



Australian Government

Department of Education, Employment and Workplace Relations

AUMGLM3001 Comply with heavy vehicle modification standards

Release: 1

AUMGLM3001 Comply with heavy vehicle modification standards

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	<p>This unit describes skills and knowledge to locate, interpret and apply the heavy vehicle modification standards in an automotive environment.</p> <p>Australian Design Rules (ADRs) and the VSB6 National Code of Practice for Heavy Vehicle Modifications apply to this unit at the time of endorsement. State and territory licensing requirements may also apply.</p>
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Application of the Unit

Application of the unit	<p>This unit applies to the automotive and related component manufacturing environment and involves the application of skills and knowledge at a specialist level. These skills and knowledge are to be used within the scope of the person's job and authority.</p> <p>Work involves interpreting and applying heavy vehicle modification standards to commercial vehicles, heavy vehicles, agricultural /plant equipment and recreational vehicles to maintain compliance.</p> <p>Relevant areas of work may include body construction and design, engineering department, fabrication hardware, stamping and press operations, vehicle assembly and vehicle frame manufacture.</p>
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Employability skills	This unit contains Employability Skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge and/or the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Interpret heavy vehicle modification standards	1.1. <i>Heavy vehicle modification standards</i> are sourced 1.2. VSB6 specifications and ADR's are interpreted and applied to heavy vehicle construction and modification 1.3. Vehicle design drawings are interpreted correctly using <i>work quality goals</i>
2. Check heavy vehicle modification compliance	2.1. Compliance of engineering drawings and working drawings against VSB6 specifications is checked and non-compliances identified 2.2. Compliance of engineering drawings and working drawings against ADR's is checked and non-compliances identified 2.3. Compliance of engineering drawings and working drawings against <i>workplace policies and procedures</i> is checked and non-compliances identified 2.4. Compliance of engineering drawings and working drawings against manufacturer requirements is checked and non-compliances identified
3. Complete work requirements	3.1. VSB6 checklists are completed and signed by approved personnel 3.2. Non-compliances are reported to appropriate personnel for action 3.3. Relevant workplace documentation is completed and submitted as required

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

Required skills

- apply communication skills, speak clearly and directly in order to coordinate activities
- apply teamwork skills when sharing gathered information with others in the workplace
- apply planning and organisation skills to a range of situations, including application of quality standards
- apply problem-solving skills to meet performance indicators
- listen to and interpret verbal feedback
- show initiative in adapting to changing work conditions
- access, interpret and apply information, procedures and instructions
- manage time when planning, preparing and organising work priorities
- use technology to research VSB6 specifications, ADR's , workplace policies and procedures and manufacturer requirements
- read and interpret VSB6 specifications, ADR's , workplace policies and procedures and manufacturer requirements
- complete workplace documentation such as compliance checklists
- read and interpret engineering drawings and working drawings
- make and compare measurements
- select, calibrate and use measuring devices
- identify non-conformances against standards.

Required knowledge

- relevant Occupational Health and Safety (OHS) regulations and workplace policies and procedures needed to carry out work in a manner which ensures the safety of people, equipment and the environment
- cost minimisation and waste avoidance policies, procedures and practices
- environmental protection relating to the disposal of waste material
- problem identification and resolution techniques
- inspection techniques, including observation and measurement
- content of VSB6 including technical requirements and the use of checklists
- content of ADR's including their structure, applicability and relationship to VSB6
- content of workplace policies and procedures and manufacturer requirements relevant to heavy vehicle modification compliance
- workplace reporting requirements.

Evidence Guide

EVIDENCE GUIDE	
<p>The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.</p>	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy all of the requirements of the performance criteria and required skills and knowledge.</p> <p>A person who demonstrates competency in this unit must be able to:</p> <ul style="list-style-type: none"> • source, interpret and apply VSB6 specifications, ADR's , workplace policies and procedures and manufacturer requirements to heavy vehicle construction and modification • check compliance of engineering drawings and working drawings against VSB6 specifications, ADR's , workplace policies and procedures and manufacturer requirements • record compliance checks and report non-conformances.
Context of, and specific resources for assessment	<p>Competency is to be assessed in the workplace or a simulated workplace environment that accurately reflects performance in a real workplace setting.</p> <p>Assessment is to occur:</p> <ul style="list-style-type: none"> • using standard workplace practices and procedures • following safety requirements • applying environmental constraints. <p>Assessment is to comply with relevant:</p> <ul style="list-style-type: none"> • regulatory requirements • Australian standards • industry codes of practice. <p>The following resources must be made available for the assessment of this unit:</p> <ul style="list-style-type: none"> • computer with internet access • engineering drawings and working drawings • workplace policies and procedures.
Method of assessment	<p>Assessment must satisfy the endorsed Assessment Guidelines of this Training Package.</p> <p>Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant</p>

EVIDENCE GUIDE	
	<p>contexts) together with the application of required skills and knowledge.</p> <p>Assessment methods must be by direct observation of tasks and include questioning on required skills and knowledge to ensure correct interpretation and application.</p> <p>Competence in this unit may be assessed in conjunction with other units which together form part of a holistic work role.</p> <p>Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate the needs of diverse clients.</p> <p>Assessment processes and techniques must be culturally sensitive and appropriate to the language, literacy and numeracy capacity of the candidate and the work being performed.</p>

Range Statement

RANGE STATEMENT	
<p>The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording in the Performance Criteria is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.</p>	
<p><i>Heavy vehicle modification standards</i> include:</p>	<ul style="list-style-type: none"> • VSB6 National Code of Practice for Heavy Vehicle Modifications • ADRs relevant to heavy vehicle modifications.
<p><i>Work quality goals</i> may include:</p>	<ul style="list-style-type: none"> • compliance with VSB6 specifications • compliance with ADR's • compliance with workplace policies and procedures • compliance with manufacturer requirements.
<p><i>Workplace policies and procedures</i> may include:</p>	<ul style="list-style-type: none"> • environment and sustainability • job specifications • manufacturer specifications and industry codes of practice • OHS • quality policies and procedures, including Australian standards • recording and reporting procedures • safe work procedures.

Unit Sector(s)

Unit sector	Regulatory or Legal – Manufacture
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Competency field

Competency field	Manufacturing – Bus, Truck and Trailer
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Co-requisite units

Not applicable.