



**Australian Government**

# **AURMTA001 Prepare and service light competition vehicles**

**Release: 1**

# AURMTA001 Prepare and service light competition vehicles

## Modification History

Release	Comment
Release 1	New unit of competency.

## Application

This unit describes the performance outcomes required to prepare and service an already assembled light competition vehicle in the workshop or at a motor sport event. It involves preparing for the task, servicing the light competition vehicle, making adjustments as required, and completing workplace processes and documentation.

It applies to those working in the motor sport industry. The light competition vehicles are under 300 kg of unladen weight, such as go-carts, motorcycles or jet skis.

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

## Competency Field

Motor Sport

## Unit Sector

Technical

## 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 for work	<p>1.1 Job requirements are determined from team instructions, category rules and supplementary regulations</p> <p>1.2 Servicing procedures and information are sourced</p> <p>1.3 Hazards associated with the work are identified and risks are managed</p>

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	1.4 Tools, equipment and materials are selected and checked for serviceability 1.5 Work area is cleaned and laid out for job requirements 1.6 Problems with work area or operation of equipment are reported to appropriate personnel as required
2. Prepare competition vehicle	2.1 Vehicle is positioned and secured ready for servicing according to manufacturer specifications and workplace procedures 2.2 Temporary bungs and covers are removed and engine pre-start checks are conducted according to team procedures and safety and environmental requirements 2.3 Pre-service inspection and preparation are carried out according to manufacturer specifications, workplace procedures and safety requirements 2.4 Inspection findings are reported according to workplace procedures, and recommendations for service, repairs or adjustments are reported
3. Service competition vehicle	3.1 <b>Service</b> and adjustments are carried out according to manufacturer specifications, workplace procedures, and <b>safety and environmental requirements</b> , and without causing damage to components or systems 3.2 Vehicle is started and systems, pressures and temperatures are checked for abnormal noise and leaks, according to team procedures and safety and environmental requirements 3.3 Vehicle sub-assembly and systems operation are checked according to team procedures and safety and environmental requirements 3.4 Vehicle components are shielded as required and according to team procedures 3.5 Potential or existing problems are documented and reported to appropriate personnel as required and according to team procedures
4. Complete work processes	4.1 Final inspection is made to ensure work is to workplace expectations and vehicle is cleaned and presented ready for use 4.2 Work area is cleaned, waste and non-recyclable material is disposed of and recyclable material is collected 4.3 Tools and equipment are checked and stored, and surplus components and consumables are packed and stored according to workplace procedures 4.4 Workplace documentation is processed according to workplace

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	procedures

## 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.

<b>Skills</b>	<b>Description</b>
Learning skills to:	<ul style="list-style-type: none"> <li>apply team procedures to different situations and motor sport events.</li> </ul>
Reading skills to:	<ul style="list-style-type: none"> <li>interpret team instructions, category rules and supplementary regulations.</li> </ul>
Numeracy skills to:	<ul style="list-style-type: none"> <li>use basic mathematical operations, including addition and subtraction, to measure and calculate fluid volumes using metric and imperial units of measurement</li> <li>interpret units of temperature and pressure.</li> </ul>
Planning and organising skills to:	<ul style="list-style-type: none"> <li>ensure that own tasks are carried out within team operation timeframes.</li> </ul>
Teamwork skills to:	<ul style="list-style-type: none"> <li>work as part of a team to ensure vehicle is prepared and maintained throughout event and time wastage is minimised.</li> </ul>

## 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.

<b><i>Service</i></b> must include:	<ul style="list-style-type: none"> <li>pre- and post-service adjustments, including procedures for checking: <ul style="list-style-type: none"> <li>electronic control units</li> <li>data acquisition system components</li> <li>communication equipment</li> <li>circuit breakers, and relay and isolation switches</li> <li>fuel tank and cell</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>• pumps and reservoirs</li> <li>• fire bottles and controller.</li> </ul>
<b><i>Safety and environmental requirements</i></b> must include:	<ul style="list-style-type: none"> <li>• work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: <ul style="list-style-type: none"> <li>• selecting and using personal protective equipment (PPE)</li> <li>• identifying acceptable tolerance levels for noise, heat and fumes</li> </ul> </li> <li>• environmental requirements, including procedures for trapping, storing and disposing of fluids released during vehicle preparation.</li> </ul>

## Unit Mapping Information

Equivalent to AURMTA2001 Prepare and service a light competition vehicle

## Links

Companion Volume implementation guides are found in VETNet -

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