



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **SFICOMP310C Operate off-road vehicles**

**Release: 1**

## SFICOMP310C Operate off-road vehicles

### Modification History

Not Applicable

### Unit Descriptor

<b>Unit descriptor</b>	<p>This unit of competency involves operating four-wheel drive vehicles with towed equipment, in off-road conditions in a safe and effective manner.</p> <p>Licensing, legislative, regulatory or certification requirements may apply to this unit. Therefore it will be necessary to check with the relevant state or territory regulators for current licensing, legislative or regulatory requirements before undertaking this unit.</p>
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### Application of the Unit

<b>Application of the unit</b>	
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### Licensing/Regulatory Information

Refer to Unit Descriptor

### Pre-Requisites

<b>Prerequisite units</b>	

## Employability Skills Information

<b>Employability skills</b>	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. Prepare vehicle for operation	1.1. <b>Vehicle</b> is selected to meet operational requirements. 1.2. Preliminary check of the vehicle is completed to ensure it is serviceable. 1.3. <b>Equipment and accessories</b> are checked to ensure they are available and serviceable. 1.4. <b>Start-up checks</b> are completed according to jurisdictional procedures. 1.5. Trailer is attached and loads are arranged and securely tied down according to jurisdictional procedures and legislative requirements. 1.6. Vehicle route is determined taking into account vehicle limitations and safety of vehicle occupants, vehicle and any trailers/equipment attached to vehicle.
2. Drive the vehicle	2.1. Vehicle is driven in a defensive manner taking into account vehicle limitations and the risk of damage to the environment, vehicle and any attached trailer/equipment, and the safety of vehicle occupants. 2.2. Four-wheel drive capability is utilised effectively in response to varying terrain conditions. 2.3. <b>Appropriate measures</b> are taken where <b>environmental</b> factors immobilise or impede progress of vehicle.
3. Follow up vehicle usage	3.1. Vehicle usage logs are completed according to jurisdictional procedures and enterprise requirements. 3.2. Mechanical problems and service requirements are reported or acted upon according to jurisdictional procedures and enterprise requirements. 3.3. Vehicle is left in a clean and tidy manner and parked according to jurisdictional procedures and enterprise requirements.

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

**REQUIRED SKILLS AND KNOWLEDGE**

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

**Required skills**

- towing and manoeuvring a loaded trailer with an off-road vehicle in a range of terrain types
- using four-wheel drive functions.

**Literacy skills used for:**

- filling out vehicle usage logs
- reporting mechanical and service problems.

**Numeracy skills used for:**

- filling out vehicle usage logs.

**Required knowledge**

- limitations of the vehicle in a range of terrain types
- operational components of off-road vehicle
- vehicle operating procedures.

## Evidence Guide

<b>EVIDENCE GUIDE</b>	
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.	
<b>Overview of assessment</b>	
<b>Critical aspects for assessment evidence required to demonstrate competence in this unit</b>	<p>Assessment must confirm ability to:</p> <ul style="list-style-type: none"> <li>operate four-wheel drive vehicles with a towed trailer in an off-road environment whilst demonstrating an awareness of personal safety and that of other users.</li> </ul> <p>Assessment must confirm knowledge of:</p> <ul style="list-style-type: none"> <li>four-wheel drive vehicle operating procedures.</li> </ul>
<b>Context of and specific resources for assessment</b>	<p>Assessment is to be conducted either on the job or in a simulated working environment. Competence should be demonstrated using a four-wheel drive vehicle towing a loaded trailer. All terrain vehicles should be included for fisheries compliance activities if used in the region.</p> <p>Resources may include:</p> <ul style="list-style-type: none"> <li>access to relevant vehicles and loaded trailer.</li> </ul>
<b>Method of assessment</b>	<p>The following assessment methods are suggested:</p> <ul style="list-style-type: none"> <li>observation of practical demonstration</li> <li>written or oral short-answer testing.</li> </ul>
<b>Guidance information for assessment</b>	This unit may be assessed holistically with other units within a qualification.

## Range Statement

<b>RANGE STATEMENT</b>
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

<b>RANGE STATEMENT</b>	
regional contexts) may also be included.	
<b>Vehicle</b> may include:	<ul style="list-style-type: none"> <li>four-wheel drive and all terrain vehicle (ATV).</li> </ul>
<b>Equipment and accessories</b> may include:	<ul style="list-style-type: none"> <li>effective means of communication</li> <li>drinking water</li> <li>first aid kit.</li> </ul>
<b>Start-up checks</b> may include:	<ul style="list-style-type: none"> <li>coolant</li> <li>equipment/locker security</li> <li>fuel</li> <li>instruments and gauges:               <ul style="list-style-type: none"> <li>analog systems indicators (e.g. high-beam, turn signals and parking brakes)</li> <li>audible warning devices</li> <li>brake warning lights</li> <li>electrical charging</li> <li>oil pressure</li> <li>speedometer</li> <li>tachometer</li> <li>temperature</li> <li>warning lights</li> </ul> </li> <li>oil</li> <li>pump</li> <li>visual inspection of vehicle</li> <li>water.</li> </ul>
<b>Appropriate measures</b> may include:	<ul style="list-style-type: none"> <li>assessing floor of creek or river crossing</li> <li>assessing water depth and flow</li> <li>extricate bogged vehicle</li> <li>repair or replace flat or damaged tyres.</li> </ul>
<b>Environmental factors</b> may include:	<ul style="list-style-type: none"> <li>boggy or sandy ground</li> <li>creek or river crossings</li> <li>ice or snow</li> <li>obstructions (e.g. fallen trees and power lines)</li> <li>rugged terrain</li> <li>tidal movements.</li> </ul>

## Unit Sector(s)

<b>Unit sector</b>	Fisheries compliance
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### Co-requisite units

<b>Co-requisite units</b>		

### Competency field

<b>Competency field</b>	
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