



Australian Government

**Assessment Requirements for RIICBS408D
Apply the principles for the manufacture of
cold mix**

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 relevant legislation, documentation, policies and procedures
- implements the procedures and techniques for the safe, effective and efficient manufacture of cold mix including:
 - interpreting project contract and specification requirements and procedures
 - interpreting project site soil and geological data
 - identifying soil and rock types
 - interpreting meteorological data
 - interpreting material properties and test results, including compaction test results
 - interpreting project engineering
 - ring survey information
 - interpreting project plans and drawings
 - interpreting project specifications
- works effectively with others to plan, prepare and conduct the manufacture of cold mix including:
 - communicating clear and timely instructions to those involved
 - preparing for and conducting briefings, toolbox and site meetings
 - maintaining clear and legible written records and the reports
- demonstrates consistent timely successful manufacture of cold mix that safely, effectively and efficiently meet all of the required outcomes on a minimum of one (1) occasion including:
 - preparation of job plan, which includes at least five (5) of the following;
 - human resource requirements
 - plant and machinery requirements
 - construction materials requirements
 - sub-contractor support requirements
 - waste disposal requirements
 - coordination requirements
 - activity scheduling
 - materials delivery scheduling
 - risk assessment and management requirements
 - occupational health and safety requirements
 - quality management requirements, including testing scheduling requirements
 - traffic management requirements
 - environmental requirements
 - task monitoring requirements
 - task performance monitoring requirements
 - communication requirements
 - reporting requirements
 - assessment of resource requirements including at least two (2) of the following;
 - labour

- plant, equipment and tools
- highway haulage vehicles
- materials for the manufacture of cold mix
- sub-contractor services
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Knowledge Evidence

The candidate must demonstrate knowledge in applying the principles for the manufacture of cold mix through:

- accessing, interpreting and applying legislative, organisation and site requirements and procedures for:
 - risk assessment and management
 - statutory compliance
 - workplace health and safety
 - environmental management
 - workplace communication
 - quality management
 - work zone traffic management
 - contract management
 - job administration
 - plant, equipment and tools maintenance
 - materials deliveries
 - supervising workplace relationships
 - binder and product handling and storage
 - cold mix delivery truck loading
 - cold mix raw materials and product delivery
- cold mix manufacturing plant and equipment capabilities and application
- understanding operational techniques for the execution of the manufacture of cold mix
- cold mix manufacturing resource requirements and procedures
- understanding cold mix manufacturing, sampling testing and production monitoring methods
- hot mix asphalt manufacturing sampling, testing and production monitoring methods
- scheduling work activities
- relationship between various areas of resources and infrastructure industries
- monitoring methods
- resource requirements
- conducting activities scheduling
- applying estimating principles
- applying civil works construction sequencing
- cold mix manufacture and related activities' terminology
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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/>