies, and common fault finding techniques</li> <li>• tools and equipment used for rehabilitation of tracks, quarries and landings, their suitability for different procedures, and their safe use and maintenance</li> <li>• mathematical procedures for estimating and measuring tasks, time and resources, including calculating time to complete tasks</li> <li>• factors to consider in planning rehabilitation operations: <ul style="list-style-type: none"> <li>• current state of the track, quarry or landing</li> <li>• natural water flow and water courses</li> <li>• recoverable logs and equipment</li> <li>• the impact of harvesting or transportation</li> <li>• ground slope and stability</li> <li>• damage to the environment</li> <li>• weather conditions</li> <li>• access to suitable equipment and other resources</li> <li>• safety</li> <li>• further damage that may result from renovations</li> <li>• waste disposal</li> </ul> </li> <li>• procedures for recording and reporting workplace information</li> <li>• water run-off patterns, soil types and erosion</li> <li>• workplace health and safety practices including: <ul style="list-style-type: none"> <li>• manual handling techniques, including shifting, lifting and carrying</li> <li>• personal protective equipment (PPE) and clothing</li> <li>• techniques for elimination of hazardous materials and substances</li> </ul> </li> <li>• plants suitable for revegetation</li> <li>• rehabilitation techniques: <ul style="list-style-type: none"> <li>• pulling out and removing construction materials</li> <li>• breaking up ramps and constructions</li> <li>• filling and ripping surfaces</li> <li>• breaking up and burying crushed rock, sand and other stabilising materials</li> <li>• spreading and compacting top soil over base materials</li> </ul> </li> <li>• techniques for managing environmental risks and hazards, including: <ul style="list-style-type: none"> <li>• uneven and unstable ground</li> <li>• overhead and underground services</li> <li>• excavations</li> <li>• hazardous materials</li> <li>• traffic</li> <li>• insects and animals</li> <li>• fires.</li> </ul> </li> </ul>	

<b>Assessment Conditions</b>	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions skills must be demonstrated in a workplace location or an environment that accurately represents workplace conditions</li> <li>• resources, equipment and materials:                             <ul style="list-style-type: none"> <li>• tracks, quarries or landings requiring rehabilitation</li> <li>• machinery and equipment necessary for the rehabilitation operations</li> <li>• PPE required in rehabilitation operations</li> <li>• communication system</li> </ul> </li> <li>• specifications                             <ul style="list-style-type: none"> <li>• access to work order or instruction detailing rehabilitation operations to be carried out by operator</li> <li>• access to workplace policies and procedures which cover current workplace health and safety regulations and related industry standards and codes of practice applicable to rehabilitation operations</li> <li>• access to workplace policies and procedures which cover off on current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to rehabilitation operations</li> <li>• access to workplace safety and environmental protection plans</li> <li>• access to site emergency procedure</li> <li>• access to workplace standard operating procedures or operator manual for machinery and equipment necessary for rehabilitation operations.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a>