



Australian Government

RIICFW303D Install primary ground support

Release: 2

RIICFW303D Install primary ground support

Modification History

Release	Comment
1	This unit replaces RIICFW303A Install primary ground support
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 install primary ground support in Civil Construction.

This unit is appropriate for those working in operational 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	1.1 Access, interpret and apply documentation to install primary ground support and ensure the work activity is compliant 1.2 Obtain, interpret and clarify and confirm work instructions before proceeding 1.3 Confirm and apply environmental protection and safety requirements 1.4 Obtain, interpret and implement traffic management signage requirements 1.5 Select, and check for faults, plant, tools and equipment to carry out tasks 1.6 Select and wear correct personal protective equipment appropriate for work activities 1.7 Identify, address and report environmental issues, potential
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	hazards and risks 1.8 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Set out and prepare for primary ground support	2.1 Determine the requirements for ground support construction 2.2 Identify and implement method of ground support installation 2.3 Obtain material required for primary ground support 2.4 Install primary ground support in accordance with the progressive development of the excavation process 2.5 Set out position of sets/rings and points of support 2.6 Prepare component parts of ground support
3. Install primary ground support	3.1 Select relevant primary ground support system 3.2 Install primary ground support system
4. Maintain primary ground support	4.1 Carry out daily inspection of primary ground support to ensure system is secure 4.2 Identify faults and make adjustments to ensure ground support is maintained 4.3 Identify ground faults and determine and carry out support rectifications
5. Clean up	5.1 Clear work area and dispose of or recycle materials 5.2 Clean, check, maintain and store plant, tools and equipment

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

RIICFW303A Install primary ground support

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 RIICFW303D Install primary ground support

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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
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of primary ground support installation including:
 - using correct method for ground support
- works effectively with others to undertake and complete the installation of primary ground support that meets all of the required outcomes including:
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication technique and systems such as signage to advise others of work activity and exclusion zones
- demonstrates completion of installing primary ground support that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - setting out position of sets/rings and points of support
 - installing at least one of the following primary ground support systems to specifications:
 - sets and rings for two (2) projects
 - sheet piling for one (1) project
 - panel and box sets for two (2) projects
 - maintaining primary ground support through inspections, fault identification and implementation of adjustments/rectifications

Knowledge Evidence

The candidate must demonstrate knowledge of installing primary ground support through:

- applying organisation, site requirements and procedures for:
 - site and equipment safety requirements
 - foundation work
 - construction principles
 - water erosion
 - project quality requirements
 - civil construction terminology
- selecting and using relevant tools and equipment safely
- describing primary ground support systems and their installation techniques
- describing scaffolding and work platform installation
- interpreting engineering drawings
- identifying soil, sand, rock, clay, shale, gravel and silt types and characteristics
- identifying equipment types, characteristics, technical capabilities and limitations
- applying and monitoring operational, maintenance and basic diagnostic procedures
- applying site isolation and traffic control responsibilities and authorities
- interpreting and complying with materials safety data sheets and materials handling methods
- project quality requirements
- civil construction terminology
- preparing and/or implementing JSA/JSEA/safe work method statements

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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