



Australian Government

**Assessment Requirements for POLFOR001
Apply specialised forensic science
techniques**

Release: 1

Assessment Requirements for POLFOR001 Apply specialised forensic science techniques

Modification History

Release	Comments
1	<p>These Assessment Requirements were released in POL Police Training Package release 1.0 and meet the Standards for Training Packages.</p> <ul style="list-style-type: none"> Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- assessing characteristics of biological and non-biological evidence
- identifying and applying advanced forensic techniques to examine evidence
- determining sequence of examinations
- identifying and applying enhancement techniques
- performing comparative analyses through the application of advanced forensic techniques
- recording information
- applying scientific methodology to support forensic analyses, logical thinking and problem solving within a crime/incident scene investigation
- demonstrating forensic photographic techniques to record results, including exposure, lighting, viewpoints and composition
- recording results in complex photographic situations, including macro, highly reflective or curved surfaces, low contrast and large scale low light circumstances, and multi-colour/multi contrast instances
- managing continuity of evidence
- using specialised forensic technology and equipment
- identifying, enhancing, recording, collecting and analysing evidence using various techniques
- gathering and collating information
- interpreting and evaluating information and opinions to inform the investigation

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- jurisdictional coronial and criminal legislation related to forensic investigation
- jurisdictional information management systems
- jurisdictional policies and procedures related to forensic investigations, including quality management systems, occupational/workplace health and safety, forensic photography and expert evidence
- fundamental principles of physics and how they are applied within a forensic environment (including mechanics and motion, forces, trajectory, electricity)
- fundamental principles of mathematics and how they are applied/calculated within a forensic environment (including trigonometry, triangulation)
- fundamental principles of chemistry (including behaviour of acids and bases, catalytic reactions)
- fundamental principles of biology (including molecular biology, cell structure function and replication, serology)
- human anatomy and physiology (including terminology, structural organisation, body systems, death processes and indicators)
- scientific methodology
- five stages of Disaster Victim Identification
- principles and definitions of comparative analysis (including pattern recognition, class and individual characteristics)
- advanced forensic techniques (including optical, physical and chemical enhancement)
- supporting scientific principles and operating principles of specialised forensic techniques
- limitations and sensitivity of presumptive/confirmatory tests
- illumination techniques (including visible, polarising, bright and dark field techniques)
- post-mortem medical process and procedures

Assessment Conditions

This unit contains no specific industry-mandated assessment conditions. Guidance on suggested and recommended conditions and methods can be found in the Implementation Guide.

This unit has been identified by industry as suitable for holistic assessment. Refer to advice in the Assessment Guide.

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

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=98c3984e-2cfl-48a8-8ed1-85e4b92e7351>

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