



Australian Government

RIICBS303D Conduct materials transfer vehicle operations

Release: 2

RIICBS303D Conduct materials transfer vehicle operations

Modification History

Release	Comment
1	This unit replaces RIICBS303A Conduct materials transfer vehicle 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.

Application

This unit describes a participant's skills and knowledge required to conduct materials transfer vehicle operations in Civil Construction.

This unit is appropriate for those working in operational 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.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare to conduct transfer vehicle operations	1.1 Access, interpret and apply transfer vehicle operations documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Confirm environmental protection and safety requirements 1.6 Obtain, interpret and implement traffic management signage requirements
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	1.7 Select and check for faults plant, tools and equipment to carry out tasks 1.8 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Transfer materials	2.1 Establish communication with other plant operators and personnel 2.2 Fit feeder bin 2.3 Perform start-up, park, shutdown and secure equipment procedures 2.4 Test vehicle controls and functions before commencing operations 2.5 Position transfer vehicle to deliver asphalt to paver without spillage 2.6 Direct delivery truck into position with the materials transfer vehicle 2.7 Receive asphalt from delivery truck into the materials transfer vehicle hoppers and monitor 2.8 Deliver asphalt to paver smoothly and without impact that would cause bounce in the paver 2.9 Maintain speed as directed by paver operator during transfer operations
3. Carry out operator maintenance	3.1 Park safely, shut down and prepare the material transfer vehicle for maintenance 3.2 Conduct inspection and fault finding 3.3 Remove defective parts and replace 3.4 Carry out regular programmed maintenance tasks 3.5 Clean out equipment between changeover of product and/or at the end of the work period
4. Clean up	4.1 Clear work area and dispose of or recycle materials 4.2 Clean, check, maintain and store plant, tools and equipment 4.3 Carry out housekeeping requirements

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

RIICBS303A Conduct materials transfer vehicle 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 RIICBS303D Conduct materials transfer vehicle 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 applicable legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of materials transfer vehicle operations including:
 - selecting and using required tools and equipment
 - positioning and testing vehicles
 - transferring materials
 - carrying out operator maintenance
- works effectively with others to undertake and complete materials transfer vehicle operations that meets all of the required outcomes including:
 - 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 systems such as signage to advise others of work activity and exclusion zone
 - communicating with paver operator to maintain speed during transfer operations
- demonstrates completion of conducting materials transfer vehicle operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - identifying, reporting and recording hazards and risks

- positioning transfer vehicle to deliver asphalt to paver without spillage
- delivering asphalt to paver smoothly and without impact that would cause bounce in the paver

Knowledge Evidence

The candidate must demonstrate knowledge of conducting materials transfer vehicle operations through:

- applying legislative, organisational and site requirements and procedures for:
 - site and equipment safety requirements
 - asphalt paving techniques
 - safe operating techniques in all terrain
- material transfer vehicle equipment types, characteristics, technical capabilities and limitations
- applying and monitoring operational, maintenance and basic diagnostic procedures
- applying site isolation and traffic control responsibilities and authorities
- applying processes for the calculation of material requirements, application rates and travel speed
- safety data sheets and materials handling methods
- applying project quality requirements
- preparing and/or implementing JSAs/JSEA/safe work method statements
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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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