



Australian Government

FWPCOT3298 Produce templates

Release: 1

FWPCOT3298 Produce templates

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Application

This unit of competency describes the outcomes required to produce templates that assist with the operation of static machines and computer numerically controlled (CNC) equipment used to produce shaped, tapered or moulded products.

The unit applies to individuals who produce templates for static CNC equipment used in a timber processing or manufacturing facility.

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 work	1.1 Review work order 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, equipment lock-out and safe manual handling techniques

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify, assess and take actions to mitigate risks and hazards associated with producing templates 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency
2. Plan template production	2.1 Identify type and quantity of required templates, and plan process in line with work order 2.2 Select template material of appropriate size, strength and flexibility for equipment use 2.3 Interpret drawings and specifications for templates and equipment application 2.4 Measure and plot dimensions, maintaining correct angles, arcs and curves to produce pattern 2.5 Check pattern dimensions, shape and measurements against drawings and specifications through visual inspection 2.6 Select tools and equipment required for template production, and check for serviceability
3. Produce templates	3.1 Use equipment according to workplace safety procedures, manufacturer instructions and environmental protection practices 3.2 Construct template using patterns to ensure accurate outcomes 3.3 Position hardware so that it does not affect or obstruct equipment use 3.4 Date and sign template patterns and make detailed notations for use 3.5 Dispose of rejected templates and off-cuts according to workplace procedures and environmental protection practices 3.6 Store plans according to workplace procedures 3.7 Record and report production outcomes and equipment faults to appropriate personnel

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
Numeracy	- Extracts detailed numerical production data from work orders, drawings and specifications - Counts quantities of materials and hardware components, and selects appropriate sizes - Precisely measures and checks angles, arcs and curves against specifications
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3298 Produce templates	FWPCOT3237 Produce templates	Updated performance criteria to reflect environmental and workplace health and safety requirements; separated performance criteria into a new element and reworded the other elements; updated foundation skills; updated performance evidence to map to performance criteria; updated unit code to reflect changes and meet compliance	Equivalent unit

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 FWPCOT3298 Produce templates

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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, on at least one occasion, the individual has:

- produced templates according to the work order and product requirements
- in doing the above job, the individual has:
 - read and clarified work order for producing templates
 - applied workplace health and safety requirements, including use of personal protective equipment (PPE) and safe manual handling techniques, throughout the work
 - planned production of template
 - recorded and reported production outcomes and equipment faults to appropriate personnel.

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:

- key features of patterns and templates and their purpose
- types and key features of equipment that are assisted by templates
- types and key features of shaped, tapered or moulded products produced with the assistance of templates
- characteristics of materials used for templates and how these affect template use:
 - strength
 - direction of grain
 - hardness
 - flexibility
- typical assembly sequences and range of techniques used to produce templates
- purpose, features and operation of equipment used to assemble templates
- purpose, features and use of assembly componentry
- types of risk and hazards and mitigation measures associated with producing templates

- workplace procedures specific to producing templates:
 - workplace health and safety, with particular emphasis on equipment lock-out, use of PPE and safe manual handling techniques
 - communication reporting lines
 - recording and reporting production outcomes and equipment faults
- environmental protection practices for producing templates:
 - reducing water and energy use
 - disposing of, recycling and reusing timber and other waste.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - measuring equipment
 - patterns
 - assembly equipment
 - PPE suitable for use in producing templates
 - consumable metal and ply suitable for pattern preparation
 - consumable materials suitable for templates
 - consumable nails, screws and adhesives
- specifications:
 - template documents for recording production outcomes and equipment faults
 - manufacturer instructions for equipment use
 - work order, drawings and specifications for template production
 - workplace procedures for producing templates.

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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