



Australian Government

Assessment Requirements for RIIOGD204E Perform rig floor operations

Release: 1

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Modification History

Release	Comment
1	This unit replaces RIIOGD204D Perform rig floor operations. Substantial amendments to performance criteria. Performance and knowledge evidence amended. 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:

- competently completes all evidence activities with the ability to transfer and apply skills and knowledge to new situations and environments on more than one (1) occasion
- locates and applies applicable legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of performing rig floor operations including:
 - safe handling of tubulars and associated equipment
 - preparation of the casing
 - preparation and operation of the drill string
 - preparation and position of the BOP over wellhead
 - preparation of well control and mitigation equipment
 - using the correct sequence and operation of equipment
 - reading, interpreting and recording in writing all measurements and data required for rig operations
 - identifying the patterns and positions of the sheaves cable and its hanging points
- works effectively with others to undertake and complete the performance of rig floor operations that meets all the required outcomes including:
 - organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
- demonstrates completion of performing rig floor operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - assists in preparing, running and cementing of casing

- prepares and operates pipe handling equipment

Knowledge Evidence

The candidate must demonstrate knowledge in of the following when performing rig floor operations:

- organisation and site requirements and procedures for:
 - rig maintenance, safety and emergency procedures
 - company and statutory safety guidelines, procedures and practices
 - equipment safe operating procedures
 - equipment condition and reporting mechanisms
- the function of the triangular mark stamped just above the casing
- what steps are taken if the well kicks whilst running casing
- lubrication techniques and their application
- normal drilling operations
- non-routine drilling operations
- conversion between metric and imperial
- a range of numerical calculations and measurements including:
 - length
 - quantities
 - volumes
 - conversion rates

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>