



Australian Government

FWPCOT3335 Conduct operator level equipment maintenance in forest and wood products industry

Release: 1

FWPCOT3335 Conduct operator level equipment maintenance in forest and wood products industry

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Application

This unit of competency describes the skills and knowledge required to complete shutdown procedures, inspections, maintenance and routine fault repairs for equipment used in forest or wood products operations.

The unit applies to production operators who undertake routine maintenance tasks for equipment in forest and wood product work settings.

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 routine maintenance of forest or wood product equipment	1.1 Confirm routine maintenance requirements of site equipment using workplace maintenance and servicing schedules and manufacturer specifications, and, where required, seek clarification from appropriate personnel

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Confirm workplace health and safety and environmental protection practices and/or procedures for task 1.3 Identify and assess hazards and take actions to mitigate risks related to equipment maintenance work 1.4 Select and fit personal protective equipment required for task 1.5 Review information on prior equipment operation faults, malfunctions and frequent or recurring breakdowns 1.6 Plan sequence of maintenance activities, if required, to provide reliable equipment performance with minimal disruption to production
2. Shut down and isolate forest or wood product equipment	2.1 Implement equipment shutdown and isolation procedure according to manufacturer instructions and workplace procedures 2.2 Check equipment is depressurised, emptied, de-energised or bled according to manufacturer instructions 2.3 Install required safety and/or security lock-off devices and signage according to manufacturer instructions and workplace procedures 2.4 Conduct tests to ensure equipment is safely shut down and isolated according to manufacturer instructions and workplace procedures 2.5 Confirm shutdown and isolation complies with health and safety, legislative and regulatory requirements
3. Carry out routine maintenance of forest or wood product equipment	3.1 Inspect equipment and components to identify faults according to workplace procedure and routine maintenance requirements 3.2 Assess nature of equipment faults and maintenance or repairs required 3.3 Rectify routine faults and refer complex faults to relevant personnel according to workplace procedures
4. Complete routine maintenance of forest or wood product equipment	4.1 Dispose of non-repairable equipment or components according to workplace procedures, manufacturer recommendations and environmental protection requirements 4.2 Complete repair and maintenance records and reports according to workplace requirements

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 terminology in equipment operation and maintenance documents
Writing	Complete routine records related to equipment service and repair
Oral communication	Use open and closed questions and actively listen to clarify equipment servicing requirements
Numeracy	- Perform routine measurements and calculations used in equipment maintenance - Interpret numerical and graphical information relevant to equipment maintenance - Interpret units of measurement used in equipment maintenance

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3335 Conduct operator level equipment maintenance in forest and wood products industry	FWPCOT3224 Plan and monitor equipment maintenance	Unit redesigned to emphasise operator level equipment maintenance, including the addition of a new Element 2 for shutting down and isolating equipment Includes content from previous unit Major changes to all sections of the unit	Not 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 FWPCOT3335 Conduct operator level equipment maintenance in forest and wood products industry

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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:

- completed inspections for two components of one item of forestry or wood products equipment as part of preventative maintenance
- conducted shutdown or isolation of one item of forestry or wood products equipment
- completed three basic non-specialist repairs selected from the list below for one item of forestry or wood products equipment as part of preventative maintenance:
 - cleaning
 - oil top-ups
 - processing tools changes
 - filter changes or cleaning
 - greasing
 - lubricating
 - pressure checks
 - removing and replacing machinery components
 - tightening, tensioning and adjusting equipment components
 - maintaining or replacing consumables
- completed records and reports on the repair and maintenance of the item of equipment.

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:

- purpose, features and operation of forest or wood products equipment used at worksite, including respective technical capabilities and limitations
- importance of preventative maintenance

- components of forest or wood products equipment that increase the risk of breakdown and frequently malfunction
- techniques and requirements for checking components of forest or wood products equipment as part of preventive maintenance at worksite
- equipment isolation and shutdown procedures for equipment used in forest and wood products operations, including:
 - reasons, procedures and safety precautions for shutting down and isolating equipment
 - run down time
 - situations in which shutdown and isolation of equipment is required, including inspections, repairs, maintenance, assessments, adjustments and cleaning
 - reasons and procedures for purging, depressurising, emptying, de-energising or bleeding equipment
 - reasons and procedures for verifying equipment shutdown and isolation
 - legislation, regulations and Australian Standards pertaining to isolation and shutdown
 - types of safety/security lock-off devices and signage
 - reasons and procedures for installing lock-off devices and signage
- basic non-specialist repair and maintenance techniques for forest or wood products equipment, including:
 - cleaning
 - oil top-ups
 - processing tools changes
 - filter changes or cleaning
 - greasing
 - lubricating
 - pressure checks
 - removing and replacing equipment components
 - tightening, tensioning and adjusting equipment components
 - maintaining or replacing consumables
- procedure for assessing the nature of forest or wood products equipment faults, including:
 - cause
 - seriousness
 - likely repair requirements
 - potential for further damage and personal injury
 - availability of alternatives
 - reference to manufacturer instructions
- safe handling and disposal of waste materials, including lubricants, according to environmental protection requirements and practices
- workplace procedures relevant to preventative maintenance of forest or wood products equipment, including:
 - standard operating procedures

- health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment and handling hazardous substances
- communication reporting lines
- recording and reporting equipment faults, repair and maintenance actions.

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 timber processing plant, a timber product manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - equipment items used at forest and wood product worksite to meet requirements specified in the performance evidence
 - manufacturer instructions for items of equipment
- specifications:
 - workplace procedures for maintaining forest or wood products equipment
 - workplace health and safety and environmental protection policies and/or procedures applicable to forest or wood products equipment maintenance.

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

Links

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