



Australian Government

Assessment Requirements for RIISDM501D Conduct mine surveying 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 relevant legislation, documentation, policies and procedures
- works effectively with others to undertake and complete mine surveying operations tasks that meet all the required outcomes, including:
 - stakeholder consultation and management
 - communicating and presenting information to clients
- demonstrates consistent and timely conducting of mine surveying operations that safely, effectively and efficiently meet all the required outcomes on a minimum of one (1) separate occasions including:
 - identifying all aspects of mine surveying operations
 - identifying the full range of surveying equipment
 - using surveying equipment to gather meaningful spatial data
 - organising, processing and collating spatial and textual data into database
 - analysing spatial data and information
 - collating and relating data to specific areas of operations
 - assembly of data into useful sets of information
 - preparing information and detailed reports in a format and detail appropriate to the client/stakeholder
 - check and calibrate survey instruments to ensure correct and accurate measurements
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Knowledge Evidence

The candidate must demonstrate knowledge in conducting mine surveying operations through:

- effective communication techniques
- strategic planning techniques
- professional judgment
- attention to detail
- effective observation techniques
- measurement techniques
- limitations of equipment, measuring and analysis guidelines
- map reading and spatial comprehension techniques
- mine operations
- cartographic principles
- surveying techniques
- spatial reference systems
- spatial data reduction and manipulation techniques
- GIS principles and techniques
- relevant standards, licenses and permits
- community / client / stakeholder expectations
- consultative strategies

- alternative documentation systems for procedures
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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 is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; 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 **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.

Links

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