



Australian Government

RIIENV502D Undertake process or project environmental impact assessment

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIENV502A Undertake process or project environmental impact assessment
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

unit describes a participant's skills and knowledge required to undertake process or project environmental impact assessment in the Resources and Infrastructure Industries.

This unit is appropriate for those working in management roles.

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

Elements and Performance Criteria

1 Describe process or project and the development environment	1.1 Access, interpret and apply environmental impact assessment documentation and ensure the work activity is compliant 1.2 Prepare a written detailed description of the process or project environment before development 1.3 Prepare process or project life cycle with detailed information on all phases
2 Identify environmental issues for process or project	2.1 Work with engineers and scientists to identify environmental issues 2.2 Assess each part of the process or project for impact on the local ecosystem 2.3 State assessment criteria clearly 2.4 Identify both positive and negative impacts 2.5 Evaluate risks and hazards associated with the process or

	project, both short and long term
3 Assess environmental impact	3.1 Assess process or project against environmental regulations, site terms, conditions, licences and company policy 3.2 Make qualified and justified assessment of impact on environment 3.3 Ensure written assessment documents are used as the scientific basis for assessment 3.4 Present written assessment in clearly written and illustrated format
4 Evaluate alternatives	4.1 Ensure all practical solutions to impact assessment are included in analysis 4.2 Prepare objective and scientifically valid alternatives 4.3 Prepare comparisons using cost benefit analysis where possible 4.4 Identify alternative processes or amended project to minimise environmental impact

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

RIIENV502A Undertake process or project environmental impact assessment

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 RIIENV502D Undertake process or project environmental impact assessment

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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 relevant legislation, documentation, policies and procedures
- works effectively with others to undertake and complete effective process or project environmental impact assessment to meet all required outcomes including:
 - preparing for and organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication techniques and aids to advise others of work activity and exclusion zones
- demonstrates completion of undertaking a process or project on environmental impact assessment that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - preparing written descriptions of process or project environment
 - preparing process or project life cycle
 - identifying environmental issues
 - identify assessment criteria
 - identify positive and negative impacts
 - evaluate risks and hazards
 - clearly present written assessment
 - preparing objective and scientifically valid alternatives

- preparing comparisons

Knowledge Evidence

The candidate must demonstrate knowledge of undertaking a process or project environmental impact assessment through:

- accessing, interpreting and applying the organisation and site requirements and procedures
- implementing the organisations environmental policies, goals and procedures
- following the process or project and/or proposal phases
- determining the physical environment as impacted by mining operations
- determining the ecological environment as impacted by mining operations
- identifying land use profiles
- comprehending social issues as impacted by mining operations
- determining the impact of mining operations on infrastructure
- knowledge of applicable legislation, regulation, licenses and permit requirements
- using data analysis systems, including statistical analysis
- identifying support professions role and function (engineers, scientists etc)
- maintaining budgeting and cost cycle planning

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 is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated 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; 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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