Australian Government

Assessment Requirements for FBPFST5002 Identify and implement required process control for a food processing operation

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Modification History

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

Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit.

There must be evidence that the individual has determined the required process control for at least one food processing operation, including:

- analysing process control methods used to achieve the food safety, quality and production standards
- selecting process control mechanisms and processes appropriate to the food production operation
- adjusting procedures to deal with non-conformance
- determining data collection requirements
- monitoring data collection to ensure it is timely, relevant and accurate
- calculating, analysing and verifying relevant statistical measures
- conducting a trend analysis of food processing data
- communicating control requirements to staff
- forming conclusions from statistics-based process control information.

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:

- the basic operating principles of equipment and accessories used in food production processes and systems
- different types of processes used in food production systems
- the inter-relationships between food processing stages and the effect of variation in processing parameters on process outcome and on final product
- specific plant process operations
- emergency shutdown procedures

- instrumentation and control systems
- the operation process control mechanisms in the relevant processing operation
- typical instrumentation used for process control in the relevant processing operation
- product specifications and tolerances
- system operating parameters
- data collection requirements for process control mechanisms
- methods used for statistical analysis of process control data
- reporting requirements for process control outcomes
- health and safety in the workplace hazards and controls relating to work processes.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a workplace setting or an environment that accurately represents a real workplace
- resources, equipment and materials:
  - production process and related equipment, manufacturers' advice and operating procedures
  - methods and related software systems for collecting data and calculating yields, efficiencies and material variances appropriate to production environment
- specifications:
  - tests used to report relevant product/process information and recorded results.

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