



Australian Government

RIIEGS303E Provide geological field assistance

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 collect and classify common rocks, ores and minerals and use geological maps and sections in metalliferous mining.

It applies to those working in operational roles. They generally perform tasks involving a prescribed range of functions involving known routines and procedures and may involve some discretion and judgement in selecting equipment, services and contingency measures.

Licensing, legislative 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare for geological field assistance	1.1 Obtain, read, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply geological field assistance documentation and ensure the 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 Arrange communications method and protocols with field team members 1.5 Select and wear personal protective equipment required for work activities 1.6 Select and obtain relevant geological instruments and field equipment

ELEMENT	PERFORMANCE CRITERIA
	for work activities 1.7 Perform geological instrument and field equipment checks to ensure instruments and equipment are ready for operation 1.8 Obtain and interpret emergency procedures and identify steps required in case of fires, accidents and other emergencies
2. Collect and classify common rocks, ores and minerals	2.1 Take rock, ore and mineral samples according to workplace procedures and geologists' requirements 2.2 Communicate field activities and results to relevant personnel 2.3 Examine specimens or outcrops to identify the properties and classify specimens into geological types 2.4 Compile records of all sampling results according to workplace procedures
3. Use geological maps and sections	3.1 Interpret correct symbols to read geological maps and sections 3.2 Interpret and record geological problems using block diagrams 3.3 Interpret and record geographical features from landforms and maps 3.4 Identify, in weathered outcrop, simple features as signs of the fresh rock type 3.5 Carry out basic geological surveying techniques

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
Writing	Produces and completes workplace records using appropriate vocabulary, grammatical structures and conventions
Self-management	Monitors and minimises own exposure to worksite hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIIEGS303D Provide geological field assistance.

Links

Companion Volume implementation guides is found on VETNet -

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

