



Australian Government

POLINV023 Examine a crash incident

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 examine crash incidents in a road crash investigation environment. It includes applying methodologies to map or model the interaction of objects involved in a crash incident.

This unit applies to those working as police officers with responsibilities for investigating crash incidents beyond initial attendance and developing findings.

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

Those undertaking this unit would demonstrate strong autonomy, making independent decisions and accessing support from a broad range of services. They would be responsible for supervising crash investigations, providing guidance and assistance, and displaying leadership as part of routine crash investigation duties. They would perform complex tasks within familiar and/or unpredictable 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

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Evaluate a crash incident using physics and mathematical principles

- 1.1** Calculate object and vehicle dynamics using formulae applicable to crash investigation
- 1.2** Identify angles of interaction between objects and vehicles in a crash incident
- 1.3** Interpret tyre marks and road friction evidence to determine vehicle speed and braking distances
- 1.4** Examine electronic evidence to determine vehicle speed and crash dynamics
- 1.5** Analyse object and vehicle dynamics to validate mapping and modelling

2 Map a crash incident

- 2.1** Illustrate vehicle movement and interactions using computer software
- 2.2** Use computer software to develop a map of a crash incident
- 2.3** Validate measurements to confirm accuracy of map

3 Model a crash incident

- 3.1** Develop crash incident diagrams to depict interaction of objects and vehicles involved in crash
- 3.2** Represent a crash incident graphically using vectors
- 3.3** Use specialist software to generate crash models from crash evidence
- 3.4** Interpret outcomes of calculations, maps and models to determine crash dynamics

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>