



Australian Government

Assessment Requirements for RIICFW304D Conduct pile driving operations

Release: 1

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Modification History

Not applicable.

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
- works effectively with others to undertake and complete pile driving operations that meets all 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 consistent and timely completion of pile driving operations that safely, effectively and efficiently meet all of the required outcomes on a minimum of three (3) separate occasions including:
 - conducting pre start-checks
 - identifying and protecting area for pile driving
 - driving a minimum of two (2) timber piles or two (2) pre-cast concrete piles
 - driving using at least one (1) of the three pile hammering methods
 - dismantling and relocating piling rig
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Knowledge Evidence

The candidate must demonstrate knowledge of the following when conducting pile driving operations through:

- applying legislative, organisation and site requirements and procedures for:
 - site and equipment safety requirements
 - foundation work
 - construction principles
 - water erosion
 - project quality requirements
 - civil construction terminology
 - driving piles
- selecting and using relevant tools and equipment safely
- identifying and reporting hazards related to the worksite and work activity
- describing piles 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
- describing processes for installing piles in water
- identifying equipment types, characteristics, technical capabilities and limitations
- describing site isolation and traffic control responsibilities and authorities
- interpreting and complying with materials safety data sheets and materials handling methods

- preparing and/or implementing JSA/JSEA/safe work method statements
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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 using Resources and Infrastructure Industry sector specific policies, procedures, processes and operational manuals; and,
- an assessor must demonstrate the skills and knowledge of this unit through five (5) years' work experience in the Industry sector; and,
- where the assessor does not have current experience a co-assessment or partnership arrangement needs to exist between the qualified assessor and an Industry technical expert/ subject matter expert. The Industry technical expert/subject matter expert must hold the unit being assessed and be currently working in the sector with a minimum of two (2) years' of current work experience.
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Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>