



Australian Government

Assessment Requirements for RIIBLA601E Design blasts

Release: 1

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Modification History

| Release | Comment |
|---------|--|
| 1 | This unit replaces RIIBLA601D Design surface blasts. Amendments made to the title and element one to remove 'surface' allowing this unit to be used underground also. Unit application amended. Add 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:

- locates and applies relevant legislation, documentation, policies and procedures
- works effectively with others to undertake and complete designing blasts that meet all of the required outcomes including:
 - 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
 - providing team leadership
- demonstrates completion of designing blasts that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - preparing the blast plan
 - preparing and presenting the blast plan budget
 - communicating, explaining and clarifying the blast plan to team members and others involved
 - monitoring and confirming the results of the blast against blast design requirements and parameters and the budget
 - identifying and resolving variances to the blast plan
 - documenting blast plan activity, variances and outcomes

Knowledge Evidence

The candidate must demonstrate knowledge of the following in designing blasts:

- site risk, statutory compliance, health, safety, environmental, quality and communication requirements and procedures

- geological data
- survey data
- range of blasting parameters
- operational techniques required for execution of the plan
- plant and equipment capabilities
- work planning techniques
- team leadership techniques
- consultative and coaching techniques
- work monitoring methods
- recording and reporting systems

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.

**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>