



Australian Government

RIICWM501D Implement civil construction plan

Release: 2

RIICWM501D Implement civil construction plan

Modification History

Release	Comment
1	This unit replaces RIICWM501A Implement civil construction plan
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 implement a civil construction plan in Civil construction.

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

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

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare to implement a civil construction plan	1.1 Access, interpret and apply civil construction plan documentation and ensure the work activity is compliant 1.2 Identify hazards and environmental issues associated with the work, evaluate risks and apply controls 1.3 Confirm the availability and accuracy of the project information 1.4 Prepare the scope of work required for the safe effective and efficient implementation 1.5 Identify and schedule resources required to complete the task
2. Prepare the detailed civil construction plan	2.1 Identify the viable available options for the implementation of the civil construction plan 2.2 Select the preferred option and draft the implementation program in consultation with relevant team members and ensure best

	use of the available resources that meet the civil construction plan requirements 2.3 Identify contingency requirements to be allowed for in the execution of the plan 2.4 Monitor and coordinate the progress of other team members involved in the planning process 2.5 Identify the key performance indicators to be used to monitor and assess the project performance 2.6 Identify and clarify the construction milestones required 2.7 Prepare an accurate estimate of the cost of execution in consultation with relevant team members 2.8 Gain approval for the implementation plan 2.9 Document the implementation plan
3. Initiate civil construction implementation plans	3.1 Acquire and make available the necessary resources 3.2 Issue clear and timely instructions to team members and others involved, and ensure the safe, effective and efficient conduct of the plan
4. Monitor, adjust and report on the implementation of civil construction plan	4.1 Monitor the civil construction implementation plan performance and ensure it achieves the required outcomes 4.2 Initiate adjustments to achieve required outcomes 4.3 Provide ongoing clarification and advice to those applying the plan to ensure the successful completion of the project 4.4 Complete and submit written and verbal reports 4.5 Conduct a performance review of the implementation plan 4.6 Recommend improvements to the safety, efficiency and effectiveness

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

RIICWM501A Implement civil construction plan

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 RIICWM501D Implement civil construction plan

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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
- implements appropriate procedures and techniques for the safe, effective and efficient implementation of civil construction plans including:
 - project plans and drawings
 - project specifications
 - project construction briefs
 - project engineering survey information
 - project hydrological data
 - meteorological data
 - project geotechnical data
- works effectively with others to implement a civil construction plan that meets all the required outcomes including:
 - providing clear and timely instruction and supervision using a range of communication techniques to those involved
 - preparing for and conducting briefings, toolbox and site meetings
 - maintaining clear and legible written records and the reporting systems
 - consulting with stakeholders
- demonstrates completion of implementing civil construction plan that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:

- determining viable options and selection of civil construction plans
- confirming availability and accuracy of the project information from one (1) of the following sources:
 - consultation with the client
 - consultation with others within the organisation
 - obtaining further site data including:
 - geological data
 - survey data
 - hydrological data
 - meteorological data
- successful implementation of a civil construction plan

Knowledge Evidence

The candidate must demonstrate knowledge in the implementation of a civil construction plan through:

- accessing, interpreting and applying legislative, organisation and site requirements and procedures for:
 - risk assessment and management
 - statutory compliance
 - the development of a construction implementation plan
 - work, health and safety
 - environmental management
 - quality management
- communication
- sources of information on innovation and new technology
- contract management
- team leadership
- cost estimation
- recording and reporting
- organisational and site operational obligations
- materials quality and delivery requirements and procedures
- principles of road user behaviour

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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