



Australian Government

**Assessment Requirements for RIISTD301D
Take environmental samples and
measurements**

Release: 1

Assessment Requirements for RIISTD301D Take environmental samples and measurements

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 documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of taking environmental samples and measurements including:
 - using computers/data management devices and programmes
 - reading and interpreting databases and spreadsheets
 - solving problems associated with collecting environmental sampling and measurements
- works effectively with others to undertake and complete taking environmental samples and measurements that meet all of the required outcomes, including:
 - liaising with others to establish permits and coordinate access to sampling area
 - using a range of communications techniques and equipment to convey information to others
 - maintaining written records and reporting requirements
- demonstrates consistent timely completion of taking environmental samples and measurements that safely, effectively and efficiently meet the required outcomes on a minimum of three (3) occasions including:
 - interpreting the sample plan to identify the type of sample requested and the location, quantity and frequency of sampling
 - collecting, storing and transporting environmental samples and ensuring:
 - minimising environmental impacts
 - maintaining the integrity of samples
 - measuring, recording and storing accurate readings and data
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Knowledge Evidence

The candidate must demonstrate knowledge of take environmental samples and measurements through:

- accessing, interpreting and applying the organisation and site requirements and procedures for:
 - worksite safety systems information
 - worksite communication, reporting and recording procedures
 - sampling
 - measurement taking
 - waste management, clean up and spillage
 - handling, transport and storage of dangerous goods
 - health, safety and environment requirements
 - methods for retaining sample/measurement integrity
 - common readings and measures expected
- types of communication systems and equipment

- identifying and using key terminology and concepts, such as: sample, contamination, traceability, integrity, chain of custody
- purpose for which the samples/measurements are being collected
- the function of key sampling/measurement equipment/materials and principles of operation
- hazards and risks associated with sampling/measurement
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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,
- assessor requirements differ between sectors as follows:
- when assessing this unit in the context of the Drilling sector:
 - an assessor must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through five (5) years of work in the Industry sector; or,
 - where a co-assessment or partnership arrangement exists between a qualified assessor and an Industry technical expert, the Industry technical expert can hold the unit being assessed, and/or demonstrate equivalency of skills and knowledge at the unit level. An Industry technical expert must also demonstrate a minimum of three (3) years of continuous work in the Industry sector, with the preceding one (1) year in the unit they are co-assessing; or,
- when assessing this unit in the context of the Metalliferous Mining sector:
 - an assessor must demonstrate the skills and knowledge of this unit through five (5) years of current and continuous work with the Industry sector and must hold the TAE Assessor Skill Set or equivalent; or,
- when assessing this unit in the context of the Coal Mining sector:
 - an assessor must demonstrate the skills and knowledge of this unit through twelve (12) month work experience in an Industry relevant to the skills being assessed within the last three (3) years; 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 demonstrate competency in the unit being assessed, and be currently working in the sector with a minimum of twelve (12) months' work experience within the last three (3) years; or,
- when assessing this unit in the context of the Extractive sector
 - 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; or,
- when assessing this unit in the context of the Civil Construction sector
 - 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/>