



**Australian Government**

# **MSS404089 Assist in implementing a proactive maintenance strategy**

**Release: 1**

## MSS404089 Assist in implementing a proactive maintenance strategy

### Modification History

Release 1. Unit code changed. Application changed. Performance Criteria changed. Foundation Skills populated. Assessment Requirements changed. Supersedes and is equivalent to MSS404086 Assist in implementing a proactive maintenance strategy.

### Application

This unit describes the skills and knowledge required to assist in the implementation of a proactive maintenance strategy in an organisation.

This unit applies to maintenance personnel who are required to determine appropriate maintenance related schedules, assess the maintenance implications of current practices and assist non-maintenance personnel to perform their role in 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. Develop components of reliability strategy for a work or plant area | 1.1 Read and interpret manufacturer's recommended inspection, servicing and related schedules for relevant plant<br>1.2 Communicate inspections, services and schedules to stakeholders<br>1.3 Discuss any conflicts and seek resolution of conflicts<br>1.4 Develop schedules in liaison with stakeholders<br>1.5 Identify inspections and servicing which may be done by operations personnel in liaison with stakeholders |
| 2. Assess current practice for maintenance                             | 2.1 Identify overall equipment effectiveness (OEE) and organisation targets for equipment                                                                                                                                                                                                                                                                                                                                    |

| Elements                                           | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes.          | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                           |
| implications                                       | 2.2 Evaluate procedures for equipment reliability implications<br>2.3 Discuss current practices with stakeholders to determine equipment reliability implications<br>2.4 Recommend changes to improve equipment reliability in accordance with procedures                                                                                                                                                                                                 |
| 3. Assist in implementing the reliability strategy | 3.1 Arrange for schedules to be incorporated into work plans<br>3.2 Identify training needs with input from key personnel<br>3.3 Assist personnel to develop required skills for inspections and servicing within scope of authority<br>3.4 Collect data and information as required by own work plan<br>3.5 Compare data and information with performance indicators<br>3.6 Recommend improvements to reliability strategy in accordance with procedures |

## 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 make recommendations
- Oral communication skills to discuss maintenance requirements with stakeholders, confirm schedules, make recommendations
- Numeracy skills to interpret data and performance indicators.

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 MSS404086 Assist in implementing a proactive maintenance strategy.

## 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 MSS404089 Assist in implementing a proactive maintenance strategy

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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:

- assist in determining and implementing a proactive maintenance strategy in at least one organisation.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- requirements of the proactive maintenance strategy being implemented
- operating principles and procedures for equipment and plant subject to proactive maintenance strategy
- purpose and processes for data collection in proactive maintenance strategies
- procedures relevant to own job and organisation implementation of proactive maintenance
- methods of making and recommending improvements
- methods of assessing operator and maintenance skill gaps and addressing them.

## 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, including:
  - proactive maintenance system and procedures
- modelling of industry operating conditions.

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

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