



Australian Government

RIIVEH303E Drive heavy combination vehicle

Release: 1

RIIVEH303E Drive heavy combination vehicle

Modification History

Release	Comment
1	This unit replaces RIIVEH303D Drive heavy combination vehicle. Performance criteria 1.3 reworded from geological and survey data to 'available information about site conditions'. Added mapping table.

Application

This unit describes a participant's skills and knowledge required to drive heavy combination vehicle in the Resources and Infrastructure Industries.

This unit is appropriate for those working in supervisory and technical specialist roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Elements and Performance Criteria

1. Plan and prepare for heavy combination vehicle operations	1.1 Access, interpret and apply vehicle haulage documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret and clarify/confirm work requirements, such as shift briefings/handover details/work orders before proceeding 1.3 Access, interpret and apply available information about site conditions required to complete the allocated work in accordance with site procedures 1.4 Prepare vehicle records and carry out log-on procedures
2. Operate articulated vehicle	2.1 Resolve coordination activities with others prior to commencement of, and during, the work activity 2.2 Carry out pre-start, start-up, park-up and shutdown procedures 2.3 Attach ancillary attachments to the articulated vehicle 2.4 Operate articulated vehicle with and without ancillary attachments 2.5 Manage engine power, ensure efficiency of vehicle movement, minimise strain to the engine and drive line 2.6 Recognise and respond to hazardous and emergency situations

	2.7 Complete work activity within the operating capacity of the articulated vehicle
3. Couple and uncouple trailers	3.1 Carry out coupling and uncoupling trailer 3.2 Check prime mover and trailer
4. Carry out operator maintenance	4.1 Carry out equipment inspections and fault finding 4.2 Carry out routine operational servicing, lubrication and housekeeping tasks 4.3 Carry out minor maintenance 4.4 Provide operator support during preparation for, and conduct of, major maintenance tasks 4.5 Process written records and reports

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIVEH303E Drive heavy combination vehicle	RIIVEH303D Drive heavy combination vehicle	Performance criteria 1.3 reworded from geological and survey data to 'available information about site conditions'. Added mapping table.	Equivalent

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIVEH303E Drive heavy combination vehicle

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- works effectively with others to undertake and complete effective driving of heavy combination vehicle to meet all required outcomes including:
 - preparing for and organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication techniques and aids to advise others of work activity and exclusion zones
- demonstrates completion of the driving of heavy combination vehicle that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - carrying out log-on, pre-start, start-up, park-up and shutdown procedures
 - attaching ancillary equipment
 - operating, steering, manoeuvring and positioning articulated vehicle with and without attachments
 - managing engine power and efficiency
 - coupling and uncoupling trailer
 - carrying out inspections and identify faults
 - conducting operational maintenance including servicing, lubrication and cleaning
 - processing written records and reports

Knowledge Evidence

The candidate must demonstrate knowledge of the following when driving a heavy combination vehicle:

- planning and organisation of haulage operations
- problem solving skills for haulage operations issues
- location of equipment relative to working environment
- handover procedures
- start up and shutdown procedures
- relevant statutory requirements
- technical information, including manufacturer's manuals related to heavy combination vehicles/trailers, and their operations
- operation of vehicles within specifications and limitations

Assessment Conditions

- Assessors must satisfy the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory competency requirements for assessors; and industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other units of competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this unit of competency, and through the minimum years of current* work experience specified below in an industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an industry subject matter expert. The industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or industry sector as follows:

Industry sector	AQF** Level	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal	1	1 Year

Mining, Extractive (Quarrying) and Civil Construction	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this unit is being assessed outside of the Resources and Infrastructure Sectors, assessor and/or industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and, where no industry standard is specified, should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within industry in a role relevant to the outcomes of the unit; or, for external assessors this can be demonstrated through exposure to industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered to indicate the AQF level

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