



**Australian Government**

# **Assessment Requirements for RIIVEH305D Operate and maintain a four wheel drive vehicle**

**Release: 4**

## Assessment Requirements for RIIVEH305D Operate and maintain a four wheel drive vehicle

### Modification History

| Release | Comment   |
|---------|---|
| 1       | This unit replaces RIIVEH305A Operate and maintain a four wheel drive vehicle.  |
| 2       | Editorial corrections.  |
| 3       | Amended Performance Criteria to include further reference to maintenance activities.  |
| 4       | Required frequency and volume of evidence amended in Performance evidence.<br>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. |

## 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
  - works effectively with others to undertake and complete effective operation and maintenance of a four wheel drive vehicle to meet all required outcomes including:
    - preparing for and organising work activities to meet all task requirements
    - communicating clearly and concisely with others to receive and clarify work instructions
    - using a range of communication techniques and aids to advise others of work activity
  - demonstrates completion of the operation and maintenance of a four wheel drive vehicle that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion 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 recovery equipment including:
      - hooks
      - single snatch straps
    - identifying and applying techniques for joining two (2) snatch straps
    - performing recovery of four wheel drive
    - operating a jack to support a four wheel drive on unstable ground

## Knowledge Evidence

The candidate must demonstrate knowledge of the following when operating and maintaining a four wheel drive vehicle:

- apply problem solving skills to operation and maintenance of a four wheel drive vehicle
- recording, reporting and handover procedures
- technical information, including manufacturer's manuals related to operation and maintenance of a four wheel drive vehicle
- operating 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 such as tree branches or poles
- travelling in convoy
- area restrictions
- knowledge of basic four wheel drive maintenance procedures, including:
  - charging batteries
  - changing fuses and globes
  - jump-starting
  - battery safety

## 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 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

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