



Australian Government

Assessment Requirements for FBPSUG2027

Perform general lathe operations

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

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 performed general lathe operations in line with workplace contexts and demonstrated each of the following points at least once:

- identified machining requirements
- collected and prepared materials
- safely set up the lathe and conducted pre-operational checks on equipment
- selected, fitted and used personal protective equipment (PPE)
- operated, monitored and adjusted process and equipment during parallel cutting, parting off, drilling, tapping and knurling
- measured components using rulers, calipers and dividers, vernier calipers and micrometers
- confirmed that work conforms to specification
- safely shut down the lathe
- maintained workplace cleaning standards
- reported health and safety risks and maintenance requirements in the workplace.

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:

- principles and practices for performing general lathe operations
- site operating procedures and practices for lathe operations
- purpose and operating principles of lathe and accessory equipment, including equipment operating capacities
- care, maintenance and storage of tooling, accessories and measuring equipment for lathe operations
- scope to adjust machining parameters, and related effect on outcome
- the impact of speeds, feeds, coolant, cutting lubricant and materials on tool life

- safe work procedures, including awareness of hazards related to the operation of the lathe and related equipment
- workplace cleaning standards for the work area.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a sugar milling workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE
 - lathe and related tooling and equipment
 - relevant measuring instrumentation
 - materials for machining
 - drawings, templates and specifications as required
- specifications:
 - equipment operating procedures and related safety information
 - workplace cleaning standards and procedures.

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

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>