



Australian Government

RIICBS302E Conduct paver screeding operations

Release: 2

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Modification History

Release	Comment
Release 2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. Editorial corrections in Performance Evidence.
Release 1	This unit replaces RIICBS302D Conduct paver screeding operations. Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

Application

This unit describes the skills and knowledge required to conduct paver screeding operations in civil construction.

It applies to those working in operational roles. The individual is generally a skilled operator and may provide theoretical advice and support a team.

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

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. Prepare to conduct paver screeding operations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply paver screeding operations documentation and confirm work activity is compliant 1.3 Identify environmental issues and potential hazards, and assess and address risks within scope of own role and

ELEMENT	PERFORMANCE CRITERIA
	according to workplace procedures 1.4 Select and wear personal protective equipment required for work activities 1.5 Confirm and comply with environmental protection, safety and traffic management signage requirements 1.6 Select plant, tools and equipment required for tasks, and check for faults within scope of own role and report or rectify in scope of own role 1.7 Obtain and interpret emergency procedures and identify steps required in case of fire, accident and other emergencies
2. Set up paver screed	2.1 Set equipment to required levels to lay material on surface according to manufacturer specifications and job requirements 2.2 Set electronic levelling equipment and check level 2.3 Set heating controls for screed according to workplace procedures 2.4 Set screed controls for operation according to workplace procedures
3. Operate paver screed	3.1 Adjust screed during operation as required 3.2 Identify and rectify faults in the mat in scope of own role and notify paver operator of problems with mat as required 3.3 Monitor work of rake hands and rollers 3.4 Maintain communication with paver operator monitoring job progress 3.5 Perform operator maintenance according to workplace procedures
4. Clean up	4.1 Handle and dispose of waste material as required according to workplace procedures and environmental requirements 4.2 Clear work area and dispose of and recycle materials as required according to workplace procedures and environmental requirements 4.3 Clean, check, perform maintenance on in scope of own role, and store plant, tools and equipment 4.4 Carry out housekeeping to workplace requirements

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, legislation and regulations
Numeracy	Sets and checks paver screeding equipment to ensure required thickness, uniformity, line and level of surfaces
Self-management	Monitors and minimises own exposure to worksite hazards during activities
Oral communication	Uses a range of communication techniques and systems to communicate with others

Unit Mapping Information

Supersedes and is equivalent to RIICBS302D 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 RIICBS302E Conduct paver screeding 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 paver screeding operations according to project specifications on at least two occasions, including:
 - on at least two different bituminous materials or surface types
 - applying at least one mode of automatic screed levelling on at least one occasion.

During the above, the candidate must:

- work on:
 - both matching and unsupported edges
 - three longitudinal joints (of at least 100m)
 - six transverse joints
 - five sections of straight paving (one of at least 100 linear metres)
 - three intersections
- locate and apply legislation, documentation, policies and procedures
- conduct paver screeding to required thickness, uniformity, line and level
- work with others to complete paver screeding operations that meets required outcomes, including:
 - organising work activities to meet task requirements
 - communicating with others to receive and clarify work instructions
 - using a range of communication techniques and systems
 - using signage to advise others of work activity and exclusion zone

- identify and report hazards and risks and implement control measures
- clean, check, perform maintenance on and store equipment
- complete housekeeping 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:

- on site processes and responsibilities relating to site isolation and traffic control
- processes for calculating material uniformity and travel speed
- safety data sheet (SDS) compliance processes
- key components of job safety analyses (JSAs)/job safety environmental analyses (JSEA)/safe work method statements (SWMSs)
- key legislation for conducting paver screeding operations
- key policies, procedures and established requirements for conducting paver screeding operations, including those for:
 - site and equipment safety
 - environmental protection, including waste disposal and recycling
 - work quality
 - longitudinal and transverse joints
 - safe operating techniques in all terrain
 - operating and maintaining equipment
 - communicating with paver operator monitoring job progress
 - establishing exclusion zones
 - housekeeping
- key factors affecting work activities described in performance evidence above, including:
 - equipment types, characteristics, technical capabilities and limitations
 - aggregate types and sizes
 - mat defects and faults
 - bituminous materials.

Assessment Conditions

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

- include access to:
 - paver screeding equipment
 - personal protective equipment
- be conducted in a safe environment; and,
- be assessed in context of this sector's work environment; and,
- be assessed in compliance with legislation/regulation and using policies, procedures, processes and operational manuals 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 sectors 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 competency standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/AQTF 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 a high level of RII training product knowledge
- having an understanding and knowledge of legislations and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence as 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 hold the relevant vocational competencies and have current industry skills directly relevant to the training and assessment being provided and must work alongside a trainer and/or assessor to conduct the assessment. This means the industry subject matter expert should hold the unit being assessed (or an equivalent unit), and must also 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** 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

Industry sector	AQF** level	Required assessor or industry subject matter expert experience
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this unit of competency 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 RII 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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