



Australian Government

RIICWD525D Select pavement surfacing

Release: 2

RIICWD525D Select pavement surfacing

Modification History

Release	Comment
1	This unit replaces RIICWD525B Select pavement surfacing
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 select pavement surfacing in Civil construction.

This unit is appropriate for those working in management or in technical specialist roles

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

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare for the selection of pavement surfacing	1.1 Access, interpret and apply pavement surfacing selection documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and confirm the pavement surfacing project requirements and information 1.4 Prepare a selection plan which makes best use of the available resources
2. Undertake the selection of pavement surfacing	2.1 Interpret and analyse data and identify viable options 2.2 Interpret and analyse data and recommend the preferred option 2.3 Complete the selection of the pavement surfacing 2.4 Prepare a cost estimate for executing the selected pavement surfacing 2.5 Participate in the review of the pavement surfacing selection

	with peers and stakeholders 2.6 Complete required documentation 2.7 Monitor and coordinate the progress of other team members involved in the selection process 2.8 Gain selection approval
3. Finalise selection processes of pavement surfacing	3.1 Ensure filing of selection records is completed 3.2 Complete and submit selection cost and other reporting 3.3 Participate in performance review of the selection process 3.4 Seek client feedback and contribute to the verification of the selection 3.5 Close out all systems
4. Support and review the application of the selection of pavement surfacing	4.1 Provide clarification and advice to those applying the selection 4.2 Review the application of the selection and recommend changes for continuous improvement 4.3 Contribute to the validation of the selection

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

RIICWD525B Select pavement surfacing

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 RIICWD525D Select pavement surfacing

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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 selection of pavement surfacing including:
 - accessing and interpreting plans, drawings, specifications and design briefs
 - accessing and interpreting engineering survey and geotechnical information
 - accessing and interpreting hydrological, meteorological, cultural and heritage data
- works effectively with others to undertake and complete the selection and documentation of pavement surfacing that meets all of the required outcomes including:
 - using a range of communication techniques and equipment to convey information to others
 - maintaining written and verbal reporting requirements
 - organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
- demonstrates completion of select pavement surfacing that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - determine pavement surfacing loadings and capacity requirements
 - select pavement surfacing options
 - determine traffic category to be used in pavement surfacing selection and design
 - select appropriate construction techniques

- develop and apply selection plans
- calculate of areas, volumes, density, mass, grades, loads and stresses
- maintain selection cost records
- prepare a cost estimate
- participate in a design review
- obtain design approval
- complete and submit design cost
- review application of design and recommending changes

Knowledge Evidence

The candidate must demonstrate knowledge in selecting pavement surfacing through:

- applying legislative, organisation and site requirements and procedures for:
 - risk assessment and management
 - statutory compliance
 - work health and safety
 - applying equipment safety requirements
 - complying with emergency issues
 - complying environmental issues
 - complying with WHS
 - quality management
 - verbal and written communication
 - Australian and other relevant standards
 - Industry and organisational design procedures and practice
 - current Industry best practice
 - cost estimation
 - documentation and reporting
 - selection approval
 - record keeping
 - performance review
 - systems close out
- pavement surfacing construction plant and equipment capabilities
- techniques for choosing preferred options
- team leadership techniques
- existing pavement assessment requirements and procedures

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 is best assessed in the context of this sector's work environment; and,

- outcomes of this unit that occur in an office-based setting may be assessed in a simulated 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; 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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