



Australian Government

FWPCOT5203 Manage installation and commissioning of equipment

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT5203B Manage installation and commissioning of equipment, 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 plan and manage the installation and commissioning of equipment to ensure compliance with budgetary, legal and contractual requirements.

The unit applies to managers or supervisors of timber manufacturing facilities where acquisition of new equipment is required to update or extend existing production targets.

Licensing, legislative, regulatory or certification requirements apply to this unit but may differ according to state or territory jurisdiction. Refer to state or territory licensing body.

Pre-requisite Unit

Nil

Unit Sector

Timber Manufactured Products

Sawmilling and Processing

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. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare installation	1.1 Prepare written plan for installation and commissioning of

ELEMENTS	PERFORMANCE CRITERIA
plan	specified equipment including management and reporting procedures. 1.2 Check equipment specifications for intended operating conditions and document specifications.
2. Coordinate and monitor installation compliance	2.1 Coordinate arrangements for installing and commissioning equipment including required legal, insurance and safety requirements. 2.2 Coordinate contract arrangements for installation and commissioning of equipment in line with organisational procedures. 2.3 Monitor installation process, including testing, and ensure compliance with contractual requirements. 2.4 Address variations to ensure installation meets specification requirements.
3. Manage installation schedules, legalities and budgets	3.1 Monitor and ensure compliance with legal, environmental and organisational safety procedures for installing and commissioning equipment and systems. 3.2 Monitor installation process to ensure compliance with installation specifications, schedule and budget. 3.3 Adjust budget and scheduling processes in line with variations. 3.4 Document and report deviations to appropriate personnel. 3.5 Document administration of regulatory requirements using formal organisational processes.
4. Conduct trials to confirm operating status of equipment	4.1 Trial run equipment operations and evaluate performance against requirements. 4.2 Adjust equipment to achieve performance outcome specifications. 4.3 Match equipment operating requirements to employee duties and communicate to appropriate personnel. 4.4 Complete and process appropriate records, including maintenance and machine specification documentation. 4.5 Assess completed work to confirm required specifications have been met. 4.6 Prepare records and reports on completed work in line with organisational 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:	interpret and calculate complex numerical data in equipment specifications and budgets.
Reading skills to:	interpret complex information in source documents including equipment specifications, testing requirements and supply contracts.
Writing skills to:	develop and document comprehensive installation and commissioning plans and reports.
Planning and organising skills to:	- source, collect and organise data to inform installation and commissioning plans - plan and manage own timing and productivity to manage installations.
Problem-solving skills to:	analyse budgetary and scheduling problems, consider various solutions and determine variations.
Technology skills to:	use a computer, keyboard and software to prepare plans and reports.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT5203B Manage installation and commissioning of equipment

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 FWPCOT5203 Manage installation and commissioning of equipment

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1	Replaces equivalent unit FPICOT5203B Manage installation and commissioning of equipment, 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 comprehensive written plans for the installation and commissioning of equipment
- demonstrate how to commission equipment in line with the above plans including relevant legal, financial and technical documentation
- develop a comprehensive in-house maintenance schedule for equipment to be commissioned.

Knowledge Evidence

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

- legal, safety and insurance requirements for installing and commissioning equipment
- typical types of equipment subject to installation and commissioning and time taken to complete processes
- typical schedule of processes required to install and commission equipment:
 - installation
 - alignment and adjustment

- testing
- operator training
- format and content of budgets for installation and commissioning of equipment
- format, content and use of:
 - plans for installation and commissioning of equipment
 - in-house maintenance specifications for equipment
- key components of contracts with suppliers:
 - terms and obligations of parties
 - terms of trade
 - exclusion clauses
 - dispute resolution clauses
 - termination of contracts
- typical services provided by suppliers of new equipment:
 - installation
 - alignment and adjustment
 - testing
 - operator training
 - backup support
- organisational procedures for documenting plans and reports.

Assessment Conditions

The following resources must be made available:

- computers, keyboards, printers and software used to document plans and reports
- comprehensive information about the equipment to be commissioned and installed to determine plans and testing requirements
- budgets for installation and commissioning of equipment
- supplier contracts
- template in-house maintenance specifications for equipment
- template plans for installation and commissioning of equipment
- organisational procedures for documenting plans and reports.

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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