



Australian Government

AMPX309 Identify and repair equipment faults

Release: 1

AMPX309 Identify and repair equipment faults

Modification History

Release	TP Version	Comment
1	AMPv1.0	Initial release

Application

This unit describes the skills and knowledge required to locate and repair or replace faulty components of equipment in accordance with agreed upon workplace practices.

This unit must be delivered in the context of Australian meat processing standards and regulations.

All work should be carried out in accordance with the appropriate Australian standard.

All work should be carried out to comply with workplace requirements and regulatory requirements.

This unit applies to individuals who work under broad direction and take responsibility for their own work, including limited responsibility for the work of others. They provide and communicate solutions to a range of predictable problems.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Locate equipment faults	1.1 Monitor unit or sub-system performance to identify presence of actual and potential faults 1.2 Monitor built in test functions, fault indicators, alarms and error codes and check and review appropriate maintenance records 1.3 Detect equipment faults using established fault diagnoses

Element	Performance criteria
	techniques and procedures 1.4 Record and/or report faults according to standard procedures
2. Repair and/or replace faulty equipment components	2.1 Isolate equipment according to standard procedures in preparation for component repair or replacement 2.2 Remove faulty components using appropriate tools and techniques in accordance with standard procedures 2.3 Repair and/or replace faulty components in accordance with manufacturer's specifications and standard procedures 2.4 Check and test unit, sub-system or system to confirm that maintenance has been completed to specifications 2.5 Use tools according to manufacturer's specifications to achieve desired outcomes 2.6 Dispose of waste arising from maintenance according to waste management requirements 2.7 Record maintenance information in the company reporting system

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

MTMS306B Identify and repair equipment faults	E
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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5e2e56b7-698f-4822-84bb-25adbb8443a7>

Assessment Requirements for AMPX309 Identify and repair equipment faults

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Performance Evidence

The candidate must be observed locating and repairing or replacing faulty equipment in accordance with agreed upon workplace practices. Evidence must demonstrate the candidate's consistency of performance over time.

The candidate must:

- prepare equipment and work area to conduct maintenance
- wear personal protective clothing for maintenance work
- apply relevant regulatory requirements
- follow instructions in undertaking agreed maintenance task
- diagnose and repair or replace faulty equipment according to workplace health and safety, hygiene and sanitation, workplace requirements and manufacturer's specifications
- apply fault diagnosis techniques and procedures
- demonstrate the use of common hand and power tools for component repair or replacement
- verify completion of repair or replacement
- clean maintenance tools or equipment
- maintain a clean and safe work area
- pack or store tools in designated location
- apply relevant communication and mathematical skills including reporting and describing faults, calculating weights, measures, quantities and time
- seek advice from others and relevant sources, including manuals, to learn new skills and techniques

Knowledge Evidence

The candidate must demonstrate a factual, technical, procedural and theoretical knowledge of:

- common problems in conducting maintenance
- consequences of incorrect or inadequate maintenance
- environmental aspects related to maintenance
- equipment isolation requirements

- food safety factors in maintaining equipment
- workplace health and safety hazards and controls
- purpose and use of common hand and power tools for component repair or replacement
- fault diagnosis techniques and procedures
- purpose of routine preventative maintenance
- quality parameters to be achieved
- recording or reporting systems and processes
- relationship of maintenance to other work activities in the meat or enterprise plant
- roles of and relationships with others involved in carrying out maintenance functions
- services used in maintenance
- significance of minimising equipment down time
- waste handling requirements
- relevant regulatory requirements

Assessment Conditions

Competency must be demonstrated over time and under typical operating and production conditions for the enterprise.

Assessment must occur in the workplace under normal operating and production conditions.

As a minimum, the following three forms of assessment must be used:

- quiz of underpinning knowledge
- workplace demonstration
- workplace referee or third-party report of performance over time

Assessors must satisfy current standards for RTOs.

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