Australian Government

RIIEGS202E Conduct field work

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to conduct field work in metalliferous mining. It prepares individuals to design, plot and lay out grids, read and use maps and locate mining tenement marks.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Metalliferous mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Plan and prepare to conduct field work	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply compliance documentation required for conducting field work and confirm work activity is compliant 1.3 Identify and minimise environmental issues and potential hazards, and assess and address risks within scope of own role and according to workplace procedures 1.4 Select and wear personal protective equipment required for work activities 1.5 Carry out surveys using required survey equipment 1.6 Conduct reconnaissance survey of the field 1.7 Locate reference pegs where available

ELEMENT	PERFORMANCE CRITERIA
2. Design, plot and lay out a grid	2.1 Design a grid from supplied information according to workplace procedures and task requirements 2.2 Plot grid to scale according to workplace procedures 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 Obtain maps of mining tenement from supervising geologist 4.2 Mark out or locate drill hole or sample collection point locations as per map coordinates using Global Positioning System (GPS)

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	• Calculates and interprets numerical information relating to bearings, scales and distances between points
Reading	• Identifies and interprets information from workplace procedures
Oral Communication	• Listens to clear, sequenced task instructions of several steps and asks clarifying questions as required
Writing	• Records simple and routine information and marks out information on maps
Technology	• Uses GPS to locate and mark out mining tenement

Unit Mapping Information

Supersedes and is equivalent to RIIEGS202D Conduct field work.

Links

Companion Volume implementation guides is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272