



Australian Government

AURMBA002 Load and unload competition vehicles and support equipment

Release: 1

AURMBA002 Load and unload competition vehicles and support equipment

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to prepare, load and unload competition vehicles and support equipment for transportation. It involves preparing for the task, selecting and packing tools and equipment, fitting transportation devices, components and covers to a competition vehicle, and loading and unloading the tools, equipment and competition vehicle.

It applies to those working in the motor sport industry. The competition vehicles are over 300 kg of unladen weight. This unit does not apply to loading and loading vehicles from car trailers.

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

Competency Field

Motor Sport

Unit Sector

Support and Logistics

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare requirements for motor sport event	1.1 <i>Job requirements</i> are determined from team instructions, category rules and supplementary regulations

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
	1.2 Toolboxes and storage containers are checked for completeness and security to avoid damage during transportation 1.3 Additional or replacement equipment and materials are sourced as required 1.4 Transporter storage area is checked and cleaned as required 1.5 Straps and restraint mechanisms are checked for serviceability
2. Prepare competition vehicle for transportation	2.1 Competition vehicle is cleaned and prepared for transportation according to schedule, and electrical system is deactivated 2.2 Transportation devices, components and covers are fitted 2.3 Tie-down points on vehicle and transporter are identified 2.4 Problems with equipment or vehicle are reported to appropriate persons as required
3. Load and secure competition vehicle and support equipment for transportation	3.1 Vehicle and support equipment are loaded on to transporter according to team procedures and safety requirements 3.2 Vehicle and support equipment are secured according to team requirements and restraints are checked 3.3 Hazardous material is stored according to safety requirements and team procedures 3.4 Transporter tailgates, ramps, doors and bins are closed and secured according to safety requirements and team procedures
4. Unload vehicle and support equipment	4.1 Competition vehicle and support equipment are released from restraints and unloaded according to safety requirements and team procedures 4.2 Transporter is cleaned and prepared for subsequent use 4.3 Safety equipment is checked for currency and sufficiency, and restraint mechanisms and holding points are checked for integrity 4.4 Team documentation is completed

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
Learning skills to:	locate appropriate sources of information efficiently.

Skills	Description
Reading skills to:	- interpret labels on dangerous goods and hazardous chemicals - interpret loading and unloading sequence - interpret event scheduling and location details on team documentation.
Writing skills to:	legibly and accurately fill out team documentation and material stock lists.
Oral communication skills to:	- clarify instructions from race engineers, team manager and team members - report progress against schedule to team members.
Numeracy skills to:	use basic mathematical operations, including addition and subtraction, to count equipment and calculate weight from volumes of substances.
Planning and organising skills to:	use available space within transporter efficiently.
Problem solving skills to:	determine methods of loading and unloading disabled or damaged vehicles.
Teamwork skills to:	work as part of a team to ensure materials are available as needed and time wastage is minimised.

Range of Conditions

This section specifies work environments and conditions that may affect performance.

Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Job requirements</i> must include:	- competition vehicle to be transported - materials, tools and equipment to be loaded.
<i>Safety requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: - selecting and using personal protective equipment (PPE), including hearing and eye protection - handling 200 litre fuel drums, compressed gas bottles, and dry ice - working at heights - transporting and storing dangerous goods and hazardous chemicals.
<i>Safety equipment</i> must	- fire extinguishers - spill kits

include:	• PPE, including hearing protection, gloves and sun protection.
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Unit Mapping Information

Equivalent to AURMBA3002 Load and unload a competition vehicle and support equipment

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURMBA002 Load and unload competition vehicles and support equipment

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Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- load and unload two different competition vehicles, each over 300 kg of unladen weight and with different tie-down requirements, in which the work must involve:
 - loading and unloading on two different occasions
 - one load and unload at a sanctioned motor sport event.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to loading and unloading competition vehicles and equipment, including procedures for:
 - selecting and using personal protective equipment (PPE), including hearing and eye protection
 - handling 200 litre fuel drums, compressed gas bottles, and dry ice
 - working at heights
 - transporting and storing dangerous goods and hazardous chemicals
- procedures for transporting, using and storing safety equipment, including fire extinguishers, spill kits, hearing protection, gloves and sun protection
- procedures for preparing vehicle for transportation, including:
 - fitting travel tyres and wheels
 - fitting tie-down points
 - de-fuelling vehicle
 - removing compressed gas containers

- additional requirements for transportation by a third party, via road freight, air, rail or sea
- load distribution principles for safely loading a transporter
- loading and unloading techniques, including use of:
 - winches
 - tailgate loaders
 - trolleys and dollies
- procedures for securing vehicles and equipment, including use of:
 - ratchet straps
 - chains and dogs
 - wheel chocks
- procedures for recording material and consumable use.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicles and support equipment that they have loaded and unloaded, e.g. load list.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- motor sport events, including one sanctioned event
- one vehicle transporter over 4.5 tonne unladen
- two different competition vehicles requiring transport to a motor sport event
- support equipment, tools and materials, including lifting and material handling equipment
- load lists, schedules and team procedures.

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