



Australian Government

**Assessment Requirements for RIIWSV301E
Conduct and maintain well servicing
derrick operation**

Release: 1

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Modification History

Release	Comment
1	This unit replaces RIIWSV301D Conduct and maintain well servicing derrick operation. Substantial amendments made to elements, performance criteria and performance evidence. 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
- works effectively with others to undertake and complete well servicing derrick operations that meet all of the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements throughout work activities
- demonstrates completion of well servicing derrick operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - loading pipe racks, strap and number tubulars
 - cleaning out well bore/drill plugs
 - converting metric and imperial measurements
 - applying numeracy skills to calculate:
 - fractions, decimals, percentages
 - volume
 - quantities
 - weight
 - length
 - density/specific gravity
 - temperature
 - ph (power of hydrogen)
 - basic geometry, e.g. interpreting depth, direction and azimuth and dip of hole

- maintaining housekeeping process during drilling
- performing shutdown and rig out procedures

Knowledge Evidence

The candidate must demonstrate knowledge of the following when conducting and maintaining well servicing derrick operations:

- organisation and site requirements and procedures
- procedures for equipment malfunction or failure
- supervision and training of others to provided standards
- routine maintenance of derrick
- preparation for drilling operations
- preparation for the tripping of tubulars
- identification of blow out prevention equipment and their operation
- assistance required by driller in handling and nipple up of blow out prevention stack
- circulation system cleaning and operating well
- equipment maintenance and disposal of waste properly
- conversion between metric and imperial
- rig maintenance
- milling operations
- man management/rig management

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 is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated 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; 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>