



Australian Government

MSS405091 Adapt a proactive maintenance strategy for a seasonal or cyclical business

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. Supersedes and is equivalent to MSS405083 Adapt a proactive maintenance strategy for a seasonal or cyclical business.

Application

This unit describes the skills and knowledge required to develop and apply a proactive maintenance strategy for seasonal or cyclical operations.

This unit applies to an individual who is required to interpret a proactive maintenance strategy and adapt it to address requirements and conditions that are specific to seasonal or cyclical operations, which may require changing the normal priority of some choices that need to be made in implementing a proactive maintenance strategy.

This unit applies to any organisation seeking to improve the efficiency and reliability of equipment in seasonal or cyclical operations, for example, food processing, cotton ginning and sugar refineries.

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

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. Interpret proactive maintenance strategy	1.1 Analyse proactive maintenance strategy to identify areas which may conflict with cyclical requirements 1.2 Identify critical conditions which must be met in order to maintain plant reliability until season end 1.3 Compile cycle requirements for proactive maintenance strategy

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Identify cyclical requirements of the process	2.1 Establish when season finishes and expected cycle duration 2.2 Identify plant items and maintenance activities which production imperatives dictate can only be completed after season end 2.3 Identify critical conditions which must be met in order to maintain plant reliability until season end 2.4 Compile cycle requirements for proactive maintenance strategy
3. Identify maintenance requirements of ancillary equipment	3.1 Identify proactive maintenance requirements of ancillary equipment 3.2 Identify maintenance which can only be done at season end 3.3 Compile ancillary equipment requirements for proactive maintenance strategy
4. Identify maintenance requirements during season	4.1 Identify critical maintenance activities which must be done during season 4.2 Negotiate conflicts with seasonal or cyclical processing requirements 4.3 Compile proactive maintenance strategy requirements during season
5. Adapt proactive maintenance strategy	5.1 Compare identified requirements to proactive maintenance strategy 5.2 Consult with stakeholders to negotiate a proactive maintenance strategy which meets identified requirements 5.3 Involve team members in solving problems and developing solutions for strategy 5.4 Monitor implementation of strategy to identify potential and actual non-conformances and take or initiate action in response

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 interpret familiar and technical information
- Writing skills to document proactive maintenance strategy
- Oral communication skills to consult and negotiate with stakeholders
- Numeracy skills to compare costs of maintenance strategies.

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 MSS405083 Adapt a proactive maintenance strategy for a seasonal or cyclical business.

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 MSS405091 Adapt a proactive maintenance strategy for a seasonal or cyclical business

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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:

- adapt at least one proactive maintenance strategy to meet requirements of a seasonal or cyclical operation.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- processing equipment, processes and products of the organisation
- start-up, shutdown and isolation considerations for the organisation
- equipment availability requirements of organisation's seasonal or cyclical operation and impact on proactive maintenance strategies
- skills required by operators and maintenance personnel to achieve effective proactive maintenance strategy implementation
- characteristics and strengths of different types of strategies, techniques and tools in relation to seasonal/cyclical operations
- holistic costs of different strategies combining cost of maintenance with costs of lost production, sales, and other factors relevant to the organisation
- business goals sufficient to match the strategy to the business needs
- 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.

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 strategy
- modelling of industry operating conditions.

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

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