



Australian Government

Assessment Requirements for POLINV021

Critically analyse complex crash incident evidence

Release: 1

Assessment Requirements for POLINV021 Critically analyse complex crash incident evidence

Modification History

Release 1. This is the first release of this unit of competency in the POL Police Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- applying kinematic equations
- applying multiple analysis methodologies
- assessing crash evidence and prioritising avenues of inquiry
- calculating speed and dynamics of vehicle
- determining crash analysis methods
- evaluating evidentiary value
- identifying limitations of crash evidence
- undertaking crush damage analysis
- undertaking vehicle data analysis.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- crash analysis equipment and resources
- judicial practices and court policies on admissible evidence
- jurisdictional policies and procedures related to information gathering, recording and dissemination
- kinematics including:
 - acceleration
 - relative acceleration
 - relative velocity
 - time, displacement and velocity
- mathematics and physics for crash analysis including:
 - airborne motion
 - braking factors
 - circular motion
 - forces

- kinetic energy
- linear motion
- types of momentum
- vectors
- methodologies for analysing crash evidence
- methodologies for crash analysis
- organisational policies and procedures related to information safety and information and quality management
- organisational policies and procedures related to work, health and safety (WHS)
- types of crash evidence including:
 - digital/electronic
 - forensic
 - human
 - road
 - vehicle
- types of damage
- vehicle data analysis.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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.

Assessment must occur in workplace operational situations. Where this is not appropriate, such as in situations that can affect safety or occur only rarely, assessment can occur in simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides can be found on VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=98c3984e-2cf1-48a8-8ed1-85e4b92e7351>

