



Australian Government

Assessment Requirements for RIIBLA308D Conduct electronic blasting operations

Release: 1

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Modification History

Release	Comment
1	This is the first release of this unit.

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 conducting electronic blasting 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 prior to commencing and during work activities
 - conducting pre-blast briefings
- demonstrates consistent timely completion of blasts using electronic blasting systems that safely, effectively and efficiently meet the required outcomes on more than one (1) occasion including:
 - inspecting blast bench for hazards
 - transporting and supervising explosives and accessories
 - preparing and securing the shot area
 - unpacking, checking, laying out and priming blastholes according to the blast plan
 - charging blastholes, stemming blastholes and testing detonators using specialist equipment
 - identifying the blasting position, considering communication method
 - identifying and solving any errors or non-conforming conditions, communicating and escalating issues with responsible personnel
 - identifying potential misfires
 - programming and initiating the blast
 - conducting post-blast inspection, addressing misfires and communicating with team for safe re-entry

- returning surplus explosives and detonators

Knowledge Evidence

The candidate must demonstrate knowledge of the following when conducting blasts using electronic blasting systems:

- Australian Standards and Codes of Practice
- site and equipment safety policies, procedures, legislative requirements and reporting requirements
- site risk management processes and their applications
- site specific management such as:
 - traffic management
 - road closures
 - rail closures
 - power-line shut-downs
- site security management
- magazine keeping rules and regulations
- shotfiring terminology
- interpreting blast plans
- planning processes
- analysis of site geological and survey data
- selection of appropriate explosives to meet site/ground conditions
- environmental requirements including: ground vibration; airblast; dust; fumes; wind speed and direction; chemicals
- the operating specifications of the specific electronic blasting systems being used, including:
 - common errors
 - equipment characteristics
 - technical capabilities and their applications
 - system limits
 - fault-finding and diagnosis of faults

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.

Links

Companion Volume implementation guides are found in VETNet -

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