



Australian Government

RIICRC321D Use automated paving guidance systems

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIICRC321 Use automated paving guidance systems
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 use automated paving guidance systems in Civil Construction.

This unit is appropriate for those working in operational 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 use automated paving guidance systems	1.1 Access, interpret and apply automated paving guidance systems 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 1.5 Select and check for faults to plant, tools and equipment to carry out tasks
2. Setup automated paving guidance system	2.1 Setup prisms within site tolerances and according to manufacturer's specifications 2.2 Locate survey equipment according to worksite and

	<p>manufacturer's specifications</p> <p>2.3 Identify and establish control points and theodolite positions for planned operation</p> <p>2.4 Verify survey model is consistent with worksite plans</p> <p>2.5 Calibrate paver to tolerances within manufacturers and worksite specifications</p>
3. Operate automated paving guidance system (AGPS)	<p>3.1 Set APGS controls to automatic control settings</p> <p>3.2 Check signal inputs and automated control is operational</p> <p>3.3 Check freshly paved concrete for conformance against worksite model</p> <p>3.4 Conduct paver/APGS adjustments during operation</p> <p>3.5 Reposition total station as required</p> <p>3.6 Monitor movements and hazards and identify and communicate changes to the work environment during the work process</p>
4. Conduct shutdown operations	<p>4.1 Confirm instructions from supervisor prior to shutdown procedure</p> <p>4.2 Shutdown APGS</p> <p>4.3 Lower sensors on paver</p> <p>4.4 Clean, check, maintain and store total stations</p>

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

RIICRC321A Use automated paving guidance systems

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>