



Australian Government

POLINV016 Analyse complex factors involved in crash incidents

Release: 1

POLINV016 Analyse complex factors involved in crash incidents

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 the underpinning and specific crash analysis methodologies which support police investigations into crash incidents. It provides the basis on which further specialist vehicle knowledge can be developed. It includes applying analysis methodologies to evidence collected by police crash investigators as part of crash analysis.

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

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Analyse systems and operations of crash incident vehicle

- 1.1** Inspect vehicle features to identify class and type
- 1.2** Classify operating features of vehicle to identify its configuration
- 1.3** Analyse vehicle's braking system and road evidence to determine braking efficiency
- 1.4** Analyse vehicle operational features and mechanical systems to verify functionality and condition
- 1.5** Analyse damage to correlate interaction of objects and vehicles during crash incident
- 1.6** Calculate vehicle mass distribution and vehicle dimensions to determine effect on vehicle operation

2 Analyse electronic vehicle evidence

- 2.1** Inspect electronic data recorder systems to assess evidentiary value
- 2.2** Review electronic data to facilitate analysis
- 2.3** Validate electronic data to assess viability for analysis
- 2.4** Calculate crash dynamics and speed using electronic evidence

3 Examine human and environmental factors

- 3.1** Assess medical records to establish if records corroborate crash analysis
- 3.2** Review interviews and statements to corroborate crash analysis
- 3.3** Evaluate interviews and statements to determine factors contributing to crash incident
- 3.4** Review driver information to assess experience and driving ability as factors of influence in crash incident
- 3.5** Determine effect of environmental factors on crash incident
- 3.6** Determine how human actions contributed to crash incident

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>