



Australian Government

Assessment Requirements for RIIMPO324E Conduct civil construction grader operations

Release: 1

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Modification History

Release	Comment
1	This unit replaces RIIMPO324D Conduct civil construction grader operations. 'Use of machine guidance system and laser levelling equipment' moved from performance evidence to knowledge evidence. Grammatical amendments made to the performance criteria. Added mapping table.

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 requirements, procedures and techniques for the safe, effective and efficient completion of grader operations including:
 - conducting prestart checks prior to commencing operations and shutdown procedures on completion of operations
 - carrying out vehicle refuelling requirements and procedures
 - driving and operating the equipment to site conditions
 - applying safe work practices and identifying and reporting all potential hazards, risks and environmental issues
 - applying problem solving and troubleshooting techniques
 - applying leveling techniques
 - applying cut and fill techniques
 - conducting towing of equipment/plant
 - selecting and using the required tools and equipment
 - working safely around other machines and personnel
 - safely parking and securing of equipment
 - applying methods of changing machine attachments
- works effectively with others to undertake and complete grader operations that meet all of the required outcomes including:
 - using a range of communications techniques and equipment to convey information to others
 - maintaining written and verbal reporting requirements and procedures

- organising work activities to meet all task requirements
- communicating clearly and concisely with others to receive and clarify work instructions
- demonstrates completion of civil construction grader operations that safely, effectively and efficiently meet all of the required outcomes on more than one (1) occasion including:
 - completion of operations to specification using a variety of material types including:
 - cutting and maintaining drains
 - forming/upgrading/maintaining roads
 - mixing/ spreading materials
 - scarifying and ripping
 - cutting and trimming of batters
 - trimming of road sub-grades and pavements
 - site clean-up
 - form and carry a windrow
 - select, fit and remove at least two (2) attachments

Knowledge Evidence

The candidate must demonstrate knowledge of the following when conducting civil construction grader operations:

- identifying, interpreting ground conditions
- communicating and performing isolation procedures
- identifying equipment processes, technical capability and limitations
- being prepared/preparation for fire/accident/emergency
- identifying signs of operator fatigue and how it should be managed
- interpreting drawings and sketches
- identifying site isolation and traffic control responsibilities and authorities
- using civil Civil construction terminology
- complying with project quality requirements
- applying basic principles of soil technology and soil compaction for civil works
- using basic earthworks calculations
- using civil Civil construction activity sequences of road construction, earthworks and drainage
- using methods for calculating safe working loads
- applying operational, maintenance and basic diagnostics
- completing housekeeping activities
- use machine guidance system and laser levelling equipment

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors. Assessors must satisfy the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory competency requirements for assessors; 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 units of Competencycompetency; 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 unit of Competencycompetency, 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 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.
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*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.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>