



Australian Government

Assessment Requirements for MSL935001 Monitor the quality of test results and data

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSL935001A Monitor the quality of test results and data

Performance Evidence

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

- analysing at least one (1) series of test results and data to detect potential or actual non-conformances, assessing their significance, identifying potential causes and recommending preventative or corrective actions
- reviewing the accuracy and completeness of at least one (1) set of technical records for sampling or testing activities
- reviewing the accuracy and completeness of at least one (1) set of instrument calibration/performance records
- recognising significant trends in data and/or aberrant results
- using statistical tests to estimate uncertainties and determine data acceptability
- applying effective problem-solving strategies, such as root cause analysis
- following workplace procedures for documenting and reporting information about quality.

Knowledge Evidence

Must provide evidence that demonstrates knowledge of:

- characteristic properties of the materials under investigation
- specifications for samples, tests and/or calibration activities under investigation
- scientific and technical knowledge of the procedures, equipment, materials and instrumentation used to generate the test results and data
- at least three (3) statistical tests used to estimate uncertainties and determine data acceptability
- workplace data quality procedures and/or legal traceability requirements
- relevant hazards, work health and safety (WHS) and environment requirements

Assessment Conditions

- Judgement 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:
 - MSL925001 Analyse data and report results
 - relevant MSL974000 series units of competency
 - relevant MSL975000 series units of competency
- Holistic assessment methods include:
 - review of verified records and reports generated by the candidate
 - feedback from supervisors and peers about the candidate's ability to monitor the quality of test results and data
 - questioning to assess understanding of trends in data, sources of uncertainty and preventative/corrective actions.
- Access is required to instruments, equipment, materials, workplace documentation, procedures and specifications associated with this unit, including, but not limited to:
 - workplace quality assurance procedures based on Australian and/or international standards, and workplace quality manuals and procedures
 - technical records of sampling and testing activities, and instrument calibration/performance records:
 - appropriate software
 - samples, sampling equipment and test equipment, instruments and materials.
- 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/>