



**Australian Government**

**Assessment Requirements for  
RIIMPO320D Conduct civil construction  
excavator operations**

**Release: 1**

## **Assessment Requirements for RIIMPO320D Conduct civil construction excavator operations**

### **Modification History**

Not applicable.

## 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
  - 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
  - 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 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 consistent timely completion of excavator operations that safely, effectively and efficiently meet the required outcomes on a minimum of three (3) occasions including:
- completion of operations to specification in a minimum of two (2) different soil types on three (3) occasions including:
  - loading
  - lifting and carrying materials
  - bulk excavation
  - backfilling
  - trench excavation
  - stockpiling
  - battering
  - benching
  - site clean up
- fitting and removal of a minimum of three (3) attachments selected from the following:
  - tilt bucket

- buckets
- lifting device
- vibrating compaction wheel
- ripper/tyne
- compaction plate
- compaction wheel
- rock breaker
- auger
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## Knowledge Evidence

The candidate must demonstrate knowledge of conducting civil construction excavator operations through:

- identifying, interpreting ground conditions,
- communicating and performing isolation procedures
- identifying equipment processes, technical capability and limitations
- being prepared for fire/accident/emergency
- identifying signs of operator fatigue and how it should be managed identifying
- interpreting drawings and sketches
- identifying site isolation and traffic control responsibilities and authorities
- using 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 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
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## 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 using Resources and Infrastructure Industry sector specific policies, procedures, processes and operational manuals; and,
- an assessor must demonstrate the skills and knowledge of this unit through five (5) years' work experience in the Industry sector; and,
- where the assessor does not have current experience a co-assessment or partnership arrangement needs to exist between the qualified assessor and an Industry technical expert/ subject matter expert. The Industry technical expert/subject matter expert must hold the unit being assessed and be currently working in the sector with a minimum of two (2) years' of current work experience.
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## **Links**

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>