



**Australian Government**

# **Assessment Requirements for MSS404056**

## **Apply statistics to operational processes**

**Release: 1**

# Assessment Requirements for MSS404056 Apply statistics to operational processes

## Modification History

Release 1. Unit code changed. Application changed. Foundation Skills populated. Assessment Requirements changed. Supersedes and is equivalent to MSS404054 Apply statistics to operational processes.

## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- collect and interpret process data and apply to control of at least 2 operational processes
- calculate control limits and plot control charts for at least 2 operational processes.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- purpose of sampling and measurement
- sampling methods to be used
- methods of calculating mean and standard deviation and their purpose in statistical control
- concept of limits, including 1, 2, 3 and 6 sigma limits
- types of control charts and their applications to different types of process and product and for different purposes
- process causes of variation and typical cause types of non-random variation
- non-process causes of variation
- stable and unstable processes
- causes of stability and instability in the process
- calculation of control limits and process capability and the applications of different control limits
- standard distribution curve and confidence limits.
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## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources
- modelling of industry operating conditions, including:
  - functioning statistical process control processes and related procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## **Links**

Companion Volume Implementation Guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>