



Australian Government

RIIMSM302D Plan small mine operations

Release: 2

RIIMSM302D Plan small mine operations

Modification History

Release	Comment
1	This unit replaces RIIMSM302A Plan small mine operations
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 plan small mine operations in Metalliferous Mining (Small Mines).

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 (Small Mines)

Elements and Performance Criteria

1. Plan and prepare for small mine operations planning	1.1. Access, interpret and apply small mine operations documentation and ensure the work activity is compliant 1.2. Plan location of access shaft on a virgin claim to avoid potential ore-bearing ground 1.3. Design and plan shaft to minimise impact on the environment 1.4. Plan location of access shaft on a virgin claim to allow effective location, organisation and access to other mine facilities 1.5. Establish location of a second means of access (secondary shaft) to allow most effective exit from the mine in emergency situations 1.6. If claim is previously mined, inspect conditions of existing shafts to determine the most appropriate access and secondary shafts
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	1.7. Ensure that the access shaft is located in the appropriate place in relation to the planned mine ventilation system 1.8. Plan layout and configuration of surface facilities in relation to access and secondary shaft 1.9. Record shaft location on the mine plan
2. Design and plan location of ventilation shafts or drill holes	2.1. Plan the mining sequence throughout the life of the mine to determine the location of ventilation shafts or drill holes 2.2. Design and determine the location of ventilation shafts for any proposed secondary ventilation system to deliver fresh air to all active drives
3. Design and plan mine workings	3.1. Design mine workings to facilitate minerals discovery 3.2. Design and plan the drive pattern, opening size and development sequence to best extract minerals and for mine ground stability 3.3. Design mine layout to maximise production and movement of materials to the surface 3.4. Determine room and pillar configuration and plot on the mine plan
4. Design and plan materials handling process and equipment	4.1. Design and plan the handling of waste material stored on the surface of the mine 4.2. Design and plan for the installation of hoisting systems and equipment to meet materials movement and compliance documentation 4.3. Plan the system and method for the storage, transport and handling of hazardous materials and/or explosives
5. Develop the mine safety management plan	5.1. Develop, in consultation, the WHS policy for the mine's operations 5.2. Develop, in consultation, and document procedures and methods for the factors covered by the mine safety management plan 5.3. Design and develop, in consultation, document control documents and log book 5.4. Gain approval for the Mine Safety Management Plan from relevant authorities/agencies

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

RIIMSM302A Plan small mine operations

Links

Companion Volume implementation guides are found in VETNet -

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