



Australian Government

RIIVEH304E Conduct tip truck operations

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 conduct tip truck operations 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. Plan and prepare for tip truck operations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required to conduct tip truck operations 1.3 Identify, obtain and implement signage requirements according to the project traffic management plan 1.4 Select vehicle, tools and equipment required for the work activities 1.5 Check tools and equipment for serviceability and rectify or report faults to relevant personnel 1.6 Identify, confirm and apply environmental protection requirements from the project environmental management plan
2. Conduct tip truck pre-operational checks	2.1 Carry out prestart, start-up, park and shutdown according to workplace procedures 2.2 Check tip truck controls and functions, and ensure any faults are

ELEMENT	PERFORMANCE CRITERIA
	rectified or reported to relevant personnel
3. Operate tip truck	3.1 Identify and manage site operating hazards and risks and apply safe operating techniques according to workplace procedures 3.2 Manage engine power, ensure efficiency of truck movements, and minimise strain on the engine, drive line and gears according to manufacturer specifications 3.3 Coordinate engine power with gear selection, ensure smooth transition and operation within torque range according to manufacturer specifications 3.4 Operate tip truck to work instructions according to workplace procedures 3.5 Monitor road and 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 according to manufacturer specifications
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 according to manufacturer specifications 4.3 Ensure weight and distribution of load is assessed for type of material and size of vehicle within vehicle capacity according to manufacturer specifications 4.4 Maintain safety and security of load, including load cover requirements, from loading site to discharge site according to manufacturer specifications 4.5 Discharge load on slope and/or over face at fill site 4.6 Dump and spread material evenly according to workplace procedures 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 according to workplace procedures 5.3 Remove and replace defective parts according to manufacturer specifications 5.4 Carry out scheduled maintenance according to workplace procedures 5.5 Process written maintenance records according to workplace procedures
6. Clean up	6.1 Clear work area and dispose of materials according to workplace procedures

ELEMENT	PERFORMANCE CRITERIA
	6.2 Clean, check, maintain and store vehicle, tools and equipment according to workplace procedures

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	Identifies and interprets information from workplace procedures, documentation and regulations
Self-management	Monitors and minimises own exposure to worksite risks and hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIIVFH304D Conduct tip truck operations.

Links

Companion Volume implementation guides is found on VETNet -

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

Assessment Requirements for RIIVEH304E Conduct tip truck operations

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- conduct tip truck operations on at least two occasions, including:
 - organising work activities to comply with site standards
 - obtaining and applying signage requirements
 - carrying out log-on, prestart, start-up, park-up and shutdown procedures
 - operating, steering, manoeuvring and positioning tip truck
 - raising and lowering tray smoothly
 - applying load cover
 - discharging load on slope and/or over face
 - dumping and spreading materials
 - halting and parking tip truck
 - carrying out inspections and identifying faults
 - processing written records and reports.

During the above, the candidate must:

- locate and apply relevant legislation, documentation, policies and procedures and confirm that the work activity is compliant
- implement the requirements, procedures and techniques for conducting tip truck operations
- work effectively with others to conduct tip truck operations in a way that meets all required outcomes
- communicate clearly and concisely with others to receive and clarify work instructions and to determine coordination requirements prior to commencing and during work activities.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- key legislation required to conduct tip truck operations
- key policies, procedures and documentation required to conduct tip truck operations, including:
 - record, report and handover procedures
 - start up and shutdown procedures
 - safety requirements
 - operational, maintenance and basic diagnostic procedures
 - site isolation and traffic control responsibilities and authorities
 - safety data sheet and materials handling methods
 - vehicle manufacturer specifications and limitations
- tip truck types, characteristics, technical capabilities and limitations
- techniques for reporting faults in vehicles and ancillary equipment
- load quantity calculation techniques
- principles and techniques for identifying relevant hazards and emergencies
- techniques for coordinating and communicating job activities with others.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - personal protective equipment
 - equipment related to conducting tip truck operations
 - relevant documentation
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment* provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 year
	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 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.	

*Guidance on simulated environments has been stipulated in the Companion Volume Implementation Guide located on VETNet.

******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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

******* While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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