



Australian Government

AURMMA102 Manage the preparation of motor sport competition vehicles

Release: 1

AURMMA102 Manage the preparation of motor sport competition vehicles

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

This unit describes the skills and knowledge required to develop competition vehicle preparation specifications, checklists and schedules, and to supervise the preparation and assembly of a motor sport competition vehicle. It involves researching information, assessing personnel capabilities and schedule constraints, and supervising others to prepare a competition vehicle and check the post-preparation vehicle and work area.

The unit 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.

Unit Sector

Motorsport Management, Leadership and Supervision

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Develop preparation specifications and checklists	1.1 Determine job requirements from competition information 1.2 Analyse rules, regulations, and vehicle specifications and tolerances for competitive advantage 1.3 Document and communicate work specifications to required personnel
2. Develop preparation schedule	2.1 Identify and source equipment and capabilities of required personnel to meet job specifications 2.2 Analyse constraints to schedule and document optimum sequence for vehicle preparation

ELEMENTS	PERFORMANCE CRITERIA
	2.3 Analyse critical path and document factors affecting that path 2.4 Finalise preparation schedule and distribute to required personnel
3. Supervise preparation	3.1 Monitor team adherence to preparation schedule according to team requirements 3.2 Monitor work area for layout according to job requirements and for cleanliness 3.3 Carry out checks of vehicle during and after installation of components to ensure complete fitting 3.4 Evaluate and resolve problems with work area or operation of equipment according to safety and environmental requirements 3.5 Evaluate proposals for modifications or adaptation of equipment and components and adapt or adopt changes as required according to team requirements
4. Supervise post-assembly checks	4.1 Inspect vehicle, and identify and address problems according to team requirements 4.2 Supervise post-preparation checks and vehicle start-up by team 4.3 Supervise vehicle baseline set-up by team 4.4 Supervise clean-up of work area by team 4.5 Carry out final inspection of work area and vehicle and complete documentation

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	• Locates required sources of information efficiently • Adapts procedures to different vehicles.
Numeracy	• Works with units of time when developing timelines within a preparation schedule.
Oral communication	• Communicates task specifications and preparation schedule to team members • Receives and gives information and advice to team members during vehicle preparation.

SKILL	DESCRIPTION
Reading	Interprets team instructions and procedures and controlling body rules, category rules and supplementary regulations.
Teamwork	Works as a leader of a team to ensure team member roles are understood and time wastage is minimised.
Planning and organising	Plans own tasks and those of a team to ensure work proceeds without interruption and within timelines.
Problem solving	- Produces solutions to problems with scheduling, component and equipment supply, and personnel capability - Evaluates a range of options and selects efficient solutions.
Self-management	Works efficiently with minimal supervision and within timeframes.

Unit Mapping Information

Supersedes and is equivalent to AURMMA002 Manage the preparation of motor sport competition vehicles.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for AURMMA102 Manage the preparation of motor sport competition vehicles

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- manage a team that is undertaking the assembly and preparation of at least one motor sport competition vehicle.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to manage the preparation of motor sport competition vehicles, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
 - event documentation
- workplace procedures required to manage the preparation of motor sport competition vehicles, including:
 - establishing serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- work health and safety (WHS) requirements relating to preparing a competition vehicle, including:
 - selecting and using personal protective equipment (PPE)
 - using chemical cleaning and lubricating agents

- environmental requirements, including procedures for trapping, storing and disposing of chemicals and fluids released when assembling competition vehicles
- methods of determining competition vehicle design, quality, and material, equipment and quantities from team instructions, supplementary regulations and manufacturer specifications
- procedures for analysing rules, regulations, vehicle specifications and tolerances for competitive advantage
- key competition information, including:
 - team instructions and procedures
 - controlling body rules
 - category rules
 - supplementary regulations
- constraints to schedules, including:
 - timing and location of upcoming event
 - availability of equipment and components
 - availability of required personnel
- procedures for developing preparation schedules, including:
 - assembly and preparation processes applicable to competition vehicle
 - procedures for analysing team member capability for tasks
 - documentation procedures for preparation schedule including preparation checklists
 - procedures for determining work area layout
- procedures for supervising vehicle preparation, including:
 - procedures for developing and monitoring assembly inspection processes
 - methods of evaluating and remedying problems with work area and equipment operation
 - procedures for minimising waste material.

Assessment Conditions

Competency is to be assessed in the workplace, for one sanctioned event.

Other competencies are to be assessed in an automotive repair 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 motor sport vehicles that they have prepared, e.g. work orders.

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

The following resources must be made available:

- motor sport workplace
- one motor sport competition vehicle requiring pre-event preparation
- motor sport team with knowledge of competition vehicle pre-event preparation procedures

- tools and equipment required for the preparation of a competition vehicle.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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