



Australian Government

Assessment Requirements for RIINHB208D Assist diamond core drilling

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIINHB208B Assist diamond core drilling
2	Required frequency and volume of evidence amended in Performance evidence. 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
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of assisting with diamond core drilling including:
 - identifying and measuring core bits, reamer shells and related components
 - identifying thread types
 - identifying bits to suit thread types
 - safely storing diamond tools
 - use rod handling equipment and methods
 - adding and removing drill rods to the line string
 - refuelling vehicles, drill rigs and ancillary equipment
 - identifying and applying correct lubricants
 - identifying and applying correct handling of samples
 - conducting housekeeping
 - correctly identifying and mixing drill fluids
 - basic maintenance of mud and/or water delivery pumps
 - applying appropriate lifting techniques
 - collection of sludge and chip samples
- works effectively with others to undertake and complete the assisting with diamond core drilling 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 assisting diamond core drilling that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - assembling core barrel components
 - preparing drill string in readiness for tripping and drilling
 - adding and removing drill rods and core inner tubes
 - dismantling inner tube for recovery of core samples
 - ensuring correct sequencing of core samples in core trays
 - applying correct mixing procedure for the drilling fluid

Knowledge Evidence

The candidate must demonstrate knowledge in assisting diamond core drilling through:

- applying the organisation and site requirements and procedures for:
 - work health and safety
 - environment issues
- identifying reasons for identification and care of samples including storage and transport
- identifying information to be placed on core boxes/core marker blocks
- identifying diamond coring equipment, components and system of names
- identifying requirements for collaring of bore holes, including equipment, methods, seals and installation
- carrying out maintenance of stuffing boxes and/or 'T' pieces
- identifying mud pumps and their applications
- applying basic knowledge of bit types and their applications to different geological conditions
- applying basic knowledge of fluid circulation system and its effect on hole integrity and sample quality

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

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>