



Australian Government

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.

Application

This unit describes the skills and knowledge required to apply crash analysis methodologies specific to pedestrian and bicycle crash incidents. It includes analysing evidence already collected by police crash investigators as part of the crash investigation.

This unit applies to those working as police officers involved in vehicle crash analysis.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are undertaken. Organisational policies and procedures must be consulted and adhered to, particularly those related to work health and safety (WHS).

Those undertaking this unit would work autonomously while remaining responsible for reporting to senior staff. They would demonstrate the ability to perform highly complex analysis in changing and often unfamiliar contexts.

No licensing, legislative or certification requirements apply to unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Investigation.

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1 Examine features of a bicycle or pedestrian involved in crash incident | 1.1 | Identify bicycle parts for crash analysis |
| | 1.2 | Determine operational features of bicycle for crash analysis |
| | 1.3 | Assess bicycle rider safety equipment in crash incident to assess safety standard |
| | 1.4 | Identify pedestrian features to inform crash analysis |
| | 1.5 | Identify available sources of electronic data recordings to corroborate crash analysis |
| 2 Assess human and environmental factors in a pedestrian or bicycle crash incident | 2.1 | Assess medical and injury records to corroborate crash analysis |
| | 2.2 | Evaluate interviews and statements to corroborate evidentiary analysis and inform causal factors |
| | 2.3 | Interpret available electronic data to corroborate crash analysis |
| | 2.4 | Assess human action factors to determine effect on crash |
| | 2.5 | Assess environmental factors to determine effect on crash |
| 3 Apply specialist physics and mathematics to a pedestrian or bicycle crash | 3.1 | Identify and apply specialist analysis methodologies to pedestrian or bicycle crash analysis |
| | 3.2 | Analyse damage to correlate interaction of vehicles and pedestrians or bicycles |
| | 3.3 | Analyse human movement and interaction to sequence impacts and events during crash |
| | 3.4 | Examine road evidence to determine crash dynamics and speeds |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the POL Police Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This is a new unit. No equivalent unit.

Links

Companion Volume Implementation Guides can be found on VETNet - -

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