



Australian Government

MSS402081 Contribute to the application of a proactive maintenance strategy

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSS402081A Contribute to the application of a proactive maintenance strategy

Application

This unit of competency covers the skills and knowledge required by an individual to make a positive contribution to proactive maintenance strategies, including actions that contribute to equipment uptime and overall equipment effectiveness (OEE). This unit applies in an organisation which is following a predictive, preventative or reliability-centred maintenance strategy and which requires commitment from all employees. The employee should ‘own’ their equipment/plant and take an active part in the implementation of the strategy within the scope of their authority.

This unit requires the application of skills associated with accessing and maintaining equipment/plant documentation. It also requires problem solving, initiative and enterprise to continually monitor and maintain operational performance of equipment/plant used in work role.

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

Pre-requisite Unit

Nil

Competency Field

Competitive systems and practices

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Maintain equipment/plant	1.1	Keep equipment/plant within area of responsibility clean.
		1.2	Ensure equipment/plant is serviced and adjusted, as

		required, in accordance with procedures and own level of responsibility.
		1.3 Access manufacturer manuals and specifications, where required, to expand knowledge on the maintenance of equipment/plant.
		1.4 Access and update documentation on equipment/plant operation and maintenance in accordance with workplace procedures.
2	Monitor operation of equipment/plant	2.1 Regularly check key conditions of the equipment/plant as defined in workplace procedures.
		2.2 Regularly check equipment/plant OEE.
		2.3 Note any deviation from conditions specified in procedures.
3	Identify deviations and patterns	3.1 Identify any previous occurrences of a deviation.
		3.2 Identify any related deviations which have occurred.
		3.3 Identify any unusual occurrence which may be related to a deviation.
4	Take action appropriate to competency and authority on deviation	4.1 Liaise with relevant people regarding the deviation and the solution.
		4.2 Implement solution and/or assist with the implementation of the solution, as appropriate.

Foundation Skills

This section describes those required skills (language, literacy and numeracy) 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.

- Competitive systems and practices include one or more of:**
- lean operations
 - agile operations
 - preventative and predictive maintenance approaches
 - statistical process control systems, including six sigma and three sigma
 - Just in Time (JIT), kanban and other pull-related operations control systems
 - supply, value, and demand chain monitoring and analysis
 - 5S
 - continuous improvement (kaizen)
 - breakthrough improvement (kaizen blitz)
 - cause/effect diagrams
 - OEE
 - takt time
 - process mapping
 - problem solving
 - run charts
 - standard procedures
 - current reality tree.

- Uptime includes one or more of:**
- the overall availability of the plant
 - the inverse of downtime or the unavailability of the plant
 - the fraction, percentage or time the plant is available for production.

- Procedures (written, verbal, visual, computer based, etc.) include one or any combination of:**
- work instructions
 - standard operating procedures (SOPs)
 - safe work method statements
 - formulas/recipes
 - batch sheets
 - temporary instructions
 - any similar instructions provided for the smooth running of the plant.

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>