



Australian Government

Department of Education, Employment and Workplace Relations

SISOTBR405A Guide extended off-highway motorcycle tours

Release: 2

SISOTBR405A Guide extended off-highway motorcycle tours

Modification History

Not Applicable

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to participate independently in off-highway motorcycle touring activities for overnight or more extended periods. Other related competencies such as navigation and camp craft are defined elsewhere.

Application of the Unit

This unit applies to those working as off-highway motorcycling tour guides who are responsible for planning and conducting overnight and extended tours which may include complex and non-routine situations.

This unit also applies to 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

SISOTBR201A Select, set up and maintain an off-highway motorcycle.

SISOTBR304A Guide off-highway motorcycle tours

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 for an extended off-highway motorcycle tour.	1.1. Identify and plan <i>food and water requirements</i> according to the duration of the tour. 1.2. Select an appropriate <i>route</i> according to <i>route requirements, contextual issues, relevant legislation and organisational policies and procedures</i> . 1.3. Access <i>relevant sources</i> to interpret detailed <i>weather and environmental information</i> and determine tour and contingency plans. 1.4. Identify potential <i>hazards</i> and <i>obstacles</i> associated with off-highway motorcycling and procedures to minimise <i>risks</i> . 1.5. Establish a suitable <i>communication system</i> to use when riding.
2. Select equipment and conduct pre-tour checks.	2.1. Select <i>off-highway motorcycle</i> according to rider's needs and characteristics, proposed conditions, chosen route and terrain, relevant legislation and organisational policies and procedures. 2.2. Select and check suitable <i>apparel and equipment</i> according to contextual issues. 2.3. Perform routine <i>pre-departure checks</i> of off-highway motorcycle and correct any deficiency according to manufacturer's specifications and organisational policies and procedures. 2.4. Select a method for carrying gear appropriate to the terrain and expected conditions. 2.5. Identify <i>comfort items</i> to improve ride according to terrain, weather conditions and route length. 2.6. Secure and transport off-highway motorcycle, where required, according to manufacturer's specifications and organisational policies and procedures.
3. Negotiate an off-highway route.	3.1. Pack and load gear to ensure adverse affects on balance are minimised and gear does not fall off or

ELEMENT**PERFORMANCE CRITERIA**

- become loose.
- 3.2. Adopt appropriate posture and maintain balance and control of the off-highway motorcycle at all times over different terrain types and gradients.
 - 3.3. Maintain tyre pressure at recommended pressure for conditions and load according to organisational policies and procedures.
 - 3.4. Negotiate hazards and obstacles in a safe manner and take *measures* to guard personal and group safety.
 - 3.5. Modify technique to account for changes in terrain and gradient, demonstrating *high level riding skills*.
 - 3.6. Pace motorcycling and adopt safe group riding techniques to maintain group cohesion.
 - 3.7. Use designated lead and or tail motorcycles, where appropriate.
4. Conduct off-highway motorcycle maintenance and repairs in the field.
 - 4.1. Identify the types of repairs that may be necessary and the *tools and spare parts* required to undertake these repairs in-field according to manufacturer's specifications and organisational policies and procedures.
 - 4.2. Assemble and carry an extensive in-field repair kit according to type of motorcycle and activity requirements.
 - 4.3. Conduct routine inspection checks, *maintenance* and repairs as required during the off-highway motorcycle tour.
5. Evaluate tour.
 - 5.1. Evaluate *relevant aspects* of the overnight off-highway motorcycle tour.
 - 5.2. Identify improvements for future tours.

Required Skills and Knowledge

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

Required skills

- problem-solving skills to:
 - safely negotiate hazards and obstacles while riding
 - modify riding technique to account for changes in terrain and conditions,
 - conduct pre start and running maintenance checks and repairs of off-highway motorcycle
- planning and organising skills to source and allocate necessary off-highway motorcycle, apparel and equipment to enable safe overnight and extended riding
- communication skills to interact with other motorcyclists, cyclists and motorists to make intentions clear
- first aid and emergency response skills appropriate to the location to enable initial response to emergencies and personal health care.

Required knowledge

- legislation and organisational policies and procedures to enable safe conduct of all activities
- legislation and organisational policies and procedures to adhere to relevant road and traffic acts
- minimal impact off-highway motorcycling codes to enable protection of the environment
- off-highway motorcycling codes to understand motorcyclist's rights and responsibilities off-highway, and maintain safety of other users
- equipment and off-highway motorcycle types, construction features, characteristics and technology used for off-highway motorcycling and the advantages and disadvantages of the range of equipment to enable appropriate selection, use and maintenance of equipment
- personal apparel and additional safety attire, and the design and or construction features that make it appropriate for overnight and extended off-highway motorcycling activities
- maintenance and repair of off-highway motorcycling equipment to ensure prolonged life span and safety requirements
- common communication methods used in off-highway motorcycling
- extended off-highway motorcycling techniques to enable safe and efficient off highway travel in various terrain
- route planning to determine suitable route and make logistical arrangements
- hazards, obstacles and risks associated with overnight and extended off-highway motorcycling and how to negotiate these
- weather and environmental information to ascertain possible conditions and their affect on the activity
- packing and waterproofing equipment for extended motorcycle tours
- emergency and first aid procedures 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 relevant planning processes for off-highway motorcycling tour and conducts accurate routine checks and maintenance of motorcycle and equipment
- takes measures to guard personal and group safety by identifying and negotiating obstacles, hazards and risks, and selecting apparel that is suitable to all possible weather conditions
- evaluates and reflects on own extended off-highway motorcycling performance to identify strengths, weaknesses and areas that need improvement.

Context of and specific resources for assessment

Assessment must ensure participation in extended off-highway motorcycling tours that are of sufficient breadth and duration to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- a suitable off-highway location for overnight or extended tours
- off-highway motorcycles
- apparel and equipment such as helmets, safe footwear and protective clothing.

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:

- oral and or written questioning to assess knowledge of potential risks associated with extended off-highway motorcycling
- observation of safe participation and demonstration of off-highway motorcycling techniques over a variety of terrain
- observation of dealing with hazards, obstacles and contingencies, such as motorcycle or equipment failure and change in conditions
- observation of conducting motorcycle maintenance checks and repairs

- 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:

- SISOOPS202A Use and maintain a temporary or overnight site.

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.

Route may include:

- combination on highway and off-highway
- off-highway.

Route requirements may include:

- transport
- accommodation and alternate accommodation
- internal and external methods of communication
- permission and permits required for overnight camping or accommodation.

Contextual issues may include:

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

Relevant legislation may include:

- roads and traffic Acts
- occupational health and safety
- permits or permission for access
- environmental regulations.

Organisational policies and procedures may include:

- occupational health and safety:
- use, maintenance and storage of motorcycles and equipment
- environmental impact minimisation procedures
- noise level requirements
- communication protocols
- code of ethics.

Relevant sources may include:

- Bureau of Meteorology
- media
- land managers or agencies

Weather and environmental information may include:

- local knowledge.
- 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:

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

Obstacles may include:

- creeks
- large bumps
- logs
- depressions and pot holes
- ruts and drainage grates.

Risks may include:

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

Communication system may include:

- calls
- radio
- hand signals

Off-highway motorcycle may include:

- off-highway motorcycles
- farm or agriculture motorcycles.

Apparel and equipment may include:

- helmet
- safe footwear
- protective clothing or body armour
- eye protection or goggles
- backpacks or bum bags
- first aid kit
- tools and spare parts.

Pre-departure checks may

- chain or drive shaft
- controls and cables

- include:
- lights and electrics
 - oil and fuel
 - chassis
 - suspension.
- Comfort items*** may include:
- frame guards
 - fork guards
 - seat - foam cover
 - route sheet holder
 - hand guards.
- Rider etiquette*** may include:
- other off highway motorcycle riders
 - other road or track users.
- Measures*** may include:
- observation of traffic, surroundings and other motorcyclists
 - communication with other motorcyclists, motorists and other users
 - application of rider etiquette
 - use of appropriate speed for the terrain and conditions
 - observation of weather conditions and terrain
 - adequate clothing
 - adequate food and fluid intake
 - maintenance of safe distance from other riders.
- High level riding skills*** may include:
- adopting appropriate posture to achieve efficiency and comfort and reduce repetitive strain over long rides
 - applying recommended weight transfer techniques when cornering
 - displaying efficient use of gears across different terrain features
 - demonstrating smooth and timely gear changes
 - applying recommended braking techniques for off-highway conditions
 - choosing routes or lines that minimise damage to the environment and provide suitable traction.
- Tools and spare parts*** may include:
- spare tube and tyre levers
 - patch kit
 - tube valves
 - spanner set and shifter
 - spare nuts, bolts, chain and links
 - electrical and tie wire
 - clutch and throttle cable

Maintenance may include:

- spoke spanner
- chain breaker.
- fluid levels
- air cleaner
- fuel and oil filters
- engine lubrication
- steering and electrical system
- brake checks and adjustment
- gear checks and adjustment
- spoke tension
- chain and sprocket.

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