



Australian Government

FWPCOT3224 Plan and monitor equipment maintenance

Release: 1

FWPCOT3224 Plan and monitor equipment maintenance

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3224B Plan and monitor equipment maintenance, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to establish a routine maintenance plan, and facilitate repairs for equipment.

The unit applies to people working in a broad range of roles across different forest and forest product industry sectors.

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

Pre-requisite Unit

Nil

Unit Sector

Forest Growing and Management

Harvesting and Haulage

Sawmilling and Processing

Timber Manufactured Products

Timber Merchandising

Wood Panel Products

Timber Truss and Frame Design and Manufacture

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>
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1. Plan routine maintenance	1.1 Review routine servicing requirements of site equipment, and prepare maintenance schedules. 1.2 Determine and organize tools, equipment and material requirements for maintenance work. 1.3 Plan, schedule and communicate maintenance procedures to appropriate personnel. 1.4 Assign roles and responsibilities to personnel who hold required skills and expertise 1.5 Plan maintenance processes in line with site procedures and environmental requirements, and modify in response to changes in equipment, personnel and site condition.
2. Monitor equipment operation	2.1 Conduct work according to work order. 2.2 Check site servicing and maintenance records for completeness and abnormal activity. 2.3 Maintain stock levels of routine service items, and minor repair components, to maximise availability and optimum operational performance of equipment. 2.4 Monitor equipment operation and identify operating faults and frequent or recurring breakdowns. 2.5 Obtain expert advice and specialist assistance when required, according to site procedures. 2.6 Review condition of equipment and ensure and efficient operation.
3. Facilitate equipment repair	3.1 Conduct visual inspection and fault finding procedures. 3.2 Diagnose and report faults, malfunctions or problems with equipment. 3.3 Assess equipment breakdowns and select and organise suitable repairs. 3.4 Organise movement of equipment to suitable repair site. 3.5 Monitor and modify repair procedures as required. 3.6 Periodically review and revise maintenance schedule to maintain operational integrity. 3.7 Deal with equipment that cannot be repaired in line with site procedures, manufacturer recommendations and environmental requirements. 3.8 Complete and maintain accurate records and reports for equipment repair and maintenance

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:	• measure and replace fluids.
Reading skills to:	• read manufacturer's manuals and site procedures
Planning and organising skills to:	• arrange efficient repairs and minimise disruptions.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3224B Plan and monitor equipment maintenance

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for FWPCOT3224 Plan and monitor equipment maintenance

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	Replaces equivalent unit FPICOT3224B Plan and monitor equipment maintenance, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- develop and implement a plan for equipment maintenance that includes
 - equipment maintenance and repair needs
 - current operational conditions
 - current work patterns
 - disposal of contaminants and waste
- perform maintenance procedures including:
 - visual inspections
 - pre-start check
 - shutdown checks
 - removing and replacing parts or components
 - facilitating equipment repairs.
- undertake routine repairs of faulty equipment.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- safe disposal of waste materials from equipment repairs
- safe use and storage of chemicals used for the maintenance and repair of equipment
- protective equipment and safety procedures for working with equipment

- organisational and site standards, policies and procedures for planning and monitoring equipment maintenance
- problem identification and resolution strategies, including typical breakdown situations and available options for correction
- Assessment of equipment breakdown including:
 - nature
 - cause
 - seriousness
 - likely repair requirements
 - potential for further damage and personal injury
 - availability of alternatives
 - reference to manufacturer's instructions
- tools used for maintenance of equipment and procedures for their safe use and maintenance
- range of site equipment and respective technical capabilities and limitations
- routine maintenance requirements for site equipment
- procedures for recording and reporting workplace information.

Assessment Conditions

The following resources must be made available:

- materials and equipment relevant to the site and work role of the candidate
- manufacturer's instructions for these pieces of equipment
- site policies and procedures for maintaining equipment
- personal protective equipment.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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