



Australian Government

RIIWH5602E Incorporate health and hygiene factors into mine management

Release: 1

RIIWHS602E Incorporate health and hygiene factors into mine management

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 incorporate health and hygiene factors into mine management in the resources and infrastructure industries.

It applies to those who work in management roles. They are generally responsible for the outcomes of others and contribute to the development of solutions to non-routine problems.

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.

Note: The terms Occupational Health and Safety (OHS) and Work Health and Safety (WHS) are equivalent and generally either can be used in the workplace. In jurisdictions where the National Model WHS Legislation has not been implemented RTOs are advised to contextualise the unit of competency by referring to the existing State/Territory OHS legislative requirements.

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. Identify the fundamentals of human disease and injury	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required to incorporate health and hygiene factors into mine management 1.3 Identify the causal chain and focus of common diseases 1.4 Identify the causes, symptoms and impacts of stress on employee health and effectiveness 1.5 Identify the potential impacts of shift work on employee health and effectiveness 1.6 Identify the potential impacts of drug and substance abuse on

ELEMENT	PERFORMANCE CRITERIA
	employee health and effectiveness
2. Incorporate health and hygiene factors into the work environment	2.1 Identify, analyse and use legislative and industry standards as the basis for health and hygiene activities 2.2 Incorporate health and hygiene factors into mine operational planning and management systems
3. Incorporate health and hygiene factors into mine safety management plans	3.1 Establish and resource work injury recording systems 3.2 Establish sanitation and hygiene infrastructure and systems 3.3 Establish chemical and hazardous substances control systems 3.4 Establish atmospheric and dust control measures 3.5 Establish and maintain mine transport networks and rules
4. Establish health and hygiene protection measures for individuals	4.1 Establish, review and update individual medical recruitment and re-appraisal measures 4.2 Establish and resource health and hygiene training systems and programs 4.3 Establish and resource personal protective equipment systems and measures. 4.4 Establish and resource systems and procedures for manual and assisted handling
5. Establish control measures for operational health and hygiene hazards	5.1 Analyse health hazards related to mine lighting and establish systems and procedures 5.2 Analyse health hazards associated with vibration and establish systems and procedures 5.3 Analyse health hazards associated with noise and establish systems and procedures 5.4 Analyse health hazards associated with exposure to extremes of heat/cold and establish systems and procedures 5.5 Analyse health hazards associated with equipment and materials and establish systems and procedures 5.6 Analyse health hazards associated with atmospheric conditions and incorporate control measures and systems into the ventilation/gas management plans 5.7 Analyse health hazards associated with the handling, storage and conveyance of explosives and establish systems and procedures 5.8 Analyse health hazards associated with radiation and radiation sources and establish systems and procedures

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	Prepares specific information that complies with a range of regulatory requirements, using sector-specific terminology
Oral communication	Conveys information and requirements clearly, and listens carefully
Reading	Identifies and interprets relevant information from workplace procedures, documentation and regulations
Problem solving	Identifies a range of factors that impact on a decision, including own values and principles, the needs, power, values, beliefs and assumptions of stakeholders

Unit Mapping Information

Supersedes and is equivalent to RIIWH5602D Incorporating health and hygiene factors into mine management.

Links

Companion Volume implementation guides is found on VETNet -

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

Assessment Requirements for RIIWH5602E Incorporate health and hygiene factors into mine management

Modification History

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

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- incorporate health and hygiene factors into mine management on at least two occasions, including:
 - identifying the fundamentals of human disease and injury that can occur on a mine site and prepares a management plan to manage site health and hygiene factors
 - identifying viable health and hygiene program options, explores and considers options to best meet the required outcomes and communicates outcomes to others
 - establishing and resourcing of health and hygiene training programs
 - analysing health hazards in various forms on site and establishing controls to manage the hazards
 - establishing and communicating effective procedures for conducting enquiries / investigations and preparing written reports
 - using various communicate systems and methods to communicate health and hygiene requirements, ideas and information to others
 - demonstrating support of others to maintain the standards of procedures and instructions in mine site and operations
 - establishing procedures for preparing and documenting policies, plans and procedures
 - evaluating data from monitoring systems for plant/equipment and work processes to improve health and hygiene outcomes.

During the above, the candidate must:

- locate and apply relevant documentation, policies and procedures and confirm that the work activity is compliant
- implement the requirements, procedures and techniques for incorporating health and hygiene factors into mine management
- work effectively with others to incorporate health and hygiene factors into mine management in a way that meets all required outcomes

- communicate clearly and concisely with others to receive and clarify work instructions.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- key policies, procedures and documentation required to incorporate health and hygiene factors into mine management
- principles and techniques for:
 - fundamentals of health and hygiene and the effects on the human body
 - health and hygiene policy requirements
 - health and hygiene objectives, targets, performance indicators and criteria
 - health and hygiene management systems information support requirements and options
 - risk management and control theory and processes
 - health and hygiene training requirements and systems
- principles and techniques for identifying relevant hazards and emergencies
- techniques for coordinating and communicating job activities with others.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - personal protective equipment
 - equipment related to incorporate health and hygiene factors into mine management
 - relevant documentation
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work 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.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 year
	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 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.	

*Guidance on simulated environments has been stipulated in the Companion Volume Implementation Guide located on VETNet.

******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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

******* While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

Links

Companion Volume implementation guides is found on VETNet -

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