



**Australian Government**

# **Assessment Requirements for MSL974008**

## **Capture and manage scientific images**

**Release: 1**

# Assessment Requirements for MSL974008 Capture and manage scientific images

## Modification History

Release 1. Supersedes and is equivalent to MSL974008A Capture and manage scientific images

## Performance Evidence

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

- capturing and delivering accurate and reproducible images of at least five (5) scientific subjects using a scientific approach and workplace procedures/protocols to ensure the integrity of the images
- creating and interpreting a brief
- selecting and applying an imaging technique that best meets the specifications and purpose of the job
- planning the job, including:
  - type of equipment, image and media used
  - site and conditions
  - preparation and positioning of the subject
  - technical requirements
  - back-up method
  - specifications of final product
- using a back-up system of image capture when shooting images
- producing consistent high quality, cost effective outcomes for clients
- keeping accurate records that allow future replication of images
- working safely and in an ethical manner consistent with legislation, regulations and codes of practice.

## Knowledge Evidence

Must provide evidence that demonstrates knowledge of:

- workplace policies and procedures for capturing and managing scientific images
- repercussions of manipulation of images and differences between adjustment and manipulation
- scientific approach and protocols to ensure integrity of images
- veracity of different types of storage media
- relevant copyright, moral rights and intellectual property (IP) issues and legislation
- relevant hazards, work health and safety (WHS) and environment 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:
  - MSL975015 Prepare animal and plant material for display
- Holistic assessment methods include:
  - review of portfolio of work completed by the candidate
  - feedback from clients and supervisor about the candidate's ability to produce consistent high quality, cost-effective outcomes
  - review of case studies that assess the candidate's approach to different subjects and use of a variety of imaging techniques
  - oral and/or written questions covering technical aspects and procedures used to capture and manage scientific images 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:
  - facilities, equipment (e.g. lighting, backdrops, camera systems and accessories) and materials required for image capture
  - workplace procedures, equipment manuals, industry catalogues and journals
  - job requirements, specifications and/or briefs, and records.
- 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**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5c63a03b-4a6b-4ae5-9560-1e3c5f462baa>