



Australian Government

AURMMA005 Manage team 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 plan, coordinate and oversee the pit lane and service area operations of the technical service crew of a motor sport team. It involves developing and managing pit lane and service area operations and emergency repairs, and coordinating competition vehicle on-track support, persons and team communication during a motor sport event.

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

Management, Leadership and Supervision

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. Develop pit lane and service area management plan for event	1.1 Controlling body rules, category rules and supplementary regulations requirements are checked and interpreted 1.2 Required tooling and equipment are identified and checklists developed

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.
	1.3 Pit lane and service area layout and competition vehicle on-track support strategies are developed and documented 1.4 Team member responsibilities are determined and communicated 1.5 Task timings are determined, documented and communicated 1.6 Event communication strategy is developed and team members are briefed 1.7 Team work area and equipment security procedures are developed and team members are briefed 1.8 Contingency plan is developed and documented
2. Inspect pit lane and service area operation readiness	2.1 Pit lane and service area layout is implemented 2.2 <i>Checks of equipment and tools</i> and <i>safety and environmental requirements</i> are supervised 2.3 Correct positioning of competition vehicle stop and service markings is checked
3. Supervise technical service crew	3.1 <i>Team members are briefed</i> prior to event, and responsibilities and tasks clarified with them at event site 3.2 Communications equipment is allocated and communication strategy reviewed with team members 3.3 Pit lane and service area operations during event are supervised and work is controlled as required 3.4 Safe work environment and practices are monitored and corrected as required 3.5 Emergency repairs on competition vehicle are supervised and authorisation for vehicle to re-enter event is given 3.6 Checks with team members are made regularly during an event
4. Coordinate competition vehicle on-track support	4.1 Technical advice is provided to driver or rider during event and additional information is sought should clarification be required 4.2 Event-related information and strategy are communicated to driver or rider and other team members during event 4.3 Records of event and team performance are maintained 4.4 Liaison with event officials is conducted
5. Supervise post-event operations	5.1 Team members are supervised to ensure post-event impoundment procedures are followed as per controlling body rules, category rules and supplementary regulations 5.2 Dismantling of pit lane and service area is supervised 5.3 Clean-up of work area is supervised 5.4 Disposal of waste material is supervised to ensure compliance

Elements	Performance Criteria
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	with local requirements, and environmental and safety regulations 5.5 Team and event 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
Reading skills to:	interpret information from controlling body rules, category rules and supplementary regulations.
Writing skills to:	produce team event documentation that outlines team member roles and responsibilities, and procedures to follow during event.
Oral communication skills to:	- discuss and clarify pit lane and service area operations with team members and event officials - clearly outline team member responsibilities and procedures prior to event.
Numeracy skills to:	- use formal and informal methods to calculate and estimate task timings for pit lane and service area operations during event - use basic mathematical operations, including addition, subtraction, multiplication and division to calculate volumes of fuel and other consumable quantities required for event.
Planning and organising skills to:	- plan pit lane and service area operations to avoid loss of time and resource wastage - analyse event regulations and develop pit lane and service area layout and event management plan.
Teamwork skills to:	manage and work collaboratively with team members.

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>Equipment and tool checks</i> must include checking for:	• serviceability, operation and positioning • compliance with team specifications • compliance with controlling body rules and category rules • compliance with supplementary regulations.
<i>Safety and environmental requirements</i> must include:	• work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for identifying hazards and managing risks • environmental requirements, including procedures for trapping, storing and disposing of contaminants and fluids released during pit lane and service area operations.
<i>Team member briefing</i> must include:	• confirming task timings • clarifying requirements of category rules and supplementary regulations • discussing event safety requirements • discussing event environmental requirements, including trapping, storing and disposing of contaminants and fluids released during pit lane and service area operations • security procedures for the event.

Unit Mapping Information

Equivalent to AURMMA5005 Manage team 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 AURMMA005 Manage team 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:

- develop a pit lane and service area management plan for the technical service crew at one motor sport event
- implement above management plan, ensuring that strategies and procedures are applied that:
 - ensure safe work practices in pit lane and service area to minimise risk of injury to self or others
 - minimise risk of damage to competition vehicle, tooling and equipment and wastage of material
 - minimise service and emergency repair times
 - address potential problems in pit lane and service area operations.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to managing team pit lane and service area operations, including procedures for identifying hazards and managing risks
- environmental requirements, including procedures for trapping, storing and disposing of contaminants and fluids 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 developing pit lane and service area management plans, including:
 - procedures for controlling safe work practices in pit lane and service area
 - typical communication strategies used in pit lane and service area

- operational tasks and task timing for pit lane and service area
- competition vehicle on-track support strategies
- security procedures for pit lane and service area
- contingency plans for pit lane and service area
- procedures for ensuring operational readiness of pit lane and service area, including typical layouts, including stop and service marking positions
- procedures and techniques for supervising service crews, including:
 - communication principles
 - group dynamic principles
 - effective supervision techniques
 - scenario and logistics planning
 - critical path analysis
 - operational plan development
- procedures for coordinating competition vehicle on-track support, including:
 - communication methods between drivers and crew
 - types of race and team performance records
 - procedures for liaising with event officials
- procedures for supervising post-event operations, including:
 - dismantling, clean-up and waste disposal procedures
 - completing different types of 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 having managed team pit lane and service area operations at a motor sport event, e.g. event sign-on sheet.

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

The following resources must be made available:

- one motor sport event
- motor sport team.

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