



Australian Government

RIIRAI601D Establish and maintain the site infrastructure and fixed plant systems

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIIRA601A Establish and maintain the site infrastructure and fixed plant systems
2	Editorial corrections
3	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 site infrastructure and fixed plant systems in Coal and Metalliferous mining and, Extractive.

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

No licensing, legislative 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 site infrastructure and fixed plant systems	1.1 Access, interpret and apply site infrastructure and fixed plant systems documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities
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	1.5 Complete and/or confirm feasibility analysis 1.6 Obtain and confirm statutory/legal approvals 1.7 Carry out title searches 1.8 Prepare detailed plans, budgets, financial models, in accordance with the feasibility analysis 1.9 Prepare requirements for fixed plant and infrastructure within the general site development proposal and submit to the organisation, board or executive for endorsement 1.10 Collect, analyse and organise strategic resource planning information in preparation for decision making 1.11 Estimate impacts on the organisation business plans, and the financial benefit from fixed plant or infrastructure changes
2. Develop and test the detailed site infrastructure proposal	2.1 Access, identify and interpret the legislative, statutory and likely site requirements related to infrastructure 2.2 Identify the requirements for and purpose of infrastructure items in accordance with site design and system of mining 2.3 Develop specifications for infrastructure items from a comprehensive analysis of site requirements 2.4 Identify infrastructure options from an analysis of all relevant technical, operational and financial information 2.5 Select preferred infrastructure options on the basis of projected performance against specification requirements 2.6 Assess, by visit, and confirm potential infrastructure sites/routes and capacities, entered on the site plan
3. Develop and test the detailed site plant proposal	3.1 Access, identify and interpret the legislative, statutory and site requirements related to required fixed plant 3.2 Identify the requirements for and purpose of fixed plant in accordance with site design and system of mining 3.3 Identify supporting mobile plant requirements 3.4 Develop specifications for plant from a comprehensive analysis of site requirements 3.5 Identify plant options from an analysis of all relevant technical, operational and financial information 3.6 Select preferred plant options on the basis of projected performance against specification requirements 3.7 Assess by visit and confirm potential sites for fixed plant, entered on the site plan
4. Obtain and	4.1 Prepare detailed proposals for the site infrastructure

record site infrastructure and plant system approvals	components, layout, specifications and costs 4.2 Prepare detailed proposals for the site plant items, specifications, the locations of fixed plant and costs 4.3 Prepare detailed proposals for supporting plant items and costs 4.4 Obtain formal approvals for the proposed site infrastructure and plant systems in accordance with enterprise policies 4.5 Vary the site infrastructure and plant systems records to reflect any approval conditions and finalise in preparation for implementation
5. Establish systems for audit and review of site infrastructure and plant system	5.1 Establish audit/review procedures and schedule 5.2 Identify and assess future systems and equipment requirements and incorporate into planning processes 5.3 Establish procedures for incorporating feedback into the audit/review system 5.4 Establish procedures for response to instances of non-compliance or other discrepancies/deficiencies revealed by audit

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

No equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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