



Australian Government

RIISRM601D Establish and maintain the stockpile management system

Release: 2

RIISRM601D Establish and maintain the stockpile management system

Modification History

Release	Comment
1	This unit replaces RIISRM601A Establish and maintain the stockpile management system
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 establish and maintain the stockpile management system in Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in management or technical specialist roles.

No licensing or certification requirements apply to this unit at the time of publication.

Unit Sector

Coal mining

Extractive

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare stockpile management system	1.1 Access, interpret and apply stockpiling operations documentation and ensure the work activity is compliant 1.2 Analyse and document organisation goals, objectives and strategies in relation to the establishment of the management system 1.3 Investigate and analyse worksite environments to develop options, strategies and anticipated outcomes 1.4 Develop and implement strategies that translate the objective into the planning process
2. Facilitate the	2.1 Ensure the requirements for and the purpose of stockpile

design of system	management systems are identified in accordance with legislative requirements 2.2 Ensure specifications for stockpile systems are developed from a comprehensive analysis of site requirements 2.3 Ensure system options are identified from an analysis of all relevant technical, operational and financial information 2.4 Evaluate the economics and efficiency of the stockpiling system options and configurations
3. Facilitate the selection of equipment for the management systems	3.1 Ensure the requirements for and the purpose of stockpile equipment is identified against systems requirements 3.2 Ensure a detailed scoping of the work requirement is conducted, and that key selection criterion, including hazard identification and risk analysis, is developed 3.3 Ensure a specification for the required stockpile equipment is developed 3.4 Ensure the preferred equipment solutions are selected on the basis of performance against specification requirements
4. Facilitate installation and commissioning procedures	4.1 Ensure a procedure to identify hazards and analyse and evaluate risks associated with the installation of stockpiling systems and equipment is developed and implemented 4.2 Ensure the integration of new and existing systems and processes is planned and prepared to achieve optimum performance 4.3 Ensure safe operating procedures and rules are developed from a detailed analysis of site requirements 4.4 Ensure procedures for installing and commissioning stockpile systems and equipment are developed and implemented 4.5 Ensure a program to satisfy identified stockpiling training requirements is implemented 4.6 Ensure emergency response and evacuation systems, plans and procedures are implemented
5. Facilitate the implementation of plans for the operation and maintenance of the systems	5.1 Ensure operational procedures for stockpile systems and equipment are developed from legislative and organisation's requirements and are incorporated into site documentation 5.2 Ensure maintenance procedures for stockpile systems and equipment are developed from legislative and organisation's requirements and are incorporated into site documentation 5.3 Ensure procedures for reviewing and modifying work processes are developed and implemented
6. Establish	6.1 Establish procedures to evaluate and confirm

systems for audit and review of systems	system/equipment compliance with statutory and site requirements 6.2 Ensure future stockpile systems and equipment requirements are identified and assessed and incorporate into planning processes 6.3 Ensure procedures to confirm the currency and compliance of stockpile maintenance and safety standards are developed and implemented 6.4 Ensure the system for recording and reporting of stockpile and equipment information is developed and implemented 6.5 Audit the stockpile training program for currency and relevance 6.6 Ensure procedures for incorporating feedback into the audit/review system are developed and implemented 6.7 Audit emergency response and evacuation systems, plans and procedures for compliance with site requirements 6.8 Ensure procedures for response to instances of non-compliance or other discrepancies/deficiencies revealed by audit are developed and implemented
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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

RIISRM601A Establish and maintain the stockpile management system

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 RIISRM601D Establish and maintain the stockpile management system

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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 applicable legislation, documentation, policies and procedures
- works effectively with others to undertake and effective establishment and maintenance of stockpile management systems to meet all required outcomes including:
- preparing for and organising work activities to meet all task requirements
- communicating clearly and concisely with others to issue and clarify work instructions
- using a range of communication techniques and aids to advise others of work activity and exclusion zones
- demonstrates completion of the establishment and maintenance of stockpile management system that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - analysing and documenting goals, objectives and strategies
 - investigating and analysing work environment
 - developing systems to achieve indicated goals and objectives
 - establish specifications for stockpile management systems
 - carrying out detailed scoping of work to identify:
 - key selection criteria
 - risk and hazard identification
 - required stockpile equipment
- developing and implementing procedures and systems for:

- hazard identification and risk evaluation
- safe operation procedures
- installation and commissioning of stockpile systems
- emergency response and evacuation
- training requirements
- establishing systems for audit, review and documentation of stockpile systems, emergency procedures, training programs and non-compliance

Knowledge Evidence

The candidate must demonstrate knowledge of the following when establishing and maintaining the stockpile management system through:

- plant and equipment capabilities and limitations
- use of strategic planning techniques for stockpile design and configuration
- auditing, monitoring, recording and reporting systems, in consultation with stakeholders
- training systems, identification of training needs for individuals and work groups, and implementation of training plans
- consultation, emergency response and evacuation planning processes and techniques
- critical path analysis, planning methods and techniques
- corporate planning model and techniques
- risk management processes and techniques
- advanced negotiation and assertiveness techniques
- organisational change and development process
- action plans
- site environmental monitoring requirements
- worksite plans and operations
- worksite products
- emergency response and evacuation planning processes and techniques

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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