



Australian Government

AURMTA004 Prepare competition vehicles at motor sport events

Release: 1

AURMTA004 Prepare competition vehicles at motor sport events

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to perform competition vehicle preparations at a motor sport event. It involves preparing for the task, interpreting category and event team specifications, finalising technical preparations, conducting pre-race checks and post-race maintenance, and preparing a vehicle for scrutineering.

It applies to those working in the motor sport industry.

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	1.1 Job requirements are determined from <i>event information</i> and checked against 'on the day' operating conditions, and required clarification of specifications is sought 1.2 Tools and equipment are selected and checked for serviceability 1.3 Hazards associated with the work are identified and risks are managed

Elements Elements describe the essential outcomes.	Performance Criteria 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.
	1.4 Work area is cleaned and laid out for job requirements
2. Finalise technical preparation	2.1 Vehicle <i>settings are configured</i> for each race 2.2 Problems with work area or operation of equipment are reported to appropriate persons according to team procedures as required 2.3 Modifications or adaptation of equipment are proposed as required according to team procedures 2.4 Vehicle settings are documented according to team procedures
3. Conduct pre-race checks	3.1 Checks are carried out according to team checklists and without causing damage to components 3.2 Problems with components or systems are reported as required to appropriate persons according to team procedures
4. Prepare vehicle for scrutineering	4.1 Vehicle systems and safety components are inspected according to regulatory body requirements, category rules and supplementary regulations 4.2 Problems with vehicle compliance are identified and rectified according to team procedures as required 4.3 Problems with vehicle compliance that cannot be rectified are reported to appropriate persons according to team procedures as required
5. Conduct between-race maintenance	5.1 Condition of components and systems are inspected according to team checklist, and repaired or replaced as required according to safety requirements and team procedures 5.2 Vehicle is cleaned and refuelled according to team procedures and <i>safety and environmental requirements</i> 5.3 Vehicle manual and electronic data is collected and logged according to team procedures 5.4 Driver or rider technical debrief is conducted according to team procedures
6. Complete work processes	6.1 Work area and vehicle are cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected, tagged and stored 6.2 Tools and equipment are checked and stored according to workplace procedures 6.3 Team and event documentation is completed according to team 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.

Skills	Description
Learning skills to:	apply team procedures to different situations and motor sport events.
Reading skills to:	interpret team instructions, team checklists, regulatory body requirements, category rules and supplementary regulations.
Writing skills to:	legibly and accurately document vehicle settings and fill out team and event documentation.
Numeracy skills to:	- measure components and use basic addition, subtraction, division and multiplication, to calculate tolerances and clearances - use basic mathematical operations to calculate volume and area.
Digital skills to:	navigate computer software and access and log manual and electronic data.
Planning and organising skills to:	ensure that own tasks are carried out within team operation timeframes.
Self-management skills to:	work efficiently with minimal supervision.
Problem solving skills to:	- propose modifications or adaptation of equipment to overcome preparation issues - propose possible solutions to compliance issues.
Teamwork skills to:	work as part of a team to ensure vehicle is prepared and maintained throughout the event 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>Event information</i> must include:	- team instructions - category rules and supplementary regulations, including allowable design, quality, material, equipment and quantities.
<i>Configuration of settings</i> must include:	- team specifications - baseline configurations - category rules and supplementary regulations.
<i>Safety and environmental</i>	work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for:

requirements must include:	• selecting and using personal protective equipment (PPE) • using motor sport event safety equipment, including firefighting equipment • identifying acceptable tolerance levels for noise, heat and fumes • environmental requirements, including procedures for trapping, storing and disposing of fluids and contaminants released during vehicle preparation.
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Unit Mapping Information

Equivalent to AURMTA3004 Perform competition vehicle preparation procedures at an event

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 AURMTA004 Prepare competition vehicles at motor sport events

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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:

- prepare two different competition vehicles at two different motor sport events, one of which may be a simulated 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 preparing competition vehicles at motor sport events, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using motor sport event safety equipment, including firefighting equipment
 - identifying acceptable tolerance levels for noise, heat and fumes
- environmental requirements, including procedures for trapping, storing and disposing of fluids and contaminants released during vehicle preparation
- technical preparation procedures, including procedures for configuring:
 - vehicle settings for individual events
 - work area for individual events
- pre-race checking procedures
- vehicle scrutineering preparation procedures, including:
 - inspection techniques
 - regulatory body requirements, category rules and supplementary regulations
 - non-compliance rectification procedures
- between-race maintenance procedures, including:
 - inspection procedures

- gear ratio calculations
- cleaning and re-fuelling procedures
- vehicle manual and electronic data collection and logging procedures
- procedures for reporting and recording equipment and component defects
- procedures for driver or rider technical debriefings
- post-race clean-up procedures, including:
 - work area and vehicle cleaning procedures
 - tool and equipment checking and storage procedures
- procedures for processing team and event documentation.

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 competition vehicles that they have prepared, e.g. work order.

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

The following resources must be made available:

- two motor sport events
- controlling body rules, category rules and supplementary regulations for the motor sport event
- personal and motor sport team safety procedures and requirements, including PPE
- two different motor sport competition vehicles
- tools, equipment and materials appropriate for preparing competition vehicles at a motor sport event.

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