



Australian Government

RIIVEH302E Operate multi-combination vehicle

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to operate a multi-combination vehicle in the resources and infrastructure industries.

It applies to those working in supervisory and technical specialist roles. They generally work under minimal supervision to undertake a broad range of skilled applications in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

Licensing, legislative and certification requirements may apply to this unit and can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for multi-combination vehicle operations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required to operate multi-combination vehicle 1.3 Prepare vehicle records and carry out log-on procedures according to workplace procedures
2. Couple and uncouple trailers	2.1 Couple and uncouple trailer according to manufacturer specifications 2.2 Check prime mover and trailer status according to workplace procedures
3. Conduct vehicle checks	3.1 Conduct pre-start checks on vehicle, trailers and ancillary equipment according to workplace procedures 3.2 Test vehicle and trailer operations, record and report faults affecting the safety of the operation to relevant personnel

ELEMENT	PERFORMANCE CRITERIA
	<p>according to workplace procedures</p> <p>3.3 Start engine according to manufacturer guidelines and start-up procedures, and check systems against operational criteria</p>
<p>4. Supervise loading and unloading of goods and materials</p>	<p>4.1 Identify load characteristics, and determine appropriate loading and unloading procedures</p> <p>4.2 Segregate dangerous or hazardous goods according to workplace procedures</p> <p>4.3 Ensure that goods/materials are loaded in accordance with relevant mass and loading regulations and workplace procedures</p> <p>4.4 Select and supervise the use of lifting aids and appliances according to workplace procedures</p> <p>4.5 Conduct unloading activities, considering suitable locations, stowage, safe use of equipment and the balance of remaining load according to workplace procedures</p> <p>4.6 Identify goods requiring special handling and/or documentation and follow procedures</p>
<p>5. Steer, manoeuvre and position vehicle</p>	<p>5.1 Steer, manoeuvre and position vehicle in accordance with traffic regulations and site rules</p> <p>5.2 Ensure vehicle movements are within limits of vehicle and road dimensions and in line with manufacturer specifications</p> <p>5.3 Confine centrifugal forces to load configuration and driving environment</p> <p>5.4 Perform smooth and controlled movements and avoid contact with obstacles</p> <p>5.5 Carry out movements ensuring safety to personnel or damage to property, equipment or facilities, and load</p> <p>5.6 Utilise available road area to increase radius of turn and swept path</p>
<p>6. Manage engine power</p>	<p>6.1 Manage engine power, ensure efficiency of vehicle movement and minimise strain to the engine and drive line according to manufacturer specifications</p> <p>6.2 Operate vehicle within manufacturer specified torque range and temperature according to manufacturer specifications</p> <p>6.3 Coordinate engine power with gear selection and maintain torque range</p> <p>6.4 Effect smooth transition in gear changes, while maintaining engine power and torque range</p>

ELEMENT	PERFORMANCE CRITERIA
7. Monitor and anticipate traffic and road conditions	<p>7.1 Monitor and anticipate traffic and road condition, ensure safety of operation, people, property, equipment, loads and facilities</p> <p>7.2 Achieve vehicle speed and safety using the accelerator, gears, brakes and speed retarding devices</p> <p>7.3 Anticipate traffic flows and use the optimum route of travel</p> <p>7.4 Consider road and traffic conditions, road standards, distance and load</p>
8. Monitor vehicle efficiency	<p>8.1 Monitor the performance of the vehicle to ensure maximum efficiency of operation and fuel consumption</p> <p>8.2 Respond to warning devices and indicators of engine or vehicle reduced performance</p> <p>8.3 Monitor vehicle for any engine malfunctions or factors which may affect vehicle performance</p> <p>8.4 Record and report vehicle faults/damage</p>
9. Park and secure the vehicle	<p>9.1 Bring vehicle to a halt and apply straight line braking techniques according to manufacturer specifications</p> <p>9.2 Park vehicle in an area that is safe and legal in line with traffic</p> <p>9.3 Lock and secure vehicle according to manufacturer specifications</p>
10. Carry out post-operational activities	<p>10.1 Carry out engine shutdown according to manufacturer specifications</p> <p>10.2 Complete post-operational checks according to workplace procedures</p> <p>10.3 Process written maintenance records according to workplace procedures</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	<ul style="list-style-type: none"> Identifies and interprets information from workplace procedures, documentation and regulations
Self-management	<ul style="list-style-type: none"> Monitors and minimises own exposure to worksite risks and hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIIVEH302D Operate multi-combination vehicle.

Links

Companion Volume implementation guides is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>