



**Australian Government**

**Assessment Requirements for RIIVEH305F  
Operate and maintain a four wheel drive  
vehicle**

**Release: 1**

## Assessment Requirements for RIIVEH305F Operate and maintain a four wheel drive vehicle

### Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

### Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- operate and maintain a four wheel drive vehicle on at least two occasions, including:
  - performing pre-departure checks
  - selecting and programming navigation equipment
  - operating a four wheel drive vehicle on and off road
  - applying correct braking techniques according to terrain
  - engaging four wheel drive mode
  - carrying out stop stall key start recovery procedures (only applies to manual licences)
  - selecting routes and applying techniques to minimise damage to the environment
  - identifying and using multiple types of recovery equipment
  - performing recovery of four wheel drive
  - operating a jack to support a four wheel drive on unstable ground.

During the above, the candidate must:

- locate and apply relevant legislation, documentation, policies and procedures and confirm that the work activity is compliant
- implement the requirements, procedures and techniques for operating and maintaining a four wheel drive vehicle
- work effectively with others to operate and maintain a four wheel drive vehicle in a way that meets all required outcomes
- communicate clearly and concisely with others to receive and clarify work instructions and to determine coordination requirements prior to commencing and during work activities.

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- key legislation required to operate and maintain a four wheel drive vehicle
- key policies, procedures and documentation required to operate and maintain a four wheel drive vehicle, including:
  - environmental and land management principles
  - problem solving skills for operation and maintenance of a four wheel drive vehicle
  - handover procedures
  - technical information, including manufacturer manuals related to operation and maintenance of a four wheel drive vehicle
  - operation of vehicles within specifications and limitations
  - faults in vehicles and ancillary equipment
  - driving techniques and handling characteristics of four-wheel drives in different terrain
  - differences between optional four-wheel drive and constant four-wheel drive vehicles and their impacts on vehicle operation and capability
  - tyre management principles
  - hazards associated with vehicle recovery, including:
    - slopes
    - pot holes
    - power lines
    - wet, slippery conditions
    - mud
    - changes in terrain
    - obstacles, including tree branches and poles
  - travelling in convoy
  - area restrictions
  - basic four wheel drive maintenance procedures, including:
    - charging batteries
    - changing fuses and globes
    - jump-starting
    - battery safety
- principles and techniques for identifying relevant hazards and emergencies
- techniques for coordinating and communicating job activities with others.

## Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
  - personal protective equipment

- equipment related to operating and maintaining a four wheel drive vehicle
- relevant documentation
- be conducted in a safe environment; and,
- be assessed in the context of this sector’s work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment\* provided it is realistic and sufficiently rigorous to cover all aspects of this sector’s workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

### Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current\*\* work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous	1	1 year

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 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.	

\*Guidance on simulated environments has been stipulated in the Companion Volume Implementation Guide located on VETNet.

\*\*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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

\*\*\* While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

## Links

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