



Australian Government

AHCMOM401 Conduct major repair and overhaul of machinery and equipment

Release: 1

AHCMOM401 Conduct major repair and overhaul of machinery and equipment

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to conduct major repair and overhaul of machinery and equipment.

This unit applies to those working in a technical role to ensure that machinery and equipment for the enterprise is repaired or overhauled in a way that allows the core business of the enterprise to continue with minimal disruption.

All work must be carried out to comply with workplace procedures, work health and safety requirements, manufacturer's specifications and sustainability practices.

This unit applies to individuals who take responsibility for their own work and for the quality of the work of others within known parameters. They use discretion and judgement in the selection, allocation and use of available resources and provide and communicate solutions to a range of predictable and sometimes unpredictable problems.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Machinery operation and maintenance (MOM)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare to carry out major repairs and overhaul of machinery and equipment	1.1 Identify major repairs and overhaul requirements for machinery and equipment and organise resources according to manufacturer's recommendations and enterprise requirements 1.2 Identify, access and confirm tools and equipment against job requirements 1.3 Risk assess and control potential and existing hazards in the workplace according to work health and safety and enterprise requirements 1.4 Use and maintain suitable personal protective equipment according to work health and safety and enterprise requirements
2. Conduct major repairs and overhaul of machinery and equipment	2.1 Confirm machinery and equipment faults and malfunctions 2.2 Estimate scope and costing for repairs or overhaul and present for approval by management 2.3 Implement repair and replacement process for major repairs 2.4 Identify worn or damaged parts in need of overhaul and remove and overhaul 2.5 Consult appropriate personnel as necessary in regard to overhaul requirements and major repairs
3. Carry out advanced welding repairs and workplace engineering	3.1 Identify work health and safety hazards, assess risks and implement, monitor and review risk controls 3.2 Select, set up and start cutting and welding equipment and materials 3.3 Conduct cutting and welding to industry and safety standards 3.4 Carry out workplace engineering tasks to modify design or manufacture parts
4. Complete major repairs and overhaul operation	4.1 Shut down, adjust, clean and store tools and equipment 4.2 Collect, treat and dispose or recycle waste from repair and maintenance activities according to enterprise environmental requirements 4.3 Clean, maintain and return work areas to operating condition 4.4 Record breakdowns, major repairs, overhauls, incidents and work conducted

Foundation Skills

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

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCMOM401A Conduct major repair and overhaul of machinery and equipment.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>