



Australian Government

Assessment Requirements for MSS405077 Develop a proactive maintenance strategy

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Performance Criteria changed. Foundation Skills populated. Range of Conditions removed. Assessment Requirements changed. Workplace outcome changed. Supersedes and is not equivalent MSS405081 Develop a proactive maintenance strategy and MSS405032 Analyse cost implications of maintenance.

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:

- develop and implement a proactive maintenance strategy for at least one work area or product family.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- maintenance strategies, techniques and tools appropriate to the organisation, their characteristics, strengths and weaknesses
- strategic thinking and its application to proactive maintenance
- principles of process equipment and how to improve its reliability
- resources required and how to obtain them
- overall equipment effectiveness (OEE)
- mean time between failure (MTBF)
- failure mode effects analysis (FMEA)
- condition monitoring
- cost components of maintenance strategies, including:
 - direct and indirect costs
 - techniques for estimating costs related to maintenance strategies
 - depreciation, capital versus expense
 - determination and use of present day value of future costs
 - life cycle costing
 - techniques to facilitate communication and agreement across levels and areas of the organisation.
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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.

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

Links

Companion Volume Implementation Guides are found in VETNet – -

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