



**Australian Government**

**Assessment Requirements for  
RIIMPO320E Conduct civil construction  
excavator operations**

**Release: 1**

# Assessment Requirements for RIIMPO320E Conduct civil construction excavator operations

## Modification History

Release	Comment
1	This unit replaces RIIMPO320D Conduct civil construction excavator operations. Performance criteria 5.3 amended grammatically. Performance evidence 'carrying out vehicle refuelling requirements and procedures' moved to knowledge evidence. Unit mapping table included.

## 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 excavator operations including:
  - conducting prestart checks prior to commencing operations and shutdown procedures on completion of operations
  - 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 levelling techniques
  - selecting and using the required tools and equipment
  - working safely around other machines and personnel
  - safely parking and securing equipment
  - applying methods of changing machine attachments
- works effectively with others to undertake and complete excavator 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 conducting civil construction excavator operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
  - completing operations to specification using a variety of material types and activities including:
    - loading, cutting/boxing
    - stripping/spreading
    - lifting and carrying materials
    - bulk excavation
    - mixing/backfilling
    - trench excavation
    - stockpiling
    - battering
    - benching
    - site clean up
  - fitting and removal of a variety of attachments selected from the following:
    - tilt bucket
    - buckets
    - lifting device
    - vibrating compaction wheel
    - ripper/tyne
    - compaction plate
    - compaction wheel
    - rock breaker
    - auger

## Knowledge Evidence

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

- ground conditions
- isolation procedures
- equipment processes, technical capability and limitations
- preparation for fire/accident/emergency
- signs of operator fatigue and how it should be managed
- drawings and sketches
- site isolation and traffic control responsibilities and authorities
- civil construction terminology
- project quality requirements
- basic principles of soil technology and soil compaction for civil works
- basic earthworks calculations

- Civil construction activity sequences of road construction, earthworks and drainage
- vehicle refuelling requirements and procedures
- using methods for calculating safe working loads
- operational, maintenance and basic diagnostics
- housekeeping activities

## Assessment Conditions

- 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 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.

## Links

Companion Volume implementation guides are found in VETNet -

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