



Australian Government

MSMOPS200 Operate equipment

Release: 1

MSMOPS200 Operate equipment

Modification History

Release 1. Supersedes and is equivalent to MSAPMOPS200A Operate equipment

Application

This unit of competency covers the skills and knowledge required to operate a single unit operation/plant item/item of equipment. It is for items of equipment/plant items/unit operations which are not otherwise covered in this Training Package and may be organisation specific.

This unit of competency applies to a person who has the responsibility for undertaking the routine operation of an individual unit of equipment or a plant item. Typically the person will be an 'outside' or 'field' operator; however, the unit may also be applied to 'panel' or 'control room' operators.

The operator will be required to operate to organisation requirements, resolve routine problems in accordance with procedures and meet quality standards and other workplace requirements.

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

This unit of competency requires a detailed knowledge about the item being operated and some knowledge about related items and processes.

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 | Prepare for work | <ul style="list-style-type: none"> 1.1 Receive and give shift handover 1.2 Identify and clarify work requirements 1.3 Identify and control hazards 1.4 Coordinate with appropriate personnel 1.5 Check for recent work undertaken on plant item 1.6 Note any outstanding/incomplete work 1.7 Check operational status of equipment/plant item |
| 2 | Operate equipment/ plant item | <ul style="list-style-type: none"> 2.1 Identify the types of equipment/plant item and its duty 2.2 Complete routine checks, logs and paperwork taking appropriate action on unexpected readings 2.3 Adjust equipment/plant item as required, appropriate to type of equipment/plant item and duty 2.4 Change rate, grade or specification smoothly as required 2.5 Charge/discharge equipment/plant item as required |
| 3 | Recognise and take appropriate action on abnormal situations | <ul style="list-style-type: none"> 3.1 Monitor equipment/plant item frequently and critically throughout shift using measured/indicated data and senses as appropriate 3.2 Identify impacts of any changes upstream and downstream 3.3 Identify impacts of upstream/downstream changes on the equipment/plant item 3.4 Recognise situations which may require action |

- | | | | |
|---|--|-----|---|
| | | 3.5 | Resolve routine problems |
| | | 3.6 | Take appropriate actions on other abnormal situations to make safe and have the situation resolved |
| 4 | Isolate and de-isolate equipment/plant item in accordance with procedures | 4.1 | Complete any required pre-start checks |
| | | 4.2 | Start up/shut down/changeover equipment/plant item according to the equipment/plant type and duty in liaison with other personnel |
| | | 4.3 | Isolate equipment/plant item |
| | | 4.4 | Make equipment/plant item safe for required work |
| | | 4.5 | Check equipment/plant item is ready to be returned to service |
| | | 4.6 | Prepare equipment/plant item for return to service |

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.

- Regulatory framework** The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used, and include one or more of the following:
- legislative requirements, including work health and safety (WHS)
 - industry codes of practice and guidelines
 - environmental regulations and guidelines
 - Australian and other standards
 - licence and certification requirements

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

Operate Operate includes monitoring, adjusting/changing the equipment/plant item to meet requirements 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

Hazards Hazards include one or more of the following:

- heat, smoke, dust or other atmospheric hazards
- electricity
- gas
- gases and liquids under pressure
- equipment failures
- industrial (machinery, equipment and product)
- noise, rotational equipment or vibration
- flammability and explosivity
- hazardous products and materials
- unauthorised personnel
- sharp edges, protrusions or obstructions
- slippery surfaces, spills or leaks
- extreme weather
- other hazards that might arise

Routine problems Routine problems must be resolved by applying known solutions.

Routine problems are predictable and include one or more of the following:

- equipment/plant/machine malfunction
- variations in process conditions
- variations in materials or contamination of materials
- equipment, tool, die or mould damage
- product faults
- mould/tooling problems

Known solutions are drawn from one or more of:

- procedures
- training
- remembered experience

Non-routine problems must be reported according to relevant procedures

Product

Product includes one or more of the following:

- output from a process which is feed for another process
- output from a process which is feed/stock for another organisation
- output from a process which goes to a final customer

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSAPMOPS200A Operate equipment

Links

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