



Australian Government

MSS404090 Support proactive maintenance

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Performance Criteria changed. Foundation Skills populated. Assessment Requirements changed. Supersedes and is equivalent to MSS404087 Support proactive maintenance.

Application

This unit describes the skills and knowledge required to lead a production or maintenance team in a proactive maintenance environment and support team ability to monitor equipment and operation and interpret information.

This unit applies to team leaders or other roles with the responsibility to support members of a formal or ad hoc team to apply and contribute to proactive maintenance.

This unit applies to any organisation that is implementing total preventative and/or productive maintenance (TPM), reliability centred maintenance (RCM) or similar proactive maintenance strategies.

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

Competency Field

Competitive systems and practices

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 process and equipment continuously and critically using senses to identify potential and actual problems 1.2 Assist team to understand data indicators relevant to process and equipment 1.3 Set and oversee schedules for data monitoring and recording 1.4 Assist team to recognise symptoms of operations outside desired range of conditions and performance 1.5 Analyse cause of equipment non-standard performance within scope of role 1.6 Support team members to take timely action to solve and refer

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	problems in accordance with procedures
2. Apply proactive maintenance strategy	2.1 Obtain maintenance strategy and discuss 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 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 required changes made
4. Facilitate team contribution to proactive maintenance	4.1 Monitor team members' contribution to proactive maintenance and identify need for guidance and/or other support 4.2 Provide guidance and/or arrange for skills or other development for team members 4.3 Facilitate ongoing examination by team of process reliability and overall equipment effectiveness (OEE) 4.4 Arrange for follow through and implementation of team originated improvements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to review procedures and identify need for changes
- Writing skills to document improvement ideas
- Oral communication skills to explain, demonstrate and facilitate to support team capabilities and activities, make recommendations

- Numeracy skills to analyse data, explain and apply data.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSS404087 Support proactive maintenance.

Links

Companion Volume Implementation Guides are found in VETNet – -

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

Assessment Requirements for MSS404090 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 demonstrated the ability to:

- provide guidance and support to assist a production or maintenance team, of at least 2 other people, to understand, apply and contribute to implementation of a proactive maintenance strategy
- identify changes to improve alignment between operational and proactive maintenance procedures and improve reliability.

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
- identifying need for skills or other development, guidance and support
- techniques to facilitate communications based on respect for people and team expertise.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources
- modelling of industry operating conditions, including:

- proactive maintenance system and procedures.

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

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