



Australian Government

Department of Education, Employment and Workplace Relations

SISOTBR202A Demonstrate basic off-highway motorcycling skills

Release: 2

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Modification History

Not Applicable

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to ride an off-highway motorcycle on tracks and trails at an introductory level under supervision. This unit focuses on the demonstration of basic off-highway motorcycling skills over gentle to moderate terrain with some hazards.

Application of the Unit

This unit applies to those working as assistant off-highway motorcycling tour guides or support staff under supervision.

This unit also applies to outdoor recreation leaders working for outdoor education or adventure providers, volunteer groups, not-for-profit organisations or government agencies.

Licensing/Regulatory Information

Licensing, regulatory or certification requirements apply to this unit at the time of endorsement.

Under State and Territory legislation, Road and Traffic Authorities apply legislation and regulatory requirements in regards to public roads and land.

Pre-Requisites

Nil

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

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.

1. Plan an off-highway motorcycle ride.

- 1.1. Identify and plan ***food and water requirements*** according to the duration of the ride.
- 1.2. Address packaging and storage of food and fluids appropriate for an off-highway motorcycle ride.
- 1.3. Select an appropriate activity site or location or route that complies with ***relevant legislation, organisational policies and procedures*** and ***contextual issues*** relating to the ride.
- 1.4. Access ***relevant sources*** to interpret ***weather and environmental information*** and determine activity plans.
- 1.5. Identify possible ***hazards*** and ***risks*** associated with the ride.

2. Select and use equipment and apparel.

- 2.1. Ensure ***off-highway motorcycle*** is appropriate for the activity, site, location or route and expected ***terrain***.
- 2.2. Select ***apparel and equipment*** that is suitable for all possible weather conditions, and check it is in good working condition.
- 2.3. Adjust and fit equipment to ensure comfort and safety.
- 2.4. Assemble and carry an adequate in-field repair kit.
- 2.5. Pack backpack or bum bag to ensure that heavy contents do not affect balance while riding and sharp contents are not protruding.

3. Conduct pre-start checks.

- 3.1. Perform routine ***pre-start checks*** of the off-highway motorcycle and take action to correct any deficiencies.
- 3.2. Fit attachments and loads, in accordance with manufacturer's specifications, to ensure safety and balance.
- 3.3. Adjust controls according to personal requirements.

ELEMENT**PERFORMANCE CRITERIA**

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| | 3.4. Prepare equipment, where required, for safe transportation to activity location in a manner to minimise damage. |
| 4. Demonstrate off-highway motorcycling skills. | <ul style="list-style-type: none">4.1. Start off-highway motorcycle, as advised by leader, to maintain safety and stability.4.2. Adopt appropriate posture and balance when riding on various terrain, to achieve efficiency, safety and comfort.4.3. Modify techniques to account for changes in terrain and apply recommended weight transfer and distribution techniques during cornering.4.4. Survey track to identify hazards, minimise risks and select the best route according to relevant procedures and to provide suitable traction on track and trails.4.5. Use appropriate techniques to negotiate a range of terrain types and obstacles whilst maintaining control of motorcycle at all times.4.6. Complete parking procedures in line with safe practice.4.7. Demonstrate group riding techniques and take measures to guard personal and group safety. |
| 5. Evaluate the off-highway motorcycle ride. | <ul style="list-style-type: none">5.1. Evaluate relevant aspects of the off-highway motorcycle ride.5.2. Identify improvements for future rides. |

Required Skills and Knowledge

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

Required skills

- planning skills to select an appropriate site or location or route that is relevant to the skill level of participants
- communication skills to interact with other motorcyclists and motorists to make intentions clear and ensure personal safety
- problem-solving skills to decide on motorcycling technique and gear to use according to changes in terrain
- planning and organising skills to ensure all necessary equipment is in good working order
- motorcycle maintenance and repair skills to check, prevent and repair common faults and deficiencies
- navigation skills to plan and follow a chosen route
- first aid and emergency response skills appropriate to the location to enable initial response to emergencies and personal health care.

Required knowledge

- relevant legislation and organisational policies and procedures to enable the safe conduct of all activities
- legislation and organisational policies and procedures to adhere to relevant road and traffic acts
- minimal impact motorcycling codes to enable protection of the environment
- road rules and off-highway motorcycling codes to understand motorcyclists rights and responsibilities on and off-highway, and to maintain safety of other motorists
- equipment types, characteristics and technology used for off-highway motorcycling, the advantages and disadvantages of the range of equipment, and factors affecting appropriate selection of equipment
- maintenance and repair of motorcycling equipment to ensure prolonged life span and safety requirements
- motorcycling techniques such as cornering, braking, clutch use and body positioning used in different terrain
- basic weather and environmental information to ascertain possible conditions and their affect on the ride
- emergency procedures and potential hazards relevant to the location to ensure risk minimisation to self and others.

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.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence of the following is essential:

- applies accurate routine pre start checks and takes action to correct any deficiencies
- selects and utilises apparel and equipment that is suitable for all possible weather conditions to minimise the risk of injury
- follows written and verbal instructions to accurately apply knowledge and demonstrate off-highway motorcycling techniques, such as throttle, clutch and brake usage
- takes measures to guard personal and group safety by identifying and negotiating obstacles and hazards, and using effective communication during the activity
- evaluates and reflects on own motorcycling performance to identify strengths, weaknesses and areas that need improvement.

Context of and specific resources for assessment

Assessment must ensure participation in off-highway motorcycling over gentle to moderate terrain, that is, of sufficient duration to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- a suitable outdoor environment with gentle to moderate terrain, and some hazards and obstacles that allow the motorcyclist to demonstrate the required techniques
- a qualified leader or supervisor
- appropriate equipment and apparel, such as an off-highway motorcycle, helmet, gloves, glasses, suitable clothing and a repair kit.

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- observation of pre-activity safety checks of off-highway motorcycles parts and appropriate repairs made to any deficiency
- oral or written questioning to assess knowledge of

off-highway motorcycling, such as when to change speed and how to use the throttle, clutch and brakes in different terrain

- observation of safe participation and demonstration of off-highway motorcycling skills, such as smooth and timely gear changes across different terrain
- observation of dealing with contingencies, such as equipment failure or change in conditions
- third-party reports from a supervisor detailing performance.

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example:

- SISOTBR201A Select, set up and maintain an off-highway motorcycle.
- TLIH107D Interpret road maps and navigate pre-determined routes.

Range Statement

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.

Food and water requirements may include:

- range of foods
- perishability
- hydration.

Relevant legislation may include:

- Road and Traffic Acts
- occupational health and safety
- permits or permission for access
- environmental regulations.

Organisational policies and procedures may include:

- operating procedures and policies
- occupational health and safety
- use and maintenance of equipment
- communication protocols
- emergency procedures
- code of ethics.

Contextual issues may include:

- weather conditions
- times
- season
- transport
- location
- trip distance and duration
- group objectives
- group size.

Relevant sources may include:

- Bureau of Meteorology
- media
- land managers or agencies
- local knowledge.

Weather and environmental information may include:

- satellite images
- daily and weekly forecasts
- local meteorological conditions
- maximum and minimum temperatures
- event warnings
- river levels
- synoptic charts
- high and low tide predictions.

Hazards may include:

- temperature extremes
- slippery or unstable terrain
- dangerous animals and insects
- stinging trees and nettles
- dense vegetation
- group management hazards.

Risks may include:

- hypothermia
- heat exhaustion
- injuries
- exhaustion
- lost party or party member
- unforeseen weather event
- equipment failure.

Off-highway motorcycle may include:

- off-highway motorcycles
- farm or agriculture motorcycles.

Terrain may include:

- inclines
- sloping terrain
- very soft ground
- rocky areas
- sandy areas.

Apparel and equipment may include:

- safe footwear or boots
- protective clothing
- helmet
- goggles
- knee guards
- elbow guards
- lights
- horn.

Pre-start checks may include:

- tyres and wheels
- controls and cables
- lights and electrics
- oil and fuel
- chain or drive shaft.

Techniques may include:

- change in posture
- change in position on motorcycle or on seat
- weight transfer and distribution
- sitting
- standing
- change of speed
- throttle, clutch control
- brake usage

- smooth and timely gear changes
 - use of controls.
- Obstacles** may include:
- creeks or water masses
 - tree branches
 - logs
 - bumps
 - corrugations
 - depressions
 - ruts
 - declines.
- Tracks and trails** may include:
- private or freehold land open to or used by the public for the payment of money
 - main access road
 - minor access road,
 - tracks
 - firetrails.
- Parking procedures** may include:
- turning engine off before dismounting
 - engaging first gear
 - positioning motorcycle to prevent "tip over"
 - parking away from hazards
 - ensuring thoroughfares are kept clear.
- Measures** may include:
- observation of traffic and other motorcyclists
 - maintenance of safe distance from other riders
 - safe falling
 - self arrest
 - communication methods
 - use of appropriate speed for the terrain and conditions
 - observation of weather conditions and terrain.
- Group safety** may include:
- speed
 - communication
 - distance from other motorcyclists
 - appropriate group riding techniques.
- Communication methods** may include:
- calls
 - radio
 - hand signals
 - bike indicator lights
- Relevant aspects** may include:
- objectives
 - planning process
 - activity site
 - weather

- equipment selection
- clothing selection
- food selection
- group feedback
- directing techniques

Unit Sector(s)

Outdoor Recreation

Competency Field

Trail Bike Riding