



Australian Government

MSS404087 Support proactive maintenance

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Performance criteria changed. Range of conditions removed. Assessment requirements changed. Supersedes and is equivalent to MSS404083 Support proactive maintenance.

Application

This unit describes the skills and knowledge required to lead a production or maintenance team in a proactive maintenance environment. This unit has a strong emphasis on developing and resourcing the team to interpret information and monitor equipment and operation.

This unit applies in a competitive systems and practices organisation where proactive maintenance strategies, such as total preventative and/or productive maintenance (TPM) or reliability centred maintenance (RCM) are used. This unit applies to a team leader or other person who as part of their role assists others in implementing and following the proactive maintenance practices.

The unit covers the leading of a team in proactive maintenance activities, including keeping records, visual checks, analysis of failures and effects on production and housekeeping.

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

Pre-requisite Unit

Nil.

Competency Field

Competitive systems and practices

Unit Sector

Elements and Performance Criteria

Elements	Performance Criteria	
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.	
1. Lead team in monitoring process and equipment	1.1	Demonstrate to team how to observe the process and equipment continuously and critically using senses to identify potential and actual problems
	1.2	Identify to team data indicators that must be monitored and

		recorded
	1.3	Ensure team monitors identified data indicators frequently and critically
	1.4	Ensure symptoms of operations outside the desired range of conditions and performance are recognised
	1.5	Analyse cause of equipment non-standard performance within scope of role
	1.6	Ensure team members take timely action to solve and refer problems in accordance with procedures
2. Apply proactive maintenance strategy	2.1	Obtain and discuss maintenance strategy with relevant people
	2.2	Identify aspects of maintenance strategy which require specific input from team
	2.3	Discuss maintenance strategy with team members
	2.4	Ensure team members have resources and training to be able to make the required contributions
3. Analyse standard procedures and work practices	3.1	Read and review team procedures and practices for compatibility with maintenance strategy
	3.2	Identify areas where production procedures and practices should be changed to comply with maintenance strategy
	3.3	Identify areas where maintenance strategy should change to comply with production procedures and practices
	3.4	Identify activities or areas where changes might increase equipment reliability
	3.5	Take action to have the required changes made
4. Facilitate team contribution to proactive maintenance	4.1	Monitor team's contribution to proactive maintenance
	4.2	Arrange for competency development of team members
	4.3	Facilitate ongoing examination by the team of process reliability and overall equipment effectiveness (OEE)
	4.4	Arrange for follow through and implementation of team originated improvements

Foundation Skills

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

Range of Conditions

Unit Mapping Information

Supersedes and is equivalent to MSS404083 Support proactive maintenance.

Links

The MSS Sustainability Companion Volume Implementation Guides are available from VETNet: -

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

Assessment Requirements for MSS404087 Support proactive 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:

- led at least 1 production or maintenance team to implement a proactive maintenance strategy.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- production process as it applies to the team area of responsibility
- equipment controls and function used in team's work area
- data ranges and indicators for normal team operations
- data and equipment variations and fault indicators able to be identified by team during operations
- data required from team for proactive maintenance strategy
- typical analyses used by the proactive maintenance strategy and their implication for work of the team
- responsibilities of the team, maintenance staff and technical experts
- overall equipment effectiveness (OEE) and relationship to team's operational capability.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions, contingencies, facilities, equipment and resources.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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