



Australian Government

FWPFGM3209 Construct and maintain forest roads and tracks

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent FPIFGM3209B Construct and maintain forest roads and tracks, which was first released with FPI11 Forest and Forest Products Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to plan, construct and maintain roads and tracks in a forest environment. It includes monitoring road or track conditions and coordinating maintenance work.

The unit applies to Bulldozer operator, Forestry technician, Harvesting technician, Mobile Equipment operator.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states & territories at the time of publication, and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Forest Growing and Management

Harvesting and Haulage

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Plan road or track	1.1 Obtain topographical map of area and assess details in relation to environmental management considerations. 1.2 Identify and confirm construction requirements with appropriate personnel. 1.3 Plan road or track including drainage and entry points that provide

	vehicle and equipment access, turning and loading space. 1.4 Prepare forest road or track construction plan that includes timelines, resources and equipment, in line with organisational practices
2. Construct road or track	2.1 Establish line of road and remove obstacles in line with plans. 2.2 Establish and maintain communication with others to ensure safe work. 2.3 Remove soil to establish base that has suitable width, slope and stability. 2.4 Construct water crossing points and drains in line with environmental requirements and site procedures. 2.5 Prepare and construct intersection points to provide suitable entry and exit levels and control water flow. 2.6 Place pipes or culverts and backfill and compact, in line with predicted water volume. 2.7 Transfer, spread and compact base and surface material to meet planned road or track design. 2.8 Control and manoeuvre equipment to compact road material and stabilise adjacent soil during construction. 2.9 Prepare road or track surface suitable for moving logs, and for the manoeuvre and traction of equipment.
3. Maintain road or track	3.1 Monitor condition of road or track to identify specific damage likely to lead to safety or environmental issues and report to appropriate personnel. 3.2 Redesign and remake areas of consistent damage with assistance from appropriate personnel. 3.3 Plan and carry out maintenance with minimal disruption to other work activities. 3.4 Record and report construction operations and maintenance in line with site procedures.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	calculate quantities of required material to construct and maintain tracks and roads.
Writing skills to:	prepare construction and maintenance plan and report on work

	activities.
Planning and organising skills to:	• prepare a plan, and the resources and materials for the construction and maintenance of a forest road or track.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM3209B Construct and maintain forest roads and tracks.

Links

Companion Volume implementation guides are found in VETNet -

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