



Australian Government

Assessment Requirements for MSS027024 Select, commission and maintain environmental monitoring instruments

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Performance criteria changed. Range of conditions removed. Assessment requirements changed. Supersedes and is equivalent to MSS027011 Select, commission and maintain environmental monitoring instruments.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- selected, commissioned and maintained at least 2 environmental monitoring instruments
- trained at least 2 operators to use a monitoring instrument correctly, safely and reliably.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- environmental monitoring terms and concepts, and measurement parameters used in job role
- workplace procedures and methods for conducting surveys, monitoring, sampling and in-situ measurements used in job role
- instrumentation terms and concepts, including operating voltage, accuracy, response time, sensitivity, detection limit, linearity and instrument uncertainty
- characteristics, capabilities, limitations, function of key components and operating principles for monitoring instruments used in the workplace
- role and importance of regular calibration and pre-use checks and maintenance
- common instrument faults, troubleshooting, recommended remedial actions and repairs
- common instrument operator errors
- adult learning principles
- instrument hazards, health, safety and workplace emergency response procedures.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - environmental management plan
 - environmental monitoring instruments, specifications and manuals
 - workplace procedures for procurement of equipment and materials

- background information
- workplace information management systems.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

The MSS Sustainability Companion Volume Implementation Guides are available from VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>