



Australian Government

MSFFDM4015 Produce patterns and templates

Release: 1

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Modification History

Release 1. Unit code and Application changed. Performance Criteria simplified and changed to active voice. Range of Conditions removed with relevant information moved to assessment requirements. Assessment Requirements changed to remove duplication with Performance Criteria. Supersedes and is equivalent to MSFDN4003 Produce patterns and templates.

Application

This unit describes the skills and knowledge required to plan process and plot dimensions to develop patterns and/or templates for production processes using both hand tools and computer-assisted production.

This unit applies to individuals working in design and manufacturing roles who produce patterns and templates, either alone or as part of an internal or external team.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Design documentation and machine interface

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 and dimension the task	1.1 Identify and follow work health and safety requirements 1.2 Correctly interpret customer orders to establish required sizes of finished products 1.3 Check size requirements in relation to production process and finishing capacity of workplace
2. Plan process	2.1 Identify material for pattern or template for approximate size and characteristics 2.2 Identify, locate and assemble required instruments and equipment 2.3 Correctly interpret drawings and related specifications 2.4 Check procedures for using pattern development instruments and tools and prepare equipment for use

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Plot dimensions	3.1 Use equipment and tools in accordance with procedures 3.2 Measure, explode and plot each dimension maintaining appropriate angles, arcs and curves 3.3 Use visual inspection and measurements to compare pattern dimensions and shapes with drawings and specifications
4. Complete pattern or template	4.1 Complete pattern or template ensuring that pattern indicates completion date and original drawing details 4.2 Obtain required approvals of pattern or template 4.3 Mark plans with notations for workplace requirements, including authorship, process or customer requirements, authorisation and any review dates 4.4 Copy and file plans in accordance with workplace policies and procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Numeracy skills to interpret technical information and perform calculations including measurements.
- Reading skills to interpret job requirements.
- Writing skills to document requirements.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSFDN4003 Produce patterns and templates.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>