



Australian Government

RIIVEH304D Conduct tip truck operations

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIIVEH304A Conduct tip truck operations
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
3	Grammatical correction to Knowledge Evidence. No new content.

Application

This unit describes a participant's skills and knowledge required to conduct tip truck operations in the Resources and Infrastructure Industries.

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

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Elements and Performance Criteria

1. Plan and prepare for tip truck operations	1.1 Access, interpret and apply vehicle haulage documentation and ensure the work activity is compliant 1.2 Obtained, confirm and apply work requirements such as; shift briefings/handover details/work orders, /plans/specifications/quality requirements/operational details 1.3 Identify, obtain and implement signage requirements per the project traffic management plan 1.4 Select vehicle, tools and equipment 1.5 Check tools and equipment for serviceability and rectify or report faults 1.6 Identify, confirm and apply environmental protection requirements from the project environmental management plan
2. Conduct tip truck pre-operational	2.1 Carry out pre-start, start-up, park and shutdown 2.2 Check tip truck controls and functions, including tray,

checks	steering, brakes and manoeuvrability for serviceability and ensure any faults are rectified or reported
3. Operate tip truck	3.1 Identify and manage site operating hazards and risks, apply safe operating techniques 3.2 Manage engine power, ensure efficiency of truck movements, and minimise strain on the engine, drive line and gears 3.3 Coordinate engine power with gear selection, ensure smooth transition and operation within torque range 3.4 Operate tip truck to work instructions 3.5 Monitor road/traffic conditions, consider road conditions, traffic flow, distance and load, ensure safety of people, property, equipment, loads and facilities 3.6 Halt vehicle smoothly, using the engine retarder, gears and brakes
4. Load, transport and tip materials	4.1 Position tip truck at load and discharge points with a minimum of manoeuvre 4.2 Carry out smooth and controlled tip truck movements including the raising and lowering of the tray 4.3 Ensure weight and distribution of load is assessed for type of material and size of vehicle within vehicle capacity 4.4 Maintain safety and security of load, including load cover requirements, from loading site to discharge site 4.5 Discharge load on slope and/or over face at fill site 4.6 Dump/spread material evenly, to work instructions 4.7 Clear, lower and secure tray before resuming travel
5. Carry out operator maintenance	5.1 Ensure tip truck is safely parked and prepared for operator maintenance and shutdown 5.2 Conduct visual and physical inspection and fault finding 5.3 Remove and replace defective parts 5.4 Carry out scheduled maintenance 5.5 Maintain/update and submit vehicle written records
6. Clean up	6.1 Clear work area and dispose of, or recycle, materials 6.2 Clean, check, maintain and store vehicle, tools and equipment

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.

Unit Mapping Information

RIIVEH304 Conduct tip truck operations

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 RIIVEH304D Conduct tip truck operations

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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 completion of tip truck operations 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 tip truck operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - organising work activities to comply with site standards
 - obtain and apply signage requirements
 - carry out log-on, pre-start, start-up, park-up and shutdown procedures
 - operate, steer, manoeuvre and position tip truck
 - raise and lower tray smoothly
 - apply load cover
 - discharge load on slope and/or over face
 - dump and spread materials
 - halt and park tip truck

- carry out inspections and identify faults
- process written records and reports

Knowledge Evidence

The candidate must demonstrate knowledge of the following when conducting tip truck operations through:

- recording, reporting and handover procedures
- start up and shutdown procedures
- vehicles within specifications and limitations and reporting faults in vehicles and ancillary equipment
- tip truck types, characteristics, technical capabilities and limitations
- safety requirements
- operational, maintenance and basic diagnostic procedures
- site isolation and traffic control responsibilities and authorities
- safety data sheet and materials handling methods
- load quantity calculations

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; 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 Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	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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