



Australian Government

RIICRC401D Apply the principles of flexible pavement construction

Release: 3

RIICRC401D Apply the principles of flexible pavement construction

Modification History

Release	Comment
1	This unit replaces RIICRC401A Apply the principles of flexible pavement construction
2	Inserted modification history “Plan and prepare” and “Housekeeping” elements in Performance Criteria reconciled with standard format.
3	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 apply the principles of flexible pavement construction in Civil construction.

This unit is appropriate for those working in supervisory roles.

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

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare to apply the principles of flexible pavement construction	1.1 Access, interpret and apply flexible pavement construction 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 correct personal protective equipment appropriate for work activities
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	1.5 Identify and confirm specific task requirements 1.6 Identify, obtain, confirm and implement signage and barriers requirements 1.7 Identify, locate, check for faults and supply all plant, tools and equipment to carry out tasks 1.8 Ensure a job plan is available which makes best use of the available resources and meets task requirements
2. Apply the principles of flexible pavement construction	2.1 Confirm that the necessary resources are available 2.2 Ensure clear and timely instructions are communicated to team members and others involved 2.3 Set out tasks to ensure effective completion of the work activity
3. Oversee the execution of tasks	3.1 Monitor flexible pavement construction task performance to ensure it achieves the required outcomes 3.2 Initiate adjustments to work practice or job plan to ensure required outcomes 3.3 Supply coaching solutions where tasks require problem solving 3.4 Ensure plant equipment and tools maintenance requirements are carried out and recorded 3.5 Monitor movements and hazards and identify and communicate changes to the work environment during the work process
4. Conduct housekeeping activities	4.1 Clear work area and dispose of, reuse or recycling of materials 4.2 Clean, check, maintain and store machinery, tools and equipment
5. Report on the execution of tasks	5.1 Complete and submit written reports 5.2 Recommend changes to improve the safety, efficiency and effectiveness of the execution of tasks

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

No equivalent unit

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 RIICRC401D Apply the principles of flexible pavement construction

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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 relevant documentation, policies and procedures
- implements the appropriate procedures and techniques for the safe, effective and efficient supervision of flexible pavement construction tasks including:
 - accessing, interpreting and applying documentation for applying the principles of flexible pavement construction
 - identifying and applying relevant specifications to all work activities
 - identifying, addressing and reporting potential hazards and risks
 - identifying, obtaining, confirming and supervising the implementation of signage and barrier requirements
 - selecting and checking for faults all plant, tools and equipment to carry out tasks
 - identifying, addressing and reporting environmental issues and ground conditions
 - ensuring a job plan is available and communicated which makes best use of the available resources and meets task requirements
- works effectively with others to plan, prepare and conduct the supervision of flexible pavement construction tasks to meet requirements including:
 - preparing for and organising work activities to meet all task requirements

- communicating clearly and concisely with others to allocate work tasks and give work instructions
- monitoring movements and hazards and identifying and communicating changes to the work environment during the work process
- demonstrates completion of the principles of flexible pavement construction that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - ensuring the provision of all plant, tools, equipment and resources
 - communicating instructions effectively
 - overseeing the allocation, progression and completion of tasks
 - supervising the application of techniques for flexible pavement construction
 - supplying coaching solutions where tasks require problem solving
 - ensuring plant, equipment and tools maintenance requirements are carried out and recorded
 - supervising the clearing of the work area and disposing of, reusing, recycling or storing of materials
 - reporting on the execution of tasks
 - recommending improvements to the safety, efficiency and effectiveness of the execution of tasks

Knowledge Evidence

The candidate must demonstrate knowledge in applying the principles of flexible pavement construction through:

- accessing, interpreting and applying organisation and site requirements and procedures for:
 - identifying and managing risks
 - identifying, addressing and reporting environmental issues
 - setting up work activity
 - site isolation, signage, erecting barriers and traffic control
 - work health and safety
 - managing waste
- selecting and checking for faults, all plant, tools and equipment to carry out tasks
- supervising work to specifications
- the application of the principles and methods of flexible pavement construction
- applying effective techniques to supervising flexible pavement construction

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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