



Australian Government

AURMTA005 Perform pit lane and service area operations at motor sport events

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to perform pit lane and service area operations within the time constraints of motor sport events. It involves preparing for the task, following safety procedures, and carrying out repairs, adjustments and service work on competition vehicles during pit lane, pit bay or service area stops.

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> 1.2 Tools and equipment are selected and checked for serviceability 1.3 Hazards associated with the work are identified and risks are managed 1.4 Equipment and tooling are positioned to ensure clear movement

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.
	paths 1.5 Work area is cleaned and laid out for job requirements
2. Follow pit lane and service area safety procedures	2.1 Jacks and other lifting devices, including lifting lock-outs, are fitted prior to underbody servicing 2.2 Fire hazard and prevention procedures are followed according to team procedures or event category rules and supplementary regulations 2.3 Pit lane and service area signals are used according to team procedures, and event category rules and supplementary regulations 2.4 Access to pit lane or service area and walkways by non-team members is monitored according to team procedures
3. Carry out pit stop repairs and adjustments on competition vehicle	3.1 Pit stop is initiated and competition vehicle components are checked according to team pit stop or service area schedule 3.2 Minor adjustments, emergency repairs, and component replacements are performed according to team instructions and safety and environmental requirements 3.3 Work practices and pit stop or service area procedures are modified to manage contingency issues 3.4 Problems are reported to team members according to workplace procedures
4. Conduct post-stop clean-up	4.1 Tools and equipment are prepared and positioned ready for next vehicle stop 4.2 Surplus components and consumables are tagged and stored 4.3 Spillages are cleaned and waste is disposed of according to environmental requirements 4.4 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

Skills	Description
	events.
Reading skills to:	interpret team instructions, specifications, event category rules and supplementary regulations.
Writing skills to:	legibly and accurately fill out team and event documentation, and tag surplus components and consumables.
Oral communication skills to:	communicate ideas and information when responding to issues during pit stops and competition vehicle servicing, and report problems for post-stop or post-event analysis.
Numeracy skills to:	use basic mathematical operations, including addition and subtraction, to calculate fuel quantity requirements.
Planning and organising skills to:	plan and organise activities, including pit stop service procedures, to avoid backtracking or workflow interruptions.
Self-management skills to:	work efficiently with minimal supervision.
Problem solving skills to:	identify faults or required adjustments and apply analysis and judgement when interpreting instructions for adjustment and emergency repair within strict timeframes.
Teamwork skills to:	work with others and in a team by recognising dependencies and using cooperative approaches to optimise workflow within strict timeframes.

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 - event category rules and supplementary regulations, including allowable configuration, quality, equipment and quantities.
<i>Safety and environmental requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including: - selecting and using personal protective equipment (PPE) - identifying acceptable tolerance levels for noise, heat and fumes - following pit lane and service area safety procedures - environmental requirements, including procedures for trapping, storing and disposing of fluids and contaminants released during pit lane and service area operations.

Unit Mapping Information

Equivalent to AURMTA3005 Perform pit lane and service area operations

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 AURMTA005 Perform pit lane and service area operations 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:

- perform pit lane and service area operations on a competition vehicle at two different motor sport events, including at one 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 performing pit lane and service area operations, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - identifying acceptable tolerance levels for noise, heat and fumes
 - following pit lane and service area safety procedures
- environmental requirements, including procedures for trapping, storing and disposing of fluids and contaminants released during pit lane and service area operations
- key requirements of controlling body rules, category rules and supplementary regulations relating to above motor sport event
- procedures for pit lane and service area operations, including:
 - layout at an event
 - preparation processes
 - pit stop and service area sequence and conduct
 - pit lane and service area signals and communication techniques
 - emergency repair methods and procedures
 - procedures for reporting equipment faults and component defects
- procedures for completing event records.

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 pit lane and service area operations they have performed at motor sport events, 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 different motor sport events, including one sanctioned motor sport event
- controlling body rules, category rules and supplementary regulations for the motor sport event
- personal and motor sport team safety procedures and requirements, including PPE
- motor sport team procedures and instructions
- one competition vehicle
- tools, equipment and service materials appropriate for performing pit lane and service area operations on competition vehicles.

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