



**Australian Government**

# **Assessment Requirements for FBPFST5001 Monitor refrigeration and air conditioning systems in food processing**

**Release: 1**

## Assessment Requirements for FBPFSST5001 Monitor refrigeration and air conditioning systems in food processing

### 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 monitored refrigeration and/or air conditioning systems in food processing on at least one occasion, and:

- identified characteristics of a refrigeration system in the production of food products
- interpreted the function of key components in a refrigeration system
- appraised the performance of a refrigeration system in the production process
- identified the common forms of air conditioning systems used in the production of food products
- recognised common faults and identified how the faults should be rectified.

### 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:

- refrigeration systems in the production of food products
- refrigerants and their properties
- function of key components in a refrigeration system
- common forms of air conditioning systems used in the production of food products
- elements and uses of psychrometric charts
- energy efficiency and environmental impacts of refrigeration and air conditioning systems
- 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:
  - refrigeration and air conditioning systems and related equipment, manufacturers' advice and operating procedures
- specifications:
  - operating system data.

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>