



Australian Government

MSMSUP404 Coordinate maintenance

Release: 1

MSMSUP404 Coordinate maintenance

Modification History

Release 1. Supersedes and is equivalent to MSAPMOPS404A Co-ordinate maintenance

Application

This unit of competency covers the skills and knowledge required to coordinate maintenance of a manufacturing facility.

It applies to experienced technicians, supervisors, maintenance coordinators or team leaders, working either independently or as part of a team. They will be required to apply knowledge of equipment operating principles, service requirements and workplace production operations to the coordination of maintenance activities to meet the objectives of restoring the plant/equipment condition, consistent with production requirements. They will not be required to actually do the maintenance.

This unit of competency applies to all work environments and sectors within the manufacturing industry. It applies to coordination of one or more of:

- predictive and preventative operational maintenance
- proactive maintenance
- reactive maintenance.

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

Pre-requisite Unit

Nil

Competency Field

Support

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes

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

1	Plan maintenance	1.1	Develop work plans for scheduled routine maintenance
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		activities
		1.2 Develop contingency plans for unscheduled maintenance activities
		1.3 Source maintenance providers (internal/external)
		1.4 Develop costings for maintenance work
		1.5 Identify and control hazards
		1.6 Document and record required production interruptions, processes and procedures
		1.7 Obtain required authorisations for the maintenance work
2	Organise maintenance	2.1 Schedule maintenance activities, with reference to production requirements and availability of resources
		2.2 Review available maintenance expertise and arrange appropriate training and assessment where necessary
		2.3 Obtain approvals for maintenance schedule as necessary to coordinate with production requirements
3	Assemble maintenance requirements	3.1 Determine resources required (equipment, personnel and consumables) to meet maintenance schedule
		3.2 Locate and coordinate supply of consumables, equipment and expertise to meet maintenance schedule
		3.3 Purchase equipment, consumables and expertise as required
4	Complete maintenance	4.1 Complete maintenance schedule
		4.2 Make appropriate readings, measurements and recordings and compare to equipment, product and other relevant specifications
		4.3 Identify areas requiring further testing of plant, which has been subject to maintenance, and recommend appropriate procedures to supervisory staff

- 4.4 Make appropriate adjustments to the maintenance schedule
- 4.5 Complete records as required, noting areas where changes to equipment operation or routine maintenance are required

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:

- emergency procedures
- 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

Tools and equipment

Tools and equipment include one or more of the following:

- hand tools specific for the task
- testing equipment
- measuring and aligning equipment
- computer equipment
- relevant personal protective equipment (PPE)

Hazards

Hazards include one or more of the following:

- ineffective isolations of energy sources, motive power and process materials
- manual handling of machinery components
- hot, cold or components containing dangerous materials
- external hazards (e.g. traffic into a maintenance area)
- smoke, darkness and heat
- heat, smoke, dust or other atmospheric hazards
- electricity
- gas
- gases and liquids under pressure
- structural hazards
- structural collapse
- equipment failures
- industrial (machinery, equipment and product)
- equipment or product mass
- noise, rotational equipment or vibration
- limited head spaces or overhangs
- working at heights, in restricted or confined spaces, or in environments subjected to heat, noise, dusts or vapours
- fire and explosion
- 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

Data and plant records

Data and plant records include one or more of the following:

- plant data

- log sheets
- operational and performance reports
- equipment performance (e.g. speed, output and variations)
- equipment component performance
- sequences and timing of operations
- materials changes (desired and not desired)
- physical aspects, such as noise, smell, feel and pressure condition monitoring information
- planned maintenance schedules
- procedures
- manufacturer specifications, instructions, service manuals and other information

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSAPMOPS404A Co-ordinate maintenance

Links

Companion Volume implementation guides are found in VETNet -

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