



Australian Government

Department of Education, Employment and Workplace Relations

AURM340205A Load and unload a competition vehicle and support equipment

Release: 1

AURM340205A Load and unload a competition vehicle and support equipment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit of competency describes the skills and knowledge required to prepare, load and unload support equipment and a competition vehicle for transportation. It requires the ability to select, prepare and pack tools and equipment, prepare and fit transportation devices, components and covers to a competition vehicle and load and unload the tooling, equipment and competition vehicle. No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.
------------------------	---

Application of the Unit

Application of the unit	This unit applies to individuals who prepare support equipment, tools and competition vehicles for transportation in a motorsports environment. For the purpose of this unit of competency a competition vehicle is an automobile over 300 kg unladen weight, which competes in any event of a competitive nature.
--------------------------------	--

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Prerequisite units	

Employability Skills Information

Employability skills	This unit contains employability skills.
-----------------------------	--

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.
---	--

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare specific tooling and equipment needed for an event	1.1. Clarify job requirements using team instructions, specifications, category rules and supplementary regulations, including configuration, quality, equipment and quantities 1.2. Observe occupational health and safety (OHS) requirements, including regulatory requirements, equipment and system isolation requirements, and personal protection needs throughout the work 1.3. Select specific tooling and equipment needed for an event 1.4. Pack and secure tooling and equipment to avoid damage during transportation 1.5. Check equipment listing and account for resources
2. Prepare competition vehicle for transportation	2.1. Clean competition vehicle and prepare for transportation 2.2. Fit specific transportation devices, components and covers 2.3. Identify secure locations on vehicle and transporters 2.4. Report problems with required equipment or vehicle to appropriate persons
3. Load and secure competition vehicle and equipment for transportation	3.1. Compile checklist for resources and vehicle securing 3.2. Conduct loading to team procedures 3.3. Safely secure vehicle and equipment and check mechanisms 3.4. Store hazardous material in accordance with legislative requirements 3.5. Secure transporters tailgates/ramps and doors/bins
4. Unload competition vehicle and support equipment	4.1. Unload competition vehicle according to team procedures 4.2. Unload tooling and equipment according to team procedures 4.3. Clean transporters and prepare for subsequent use 4.4. Complete team/event documentation

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

REQUIRED SKILLS AND KNOWLEDGE**Required skills**

Required skills include:

- technical skills to the level required to use workplace technology related to lifting and securing equipment
- communication skills to the level required to communicate ideas and information to enable organisation of tooling and equipment and reporting of progress against schedule
- literacy skills to the level required to collect, organise and understand information related to storage and transportation of dangerous goods and hazardous chemicals, team tool and equipment requirements, and event scheduling and location details
- numeracy skills to the level required to use mathematical ideas and techniques to correctly complete measurements and estimate material requirements required for the work
- problem-solving skills to the level required to use checking and inspection techniques to maximise space utilisation
- team skills to the level required to work with others and in a team by recognising dependencies and using cooperative approaches to optimise workflow and productivity
- planning skills to the level required to plan and organise activities, including loading and unloading sequence, to avoid backtracking or workflow interruptions

Required knowledge

Required knowledge includes:

- storage and transportation of hazardous chemicals and dangerous goods methods and equipment
- competition vehicle transportation preparation methods
- competition vehicle security principles
- load distribution principles
- loading and unloading techniques
- securing methods and equipment
- record keeping techniques
- applicable commonwealth, state or territory legislation, regulations, standards and codes of practice, including OHS, personal safety and environment, relevant to preparing competition vehicles and support equipment for transportation, including manual handling and loading heavy equipment

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessors must be satisfied that the candidate can competently and consistently:

- interpret and apply team requirements, controlling body and category rules and supplementary regulations
- correctly apply and use safety equipment and personal protective equipment
- follow task instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to competition vehicle or equipment
 - achieve required outcomes within team time and quality standards
- correctly prepare, load and unload a minimum of one (1) competition vehicle and support equipment on two (2) occasions in differing conditions
- work with and around other team members
- work effectively with others
- modify activities to cater for variations in workplace context and environment.

Context of, and specific resources for assessment

- The application of competency is to be assessed in the workplace or a simulated environment that reflects as far as possible the actual working environment.
- Assessment is to occur using standard and authorised work practices, safety requirements and environmental constraints.
- Assessment is to comply with relevant regulatory requirements, including specified Australian standards.
- Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate ethnicity, age, gender, demographics and disability.
- The following resources should be made available:
 - transporter over 4.5 tonne unladen
 - competition vehicles
 - process equipment, materials, work instructions and

EVIDENCE GUIDE

	deadlines • access to a competition vehicle, transporters and associated support equipment • lifting and materials handling equipment • team procedures • securing equipment guidelines.
--	---

EVIDENCE GUIDE	
Method of assessment	• Assessment must satisfy the endorsed Assessment Guidelines of this Training Package. • Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of Required Skills and Knowledge. • Assessment methods must be by direct observation of tasks and include questioning on Required Skills and Knowledge to ensure its correct interpretation and application. • Assessment may be applied under project-related conditions (real or simulated) and require evidence of process. • Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances. • Competence in this unit may be assessed in conjunction with other functional units which together form part of the holistic work role.
Guidance information for assessment	Assessment processes and techniques must be culturally sensitive and appropriate to the language and literacy capacity of the candidate and the work being performed.

Range Statement

RANGE STATEMENT	
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, if used in the performance criteria, is detailed below. 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) may also be included.	
Preparation of the competition vehicle	Preparation of the competition vehicle may include: • applying vehicle-specific transportation requirements • removing fluids, including fuel • disconnecting battery/power supply

RANGE STATEMENT

- | | |
|--|---|
| | <ul style="list-style-type: none">• downloading data• gear position• other transportation requirements necessary for transportation by a third party via means such as road freight, air, rail or sea |
|--|---|

RANGE STATEMENT	
OHS requirements	OHS requirements are to be in accordance with applicable commonwealth, state or territory legislation and regulations, and organisational safety policies and procedures, and may include: • personal protective equipment and clothing, including closed-in shoes, long trousers, handling gloves and other equipment • safety equipment • first aid equipment • hazard and risk control • management of hazardous materials and substances • manual handling, including shifting, lifting and carrying • emergency procedures • team insurance requirements • material safety management systems • controlling body requirements • manufacturer/component supplier specifications • local safe operating procedures
Legislative requirements	Legislative requirements are to be in accordance with applicable commonwealth, state or territory legislation, regulations, certification requirements and codes of practice, and may include: • award and enterprise agreements • industrial relations • Australian standards • confidentiality and privacy • OHS • the environment • equal opportunity • anti-discrimination • duty of care • health regulations • vehicle transportation
Tooling and equipment	Tooling and equipment may include: • transporter over 4.5 tonne tare weight and associated support equipment • material and manual handling equipment

RANGE STATEMENT

	• winches • ratchet straps and tie down straps
--	--

RANGE STATEMENT	
Specific transportation devices, components and covers	Specific transportation devices, components and covers may include: • anti-rub devices • blanking plugs (e.g. exhaust) • guards • air filter covers • vehicle covers • transportation tyres and wheels
Information and procedures	Information and procedures may include: • controlling body rules, category rules and supplementary regulations • event scheduling and location details • team procedures and standards related to: • competition vehicle transportation and security competition vehicle assembly • reporting and communication • use of tooling and equipment • emergency service contacts and team persons emergency contacts • team emergency and event procedures for accidents or injury • work instructions, including worksheets, material safety data sheets (MSDS), assembly procedures, plans, drawings, designs and checklists • manufacturer/component supplier specifications and application procedures for test equipment and material • safety body publications • environmental, hazardous chemicals and dangerous goods legislation and local requirements relating to the disposal and use of fuels, lubricants, coolants and cleaning agents

Unit Sector(s)

Unit sector	Motorsport
--------------------	------------

Co-requisite units

Co-requisite units		

Competency field

Competency field	
-------------------------	--