



Australian Government

RIICBS302D Conduct paver screeding operations

Release: 2

RIICBS302D Conduct paver screeding operations

Modification History

Release	Comment
1	This unit replaces RIICBS302A Conduct paver screeding 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 paver screeding 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 paver screeding operations	1.1 Access, interpret and apply paver screeding 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 and apply environmental protection and safety requirements 1.6 Obtain, interpret and implement traffic management signage
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	requirements 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. Set up paver screed	2.1 Set equipment to the correct levels to lay material on surface 2.2 Set electronic levelling equipment to check level 2.3 Set heating controls for screed 2.4 Set screed controls for correct operation
3. Operate paver screed	3.1 Adjust screed during operation as required 3.2 Identify faults in the mat and take correct action to rectify faults 3.3 Monitor work of rake hands and rollers to ensure they are keeping up with the paver 3.4 Maintain communication with paver operator monitoring the progress of the job 3.5 Notify paver operator of problems with the mat 3.6 Perform operator maintenance
4. Clean up	4.1 Handle/dispose of waste material 4.2 Clear work area and dispose of or recycle materials 4.3 Clean, check, maintain and store plant, tools and equipment 4.4 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

RIICBS302A Conduct paver screeding 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 RIICBS302D Conduct paver screeding 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 paver screeding operations including:
 - selecting and using required tools and equipment
 - correctly setting levels, temperature controls and screed controls
 - using electronic equipment to check levels
 - making screed adjustments
 - identifying and correcting faults in mat
 - monitoring rake hands and rollers
- works effectively with others to undertake and complete paver screeding 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
 - notifying paver operator of problems with the mat

- demonstrates completion of conducting paver screeding operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - identifying and reporting hazards and risks
 - conducting paver screeding operations in a minimum of two (2) different bituminous material types/surface types including the following to required thickness, uniformity, line and level, on both matching and unsupported edge in accordance with project specifications and/or work instructions:
 - three (3) longitudinal joints (of at least 100m)
 - six (6) transverse joints
 - five sections of straight paving (one of at least 100 linear metres)
 - three intersections
 - one of the above tasks to include at least one mode of automatic screed levelling

Knowledge Evidence

The candidate must demonstrate knowledge of conducting paver screeding operations through:

- applying legislative, organisational and site requirements and procedures for:
 - site and equipment safety requirements
 - paver screed operations
 - aggregate types and sizes
 - bituminous materials
 - longitudinal and transverse joints
 - safe operating techniques in all terrain
 - housekeeping
- 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 uniformity and travel speed
- safety data sheets and materials handling methods
- monitoring 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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