



Australian Government

Department of Education, Employment and Workplace Relations

SISOTBR507A Instruct advanced 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 instruct off-highway motorcycling activities. This unit focuses on planning, instructing and evaluating an instructional off-highway motorcycling session to enable participants to achieve the skills and knowledge required to participate independently, or with minimal supervision, in off-highway motorcycling activities requiring advanced skills.

Application of the Unit

This unit applies to off-highway motorcycling instructors or program managers who are responsible for planning, implementing and evaluating off-highway motorcycling instructional sessions for groups of participants. This may apply to those working as group instructors for private dirt bike schools or clubs, 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

SISOTBR303A Apply advanced off-highway motorcycling skills

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 motorcycling session.

- 1.1. Establish *participant's needs and characteristics*.
- 1.2. Assess participant's current off-highway motorcycling knowledge in order to determine the *session's aims and objectives*.
- 1.3. Determine an appropriate *instructional plan* according to participant's needs and characteristics.
- 1.4. Develop an *off-highway motorcycling plan* according to participant's needs and characteristics, *relevant legislation* and *organisational policies and procedures*.
- 1.5. Select a suitable site for the session according to participant's needs, session's aims, relevant legislation and organisational policies and procedures.
- 1.6. Identify potential *hazards* and *obstacles* associated with off-highway motorcycling and minimise *risks* according to organisational policies and procedures.
- 1.7. Access *relevant sources* to interpret detailed *weather and environmental information* and determine *contingency plans*.

2. Select and organise equipment and resources.

- 2.1. Select and access *off-highway motorcycles, equipment* and *resources* according to *contextual issues* and organisational policies and procedures.
- 2.2. Check motorcycles and equipment for safety and suitability according to relevant legislation and manufacturer's recommendations.
- 2.3. Correct any motorcycle and or equipment deficiencies and adjust to ensure personal comfort.
- 2.4. Check contents of first aid and *repair kits* to ensure their suitability to the location and activity.
- 2.5. Arrange, where required, protective and or safety clothing for each participant.

ELEMENT	PERFORMANCE CRITERIA
3. Brief participants.	<p>3.1. Communicate instructions and relevant information about the off-highway motorcycling session in a manner appropriate to the participants.</p> <p>3.2. Encourage participants to seek clarification, information and feedback as required during the session.</p> <p>3.3. Establish a suitable communication system for participants to use while participating in motorcycling activities.</p> <p>3.4. Inform participants of known and anticipated hazards, safety procedures and appropriate behaviour.</p> <p>3.5. Check and confirm that all participants' motorcycles and equipment are fitted and adjusted, and clothing and footwear is suitable.</p>
4. Instruct an off-highway motorcycling session	<p>4.1. Conduct introductory activities, where required, to reduce the risk of injury.</p> <p>4.2. Apply clear and accurate instructional techniques to impart activity specific knowledge, advanced motorcycling skills, and safety procedures.</p> <p>4.3. Monitor individual participant's performance during off-highway motorcycling session.</p> <p>4.4. Inform participants of opportunities to further develop their advanced off-highway motorcycling skills and knowledge.</p>
5. Complete post-session responsibilities.	<p>5.1. Retrieve, inspect, repair and store equipment according to organisational policies and procedures.</p> <p>5.2. Provide opportunities for participants to identify their personal progress and satisfaction with the session, and give feedback as required.</p> <p>5.3. Apply feedback and assessment to evaluate relevant aspects of the off-highway motorcycling session and determine the level of learning achieved.</p> <p>5.4. Identify potential areas of improvement for future off-highway motorcycling instructional sessions.</p>

Required Skills and Knowledge

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

Required skills

- communication skills to:
 - consult with participants to plan appropriate off-highway motorcycling sessions
 - convey information about safety aspects
 - interact with participants to create a safe and positive environment
- problem-solving skills to:
 - plan off-highway motorcycling sessions according to participant's needs and characteristics
 - address participant difficulties in developing techniques
 - anticipate and respond to non-routine situations according to contingency plan
- planning and organising skills to:
 - source, allocate and coordinate motorcycles, resources, equipment and a suitable site
 - monitor and evaluate progress
 - organise participants into manageable groups for off-highway motorcycling
- language and literacy skills to:
 - produce off-highway motorcycling and instructional plans for the session
 - complete post-session participant and self evaluations
- instructional techniques to suit a range of participant's needs, characteristics and learning styles to enable effective modification of instruction according to participant needs
- emergency response skills appropriate to the site to enable initial response to emergencies while instructing off-highway motorcycling activities.

Required knowledge

- legislation and organisational policies and procedures to enable safe conduct of off-highway motorcycling sessions
- legislation and organisational policies and procedures to adhere to relevant road and traffic acts
- off-highway motorcycling codes and rider etiquette to understand rights and responsibilities and maintain safety of other riders and motorists
- site specific information to assist in the planning process and enable management of potential hazards and any special restrictions applying to the area
- equipment and 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
- personal and protective motorcycling gear and the design and or construction features that make it appropriate for off-highway motorcycling activities

- instruction techniques and theories applicable to a range of ages and learning abilities
- off-highway motorcycling techniques and common communication methods used between participants to reduce risk during activities
- off-highway motorcycling maintenance tools and spare parts to conduct motorcycle checks and repairs
- weather and environmental information to ascertain possible conditions and their affect on the session
- hazards, obstacles and risks associated with off-highway motorcycling and methods of safe negotiation or avoidance
- safety, emergency and first aid procedures relevant to the site 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:

- plans and delivers information, explanations and demonstrations for off-highway motorcycling sessions to ensure activities are conducted safely according to participant's needs and characteristics
- applies and modifies instructional techniques and or activities to observe and monitor the progress of participants and provides constructive feedback and intervention to improve performance
- evaluates and reflects on own instruction performance to identify strengths, weaknesses and areas that need improvement.

Context of and specific resources for assessment

Assessment must ensure instruction of off-highway motorcycling activities appropriate to the needs and characteristics of a range of participants to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- an off-highway motorcycling location with suitable tracks and trails for the conduct of instructional sessions
- a group of participants to take part in off-highway motorcycling sessions
- off-highway motorcycles and equipment such as helmets, lights, reflectors, protective clothing and footwear
- resources and information regarding participants and location to accurately plan, instruct and document off-highway motorcycling sessions for a variety of participants.

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 planning processes, such as consulting with participants to determine their needs and characteristics
- oral or written questioning to assess application of relevant legislation and organisational policies and

procedures to enable safe conduct of all off-highway motorcycling activities

- observation of safe off-highway motorcycling instruction, monitoring and adjustment according to participant's needs and characteristics
- portfolio of off-highway motorcycling session plans
- third-party reports from a supervisor detailing performance.

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

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.

- Participant's needs and characteristics*** may include:
- age
 - cultural and situational factors
 - previous experience
 - fitness level and physical capabilities
 - injuries and illnesses.
- Session's aims and objectives*** may include:
- developing motorcycle skills
 - education
 - personal development
 - therapy
 - fitness targets
 - recreation.
- Instructional plan*** may include:
- off-highway motorcycling activities
 - duration of activities.
- Off-highway motorcycling plan*** may include:
- session's aims and objectives
 - date, time and duration
 - off-highway motorcycling site
 - instructor and participant ratios
 - off-highway motorcycles, equipment and resources
 - weather details
 - safety requirements
 - risk and contingency management plan.
- 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 and maintenance of motorcycles and equipment
 - risk management procedures
 - time and budget constraints
 - communication protocols
 - confidentiality of participant information
 - environmental and noise level regulations

- Hazards** may include:
- code of ethics.
 - temperature extremes
 - slippery or unstable terrain
 - dangerous animals and insects
 - stinging trees and nettles
 - dense vegetation
 - group management hazards.
- Obstacles** may include:
- bridges
 - water on road
 - trees, bushes and roots
 - bumps
 - ruts
 - depressions and pot holes.
- Risks** may include:
- hypothermia
 - heat exhaustion
 - injuries
 - exhaustion
 - lost party or party member
 - equipment and course failure.
- 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
 - maximum and minimum temperatures
 - event warnings
 - river levels
 - synoptic charts
 - high and low tide predictions.
- Contingency plans** may include:
- change in weather and or conditions
 - motorcycle and or equipment failure
 - unavailability of equipment or suitable site.
- Off-highway motorcycle** may include:
- off-highway motorcycles
 - trailers
 - farm or agriculture motorcycles.
- Equipment** may include:
- helmet
 - safe footwear
 - protective clothing or body armour
 - eye protection
 - knee and elbow guards

- gloves.
 - teaching aids
 - instructional tools.
- Resources** may include:
- Contextual issues** may include:
- weather conditions, including times
 - season
 - transport
 - location
 - trip distance and duration
 - group objectives
 - group size.
- Repair kit** may include:
- spare tube and tyre levers
 - patch kit
 - tube valves
 - spanner set and or shifter
 - pump and or gas bottles
 - spare nuts, bolts, chain and links
 - electrical wire and tape.
- Relevant information** may include:
- motorcycle, equipment and resource requirements, selection and use
 - safety procedures and risk management
 - possible hazards
 - minimal environmental impact practices
 - advanced off-highway motorcycling techniques to negotiate various features
 - logistical details
 - activity boundaries or training area
 - communication
 - rules and codes
 - responsible and safe behaviour.
- Communication system** may include:
- calls
 - radio
 - hand signals
- Safety procedures** may include:
- checking motorcycle and equipment for damage
 - using emergency response, safety and maintenance equipment
 - determining safe areas and boundaries
 - removing, minimising or avoiding hazards
 - enforcing correct instructor or participant ratios
 - managing group in emergency situations
 - following planned emergency response and

Instructional techniques may include:

- safety procedures specific to off-highway motorcycling.
- simple to complex
- part to whole
- chronological
- known to unknown
- D.E.D.I.C.T:
 - demonstrate
 - explain
 - demonstrate
 - instruct
 - critique
 - test
- E.D.I.C.T:
 - explain
 - demonstrate
 - instruct
 - critique
 - test
- I.D.E.A:
 - introduce
 - demonstrate
 - explain
 - apply

Off-highway motorcycling knowledge may include:

- advanced off-highway motorcycling skills and techniques
- off-road features, hazards and obstacles
- minimal impact practices appropriate to off-highway motorcycling
- motorcycle and equipment selection, use and maintenance
- communication systems used in off-highway motorcycling.

Advanced motorcycling skills may include:

- sequence or combination of skill to achieve effective or efficient results
- throttle control
- balance or weight distribution
- clutch and brake control
- standing or sitting position
- angle of approach to various obstacles.

Participant's performance may

- use of appropriate communication system

include:

- off-highway motorcycling technique
- attitude and behaviour
- negotiation of hazards and obstacles
- safe use of motorcycle and equipment.

Opportunities may include:

- off-highway motorcycling sites suitable to skill level
- range of off-highway motorcycling equipment available
- off-highway motorcycling clubs or groups in the local area.

Relevant aspects may include:

- objectives
- planning process
- activity site
- weather
- equipment selection
- clothing selection
- food selection
- instructional content
- instructional technique
- assessment technique
- group feedback
- directing techniques.

Unit Sector(s)

Outdoor Recreation

Competency Field

Trail Bike Riding