



**Australian Government**

# **Assessment Requirements for RIIOGD405D Carry out well control and blow out prevention**

**Release: 1**

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### **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 well control and blow out prevention including:
  - identifying, addressing and reporting potential hazards and risks
  - controlling identified hazards
  - identifying, addressing and reporting environmental issues
  - preparing written records and reports
  - rectifying and/or reporting faults and malfunctions
- works effectively with others to undertake and complete effective well control and blow out prevention that meets all required outcomes including:
  - resolving coordination requirements with others at the site prior to commencing and during work activities
  - preparing for and organising work activities to meet all task requirements
  - using a range of communication techniques and aids to advise others of work activity and exclusion zones
- demonstrates consistent timely application of effective well control and blow out prevention that safely, effectively and efficiently meet all of the required outcomes on a minimum of one (1) occasion including
  - taking measurements such as:
    - penetration rate
    - circulating and pump pressure
    - rotary torque
    - active surface volume
    - frequency
  - making calculations and estimations, including:
    - pressure
    - density
    - volume
    - height
    - velocity
    - length
    - weight
  - interpreting gauges, graphs
  - detecting kick warning signs and indicators
  - completing trip and kill sheet records
  - monitoring drilling operations
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## Knowledge Evidence

The candidate must demonstrate knowledge in applying well control and blow out prevention through:

- accessing, interpreting and applying legislative, organization and site requirements and procedures for:
  - setting up work activity
  - site isolation, signage and erecting barriers
  - work health and safety
  - selecting and checking for faults, all plant, tools and equipment to carry out tasks
  - carrying out work to specifications
  - standard working practices and procedures
  - correct methods to control identified hazards
  - technical solutions for well control and blow out prevention
  - kick detection methods and responses
  - using well control and auxiliary equipment
  - delegating roles and responsibilities of assistants
  - maintaining equipment
  - taking measurements and making calculations
  - responding to emergency situations
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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,
- assessor requirements differ between sectors as follows:
  - when assessing this unit in the context of the **Drilling** sector:
    - an assessor must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through five (5) years of work in the Industry sector; or,
    - where a co-assessment or partnership arrangement exists between a qualified assessor and an Industry technical expert, the Industry technical expert can hold the unit being assessed, and/or demonstrate equivalency of skills and knowledge at the unit level. An Industry technical expert must also demonstrate a minimum of three (3) years of continuous work in the Industry sector, with the preceding one (1) year in the unit they are co-assessing; or,
  - when assessing this unit in the context of the **Coal Mining** sector:
    - an assessor must demonstrate the skills and knowledge of this unit through twelve (12) month work experience in an Industry relevant to the skills being assessed within the last three (3) years; 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 demonstrate competency in the unit being assessed, and be currently working in the sector with a minimum of twelve (12) months' work experience within the last three (3) years.
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## **Links**

JKIM V1 - <http://www.skillsdmc.com.au/>