



**Australian Government**

# **FBPOPR4001 Apply principles of statistical process control**

**Release: 1**

# FBPOPR4001 Apply principles of statistical process control

## Modification History

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

## Application

This unit of competency describes the skills and knowledge required to collect statistical information and interpret data in order to inform work processes.

This unit applies to individuals who are required to collect, interpret and record data to inform work. This typically includes plotting data on run charts and statistical process control (SPC) charts; and identifying trends and variations according to given limits.

No occupational 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. Collect statistical information	1.1 Identify data collection requirements and confirm with supervisor 1.2 Gather data using available collection equipment 1.3 Accurately record data to meet data collection requirements
2. Interpret data	2.1 Analyse data to identify variations and trends 2.2 Carry out calculations to determine unknown values 2.3 Determine corrective action requirements based on data

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	2.4 Document and store data according to workplace requirements

## 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.*

<b>Skill</b>	<b>Description</b>
Numeracy	<ul style="list-style-type: none"> <li>Use statistical analysis techniques to calculate, compare and manipulate data</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Record data and present information in required format</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Make decisions based on analysis of available data</li> <li>Use manual and computer-based methods to interpret data and identify trends</li> </ul>

## Unit Mapping Information

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
FBPOPR4001 Apply principles of statistical process control	FDFOP2015A Apply principles of statistical process control	<p>Updated to meet Standards for Training Packages</p> <p>Unit code updated to reflect AQF level</p> <p>Minor changes to Performance Criteria to clarify intent.</p> <p>Prerequisite removed.</p>	Equivalent unit

## **Links**

Companion Volume Implementation Guides are found in VETNet: -

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