



Australian Government

RIIEGS202D Conduct field work

Release: 2

RIIEGS202D Conduct field work

Modification History

Release	Comment
1	This unit replaces RIIEGS202B Conduct field work
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.

Application

This unit describes a participant's skills and knowledge required to conduct field work in Metalliferous mining.

This unit is appropriate for those working in operational roles. Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare to conduct field work	1.1. Access, interpret and apply compliance documentation and ensure the work activity is compliant 1.2. Obtain, read, interpret, clarify and confirm work requirements 1.3. Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4. Select and wear personal protective equipment appropriate for work activities 1.5. Carry out surveys using relevant survey equipment 1.6. Conduct reconnaissance survey of the field 1.7. Locate reference pegs where available
2. Design, plot and	2.1. Design a grid from supplied information

lay out a grid	2.2. Plot grid to scale 2.3. Mark baseline and grid datum mark-up pegs with eastings and northings 2.4. Lay out grid using plotting techniques
3. Read and use maps	3.1. Identify the sources of maps 3.2. Identify the types and features of maps used for mineral exploration fieldwork 3.3. Maintain map storage system 3.4. Calculate scales and distances between points 3.5. Calculate bearings relative to true, magnetic, grid and local north
4. Locate mining tenement marks	4.1. Refer to state and federal agencies for information relevant to mining tenements to determine the types of mining tenements and their purpose 4.2. Draw scale maps of mining tenement to statutory regulations 4.3. Obtain and complete forms required to obtain mining tenements to statutory requirements for lodging, and lodge with relevant agencies/authorities 4.4. Mark out, or locate and maintain mining tenement marks to statutory requirements, using Global Positioning System (GPS)

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIEGS202B Conduct field work

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIIEGS202D Conduct field work

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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 the conduct field work including:
 - identifying and using surveying instruments
 - using field testing and measurement instruments/equipment
 - identifying and applying plotting techniques
- demonstrates completion of conducting field work that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - conducting surveys
 - designing and plotting grids
 - calculating scales and distances between points
 - completing mining tenement forms
 - marking out, locating and maintaining mining tenement marks

Knowledge Evidence

The candidate must demonstrate knowledge of conducting field work through:

- data collection and analysis methods
- field surveying methods
- types and features of maps
- reading of maps

- calculation of scales, distances and bearings
- laying out of grids
- plotting techniques
- mining tenement legislation and requirements
- Global Positioning Systems (GPS)
- types of GPS and DGPS/operation of GPS and functions
- satellite coverage
- waypoint generation
- datum conversion
- AMG and latitude/longitude
- track logging

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

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