



Australian Government

Assessment Requirements for RIINHB305E Conduct continuous flight auger drilling

Release: 1

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Modification History

Release	Comment
1	This unit replaces RIINHB305D Conduct continuous flight auger drilling. Performance criteria removed, and, performance and knowledge evidence amended to enable implementation of unit in all required drilling applications.

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 completion of continuous flight auger drilling including:
 - identifying and reporting all potential hazards, risks and environmental issues
 - interpreting geological maps, bore logs, diagrams, plans and instructions used for recording and prediction
 - works effectively with others to undertake and complete the continuous flight auger drilling tasks that meets 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 prior to commencing and during work activities
 - demonstrates completion of the conduction of continuous flight auger drilling that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - collaring borehole, starting hole, maintaining hole alignment, and taking corrective action for deflections
 - making up appropriate drill string
 - handling additional augers, inserting them in the drill string
 - applying rotation, feed and holdback so that flights are substantially full for the soil being drilled at any given depth
 - interpreting flow from the flights and other factors to determine conditions at the bit
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- selecting appropriate strategies for recovery of dropped augers
 - recovering drill string using winch and/or head/kelly and disassemble drill string
 - abandoning, covering/securing bores to ensure safety of others and crew

Knowledge Evidence

The candidate must demonstrate knowledge in conducting continuous flight auger drilling through:

- organisation and site requirements and procedures for:
 - work, health and safety
 - environmental issues
 - operating drill rig
 - housekeeping
- equipment spares and characteristics
- equipment technical capabilities, system limitations, gauge readings and their interpretation
- operational maintenance procedures for rig and equipment including pre-start checks
- basic geological formations likely to be encountered and their properties
- preparation for fire/accident/emergency

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,
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- 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>