



Australian Government

FBPOPR1016 Take and record basic measurements

Release: 1

FBPOPR1016 Take and record basic measurements

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to use basic measuring equipment and devices, and read and record the results.

This unit applies to individuals who work alongside a supervisor in most situations and exercise limited autonomy. Applications include simple tests that involve automated measuring devices.

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

Operational (OPR)

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. Identify measurement requirements	1.1 Identify the purpose of the measuring task 1.2 Identify measuring requirements, including frequency and accuracy range 1.3 Confirm that measuring equipment is available and fit for purpose

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Take measurements	2.1 Carry out measuring tasks to requirements and according to safe work practices 2.2 Check measurement results for accuracy 2.3 Identify non-standard or out-of-range results, and report to supervisor 2.4 Record the results of measurements in the required format

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	• Measure length (mm, cm, m, km), weight (mg, g, kg, tonne), volume (ml, L), time (sec, min, H) and temperature (°C) • Measure rates per hour (or nominated time) • Identify measurements to two decimal points • Estimate measurements to check accuracy • Read gauges and scales

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPOPR1016 Take and record basic measurements	FBPOPR1008 Take and record basic measurements	Application of unit clarified Minor change to Performance Criteria Foundation Skills refined Performance Evidence and Knowledge Evidence clarified	Equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
		Minor changes to Assessment Conditions	

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>

Assessment Requirements for FBPOPR1016 Take and record basic measurements

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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 taken and recorded basic measurements for different purposes, including:

- estimating and accurately measuring length, weight, volume, flow and time using the correct units
- using at least three different items of measuring 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 of measuring as applied to work responsibilities, and related measuring equipment and units of measurement, including the required accuracy of the measurement and the capability/accuracy level of equipment used
- measuring equipment/device preparation requirements and purpose, including calibration requirements and responsibilities for maintaining accurate measuring equipment/devices
- health and safety hazards associated with using the measuring equipment/device, and related safe operating procedures
- typical/required range for measurement results
- common factors and conditions that could affect the measurement result
- procedures to follow where measurements are out of range, such as repeating the measurement one or more times
- consequences of measurements that are out of range
- responsibilities to report measurement information.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - measuring equipment/devices
 - materials/items to be measured
 - recording and reporting system
- specifications:
 - safe work procedures.

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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