



Australian Government

MSMSUP240 Undertake minor maintenance

Release: 2

MSMSUP240 Undertake minor maintenance

Modification History

Release 2. Equivalent. Range of conditions removed. Duplication between Performance Evidence and Performance Criteria removed. Assessment conditions updated.

Release 1. Supersedes and is equivalent to MSAPMSUP240A Undertake minor maintenance.

Application

This unit describes the skills and knowledge required to undertake minor maintenance and solve routine problems to procedures. Minor maintenance can include operational maintenance, general cleaning, part removal and part replacement and other activities that do not require a trade qualification.

This unit applies to an individual working alone or as part of a team or group and working in liaison with other shift team members and the control room operator, as appropriate.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must also be applied.

Pre-requisite Unit

Nil

Unit Sector

Support

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. Identify maintenance requirements	1.1 Identify equipment variations and/or irregularities using observed data and plant records 1.2 Assess the urgency and priority of the situation 1.3 Identify appropriate corrective action 1.4 Identify correct tools and materials 1.5 Assess the impact of the maintenance activity and communicate to appropriate personnel 1.6 Identify hazards and risk controls

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.7 Identify work permit requirements
2. Prepare for maintenance activity	2.1 Ensure equipment is turned off and isolated according to procedures 2.2 Clear the area of obstructions and hazardous materials 2.3 Obtain appropriate tools, parts, materials and procedures 2.4 Obtain the appropriate work permits and adhere to the requirements 2.5 Communicate the impending maintenance activity to the appropriate personnel
3. Perform maintenance activity	3.1 Access all relevant information 3.2 Undertake maintenance activity according to procedures 3.3 Use tools and maintenance techniques correctly 3.4 Restore equipment to normal working condition 3.5 Leave the work area in a clean and safe condition 3.6 Ensure permits are signed-off as appropriate
4. Test equipment	4.1 Test equipment according to procedures 4.2 Return equipment to service 4.3 Ensure equipment meets normal operating requirements
5. Record maintenance activity	5.1 Complete maintenance logs and/or plant history records 5.2 Report maintenance activity to relevant personnel 5.3 Identify and report outstanding maintenance requirements to relevant personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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

Unit Mapping Information

Release 2. Supersedes and is equivalent to MSAPMSUP240A Undertake minor maintenance.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>

Assessment Requirements for MSMSUP240 Undertake minor maintenance

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Performance Evidence

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

- undertaken at least 1 minor maintenance activity, including:
 - using available data and records to recognise fault and no-fault conditions in standard and non-standard situations
 - applying operational guidelines and known solutions to correct variations and/or irregularities
 - applying approved hazard control, work permit and safety procedures.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of operation of the equipment to be maintained
- function and troubleshooting of major internal components and their problems
- appropriate testing procedures and use of equipment for a range of equipment faults
- typical causes of equipment failures and the service conditions which may increase maintenance
- types and nature of maintenance (preventative, predictive, corrective) uses, benefits and limitations
- factors that may affect product quality or production output and appropriate remedies.
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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, including:
 - maintenance documentation, guidelines, procedures and schedules, including data and plant records
 - maintenance tools and equipment, including personal protective equipment (PPE).

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