



Australian Government

Department of Education, Employment and Workplace Relations

AURM542849A Prepare and implement race strategies

Release: 1

AURM542849A Prepare and implement race strategies

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit of competency covers the skills and knowledge required to develop race strategies, communicate strategy plan and contingencies to team members, implement race strategies and conduct post-event reviews.
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Application of the Unit

Application of the unit	<p>Work involves consulting closely with team members and planning event strategies for competitive advantage (promotional, technical or psychological advantage).</p> <p>For the purpose of this unit of competency, a race is defined as each of the items in a program, such as a heat, final, test run, time trial or promotional ride, as distinct from a race meeting or event.</p> <p>Work requires individuals to demonstrate discretion, judgement and problem-solving skills in incorporating team member opinions and suggestions, uncontrollable variables and other influencing factors.</p>
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Develop event strategy	1.1. Occupational health and safety (OHS) requirements, including regulatory requirements and personal protection needs, are observed throughout the work 1.2. Input is sought from team members and compared with available event data, including past performance, and points documented 1.3. Team strategies are devised for attaining competitive advantage 1.4. Team members are briefed on security of information and intellectual property procedures 1.5. Contingency plans are developed and documented
2. Communicate strategy plan and contingencies to team members	2.1. Responsibilities within strategy, plan and contingencies are identified and confirmed with each team member 2.2. Authority hierarchies and relationships are clearly explained 2.3. Team feedback is sought, evaluated and incorporated
3. Implement race strategies	3.1. Team roles and responsibilities are reinforced with team members at an event, prior to event commencement 3.2. Strategies are implemented and clearly communicated to team members during an event 3.3. Contingency plans are communicated and team member roles and responsibilities outlined 3.4. Strategy outcomes are monitored and amended as necessary during an event
4. Conduct post-event review	4.1. Event debrief is conducted with driver/rider and team members as soon as practicable following a race 4.2. Data is analysed and points documented 4.3. Technician reports are considered and points documented 4.4. Team debrief is conducted and outcome including recommendations are documented 4.5. Event strategies are reviewed with team members

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

Required skills include:

- collect, organise and understand information related to previous event vehicle performance and potential performance, competitor performance, promotional partner exposure requirements and team pit lane/service area operation times
- communicate ideas and information to enable event strategies and contingencies to be understood by team members
- plan and organise activities including pit lane/service area and drive/ride sequencing to avoid backtracking, workflow interruptions or time wastage
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise workflow and productivity
- use mathematical ideas and techniques to correctly complete measurements and estimate time requirements pit lane/service area stops, driver changes where needed and competition vehicle servicing
- use problem-solving techniques to anticipate potential event scenarios and plan responses
- use workplace technology related to data analysis

Required knowledge

Required knowledge includes:

- vehicle and component system performance
- principles of psychological advantage
- problem-solving techniques, including but not limited to, brainstorming; scenario planning; critical path, force field, Pareto, pros/cons and SWOT analysis, and decision trees
- group dynamics and communication principles and techniques
- strategy planning

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

EVIDENCE GUIDE	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>Assessors must be satisfied that the candidate can competently and consistently:</p> <ul style="list-style-type: none"> • interpret and apply team requirements, controlling body and category rules and supplementary regulations • apply safety requirements including the use of personal protective equipment • devise task instructions, operating procedures and inspection processes to: <ul style="list-style-type: none"> • minimise the risk of injury to self or others • prevent damage to competition vehicle or equipment • achieve required outcomes within team time and quality standards • develop and implement race strategies for a minimum of two (2) events (or simulated events). The following must be demonstrated during development: <ul style="list-style-type: none"> • consultation with team members • use of problem-solving techniques • consideration of driver/rider strengths and weaknesses • consideration of driver/rider characteristics • consideration of event variations • complete all work data within team quality and timeliness standards • work effectively with others • modify activities to cater for variations in workplace context and environment • apply team data security and confidentiality procedures and processes at all times.
Context of, and specific resources for assessment	<ul style="list-style-type: none"> • Assessment may occur on the job or in a workplace simulated facility with process equipment, material, work instructions and deadlines. • Access to previous performance data, regulatory body and category rules and supplementary regulations.
Method of assessment	<ul style="list-style-type: none"> • Assessment methods must confirm consistency of performance over time and in a range of workplace contexts. • Assessment should be by direct observation of tasks and questioning on underpinning knowledge. • Assessment should be conducted over time and may be in conjunction with assessment of other units of

EVIDENCE GUIDE	
	<p>competency.</p> <ul style="list-style-type: none"> Competence in this unit may be assessed in conjunction with other functional units which together form part of the holistic work role.
Guidance information for assessment	

Range Statement

RANGE STATEMENT	
<p>The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.</p>	
Race strategies	<p>Race strategies include:</p> <ul style="list-style-type: none"> consideration of own and competitor strengths and weaknesses driver/rider psychology determination of suitable pace, timing of pit stops/driver/rider changes, tyre choice and fuel load
Contingency plans	<p>Contingency plans address potential risks and uncontrollable variables. These include, but are not limited to:</p> <ul style="list-style-type: none"> weather changes variation in circuit conditions competition vehicle damage driver error possible competitor strategies
OHS requirements	<p>OHS requirements include:</p> <ul style="list-style-type: none"> state/territory and federal legislation material safety management systems controlling body requirements manufacturer specifications and local safe

RANGE STATEMENT	
	operating procedures
Legislative requirements	Work is carried out in accordance with legislative obligations (including environmental requirements), health regulations, manual handling procedures and team insurance requirements
Tooling and equipment	Tooling and equipment may include: <ul style="list-style-type: none"> • data acquisition equipment and computer software and analysis programs
Information/documents	Information/documents may include: <ul style="list-style-type: none"> • controlling body rules, category rules and supplementary regulations • team procedures relating to race strategies • task instructions including worksheets, checklists, plans, drawings and designs • team procedures relating to reporting and communication • team procedures relating to the use of tooling and equipment • manufacturer/component supplier specifications and application procedures for tooling and equipment

Unit Sector(s)

Unit sector	Motorsport
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Co-requisite units

Co-requisite units	

Competency field

Competency field	
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