



Australian Government

MSMOPS100 Use equipment

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSAPMOPS100A Use equipment

Application

This unit of competency covers the skills and knowledge required to use an item of equipment which is operated with limited application of knowledge.

This unit of competency applies to all persons who have the responsibility for using equipment where they are not required to have any significant understanding of the equipment or the process. Where greater levels of understanding and interaction are required, then the appropriate *MSMOPS2# series* operations unit of competency should be used.

In a typical situation the operator may be using, for example, a packaged chilled water refrigeration unit to supply chilled water to the plant. The operator uses simple controls and responds to fault alarms built into the equipment. Even though the equipment may be very sophisticated (e.g. using high-speed compressors and computerised monitoring and control equipment) the operator interface is relatively simple. The operator is expected to simply regard this equipment as a black box – they may know what it does, but little detail on how it does it.

This unit of competency has been written to apply to fluids as well as solids and may be applied wherever ‘black box’ equipment is used.

This unit of competency 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, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Operations

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element

- | | | |
|---|---|--|
| 1 | Follow workplace procedures | 1.1 Find out what is required for the job |
| | | 1.2 Identify and follow appropriate procedures |
| | | 1.3 Complete all reporting as required. |
| | | 1.4 Recognise and report hazards and anything unusual |
| 2 | Monitor and use the equipment/
process | 2.1 Turn the equipment on and off as required by procedure |
| | | 2.2 Monitor equipment throughout the job using measurements, readings and senses as appropriate. |
| | | 2.3 Recognise routine problems |
| | | 2.4 Take appropriate corrective action |

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.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Procedures

All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, and include one or more of the following:

- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions

- any similar instructions provided for the smooth running of the plant

Equipment

Equipment includes one or more of the following:

- compressors (packaged plant)
- refrigeration (packaged plant)
- fans
- blowers
- portable generators
- air conditioning units
- other equipment with similar operating requirements

Hazards

Hazards include one or more of the following:

- slip/trip hazards
- heat, smoke, dust or other atmospheric hazards
- electricity
- gas
- gases and liquids under pressure
- structural hazards
- equipment or product mass
- noise, rotational equipment or vibration
- limited head spaces or overhangs
- flammability and explosivity
- hazardous products and materials
- sharp edges, protrusions or obstructions, swarf and scrap
- extreme weather
- other hazards that might arise

Hazard controls

Hazard controls include one or more of the following:

- use of personal protective equipment (PPE)
- ensuring equipment is in safe condition
- reporting potential hazards to appropriate personnel

Routine problems

Routine problems must be reported and corrective action taken according to relevant procedures.

Routine problems include one or more of the following:

- deviations from standard/desired conditions
- alarms

- Corrective actions** Corrective actions include one or more of the following:
- reporting to an appropriate person
 - taking action specified in the procedure
- Appropriate personnel** Appropriate personnel include one or more of the following:
- supervisor
 - more senior operator
 - other designated personnel
- Reporting methods** Reporting methods include one or more of the following:
- verbal
 - written
- Using equipment** Using equipment includes monitoring, adjusting/changing the equipment as required, by one or more of the following:
- manually in the plant
 - using local controller in the plant
 - using the process control system in the control room

Unit Mapping Information

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>