



Australian Government

Assessment Requirements for POLINV019 Analyse crashes involving pedestrians and bicycles

Release: 1

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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:

- analysing crashes involving bicycles
- analysing crashes involving pedestrians
- analysing human kinematics
- applying human evidence to a crash investigation
- applying specialist physics and mathematics calculations and principles relevant to pedestrian and bicycle crashes
- calculating speed and dynamics of vehicles
- collating and reviewing medical records of persons in a crash incident
- examining if human and environmental factors impact on crash incident
- inspecting and analysing bicycle and rider safety equipment features
- interpreting statements and interviews to corroborate 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:

- bicycle faults and defects impacting operations
- crash analysis methodologies
- environmental factors that may contribute to a pedestrian or bicycle crash incident including:
 - geographic location
 - hazards and obstructions
 - lighting
 - road design, safety features and maintenance
 - roadside furniture
 - weather conditions
- factors impacting human ability to operate a bicycle including:
 - distraction
 - experience

- fatigue
- impairment
- medical conditions
- features of a pedestrian including:
 - age
 - distraction or impairment
 - height
 - physical mobility
 - weight
 - medical information
- interview evaluation techniques
- jurisdictional regulations of bicycle road use
- road laws
- medical reports and injury reporting
- operational features of bicycles including:
 - balance
 - bicycle helmets
 - control
 - motion
 - safety equipment
 - steering
- organisational policies and procedures related work health and safety (WHS)
- pedestrian location and road use
- physics and mathematical formulas specific to pedestrian and bicycle crash impacts
- road evidence
- sources of electronic data.

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>