



Australian Government

**Assessment Requirements for MSL974009
Undertake field-based, remote-sensing
monitoring**

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSL974009A Undertake field-based, remote-sensing monitoring

Performance Evidence

Evidence of competence in this unit must satisfy all of the requirements of the elements and performance criteria, and include demonstration of:

- organising and safely undertaking defined field-based, remote-sensing monitoring activities on at least two (2) occasions
- accurately identifying and interpreting statutory requirements
- safely undertaking reconnaissance and evaluating monitoring sites
- confirming type, quantity and quality of data needed for defined monitoring activities
- safely packaging and transporting supplies, equipment and instruments into the field
- identifying and establishing a secure field monitoring site according to defined criteria
- assembling, testing and closing down a field-based, remote-sensing monitoring system on-site
- performing calibration and pre-use checks and maintaining equipment and systems in accordance with workplace procedures
- operating the monitoring system to collect and store reliable data in accordance with workplace and data quality procedures
- communicating effectively and efficiently with staff and other relevant parties and negotiating satisfactory agreements
- responding effectively to changed or unforeseen circumstances
- recognising hazards and risks and following all safety and environmental requirements.

Knowledge Evidence

Must provide evidence that demonstrates knowledge of:

- terminology, protocols and statutory requirements relevant to field-based environmental monitoring activities conducted as part of job role
- purpose and objectives of the monitoring activities conducted as part of job role, including:
 - information and analysis required
 - end users of information
 - significance of outcomes for broader programs
- operating principles, technical capabilities and limitations of remote-sensing equipment and instruments used
- basic fault identification and rectification procedures for field instruments and monitoring system
- data quality, data storage, analysis and presentation procedures
- workplace and/or legal traceability requirements
- hazards and risks associated with field-based, remote-sensing monitoring
- field-based work health and safety (WHS) requirements, emergency plans and environmental requirements.

Assessment Conditions

- Judgment of competence must be based on holistic assessment of the evidence. Assessment methods must confirm consistency of performance over time, rather than a single assessment event.
- This unit of competency is to be assessed in the workplace or a simulated workplace environment. A simulated workplace environment must reflect realistic operational workplace conditions that cover all aspects of workplace performance, including the environment, task skills, task management skills, contingency management skills and job role environment skills.
- Foundation skills are integral to competent performance of the unit and should not be assessed separately.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Knowledge evidence may be collected concurrently with performance evidence or through an independent process, such as workbooks, written assessments or interviews (provided a record is kept in each case).
- This unit of competency may be assessed with:
 - MSL935004 Maintain instruments and equipment
- Holistic assessment methods include:
 - review of data and results obtained by the candidate
 - feedback from supervisors and peers about the candidate's performance in the field
 - observation of the candidate assembling, conducting calibration and pre-use checks and operating a field-based, remote-sensing monitoring system on-site to collect and store reliable data
 - review of the candidate's response to simulation exercises, such as accident and emergency situations, and/or checking and testing equipment
 - oral and/or written questions covering specifications, requirements, workplace procedures and equipment/instruments used for monitoring activities conducted as part of job role.
- Access is required to instruments, equipment, materials, workplace documentation, procedures and specifications associated with this unit, including, but not limited to:
 - work program, workplace procedures covering safety and risk assessment, first aid, survival and emergency procedures, environmental requirements, codes of practice and field protocols
 - vehicles, monitoring and communication equipment, consumables and manuals.
- Assessors must satisfy the assessor competency requirements that are in place at the time of the assessment as set by the VET regulator.
- The assessor must demonstrate both technical competence and currency.
- Technical competence can be demonstrated through:
 - relevant VET or other qualification/Statement of Attainment AND/OR
 - relevant workplace experience.
- Currency can be demonstrated through:
 - performing the competency being assessed as part of current employment OR
 - having consulted with a laboratory about performing the competency being assessed within the last twelve months.

Links

MSA Training Package Implementation Guides - <http://mskills.org.au/training-packages/info/>