



Australian Government

DEFGEN009 Analyse causes and identify countermeasures for injuries in physical activities

Release: 1

DEFGEN009 Analyse causes and identify countermeasures for injuries in physical activities

Modification History

Release	Comments
1	This unit was released in DEF Defence Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to DEFCM003B Analyse causes and identify countermeasures for injuries in physical activities. • Unit code updated • Content and formatting updated to comply with new standards • All PC transitioned from passive to active voice

Application

This unit describes the skills required to establish the root cause/s of injuries occurring in physical activity, to develop countermeasures, to report the analysis, and to make recommendations to supervisors.

This unit was developed for Defence workers involved in analysing causes and identifying countermeasures for injuries in physical activities as a workplace responsibility, but may be relevant to others who work in this field.

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.

Those undertaking this unit would work independently or as part of a team, under direct supervision, while performing complex tasks, in a range of contexts. They must be able to use discretion and judgement and take responsibility for the quality of their outputs.

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

Competency Field

General

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Prepare for a causal analysis	1.1 Identify, obtain and assemble background documentation to collate all relevant facts and information that may guide and contribute to the causal analysis. 1.2 Identify relevant personnel and request them to provide input to the causal analysis. 1.3 Identify and assemble other relevant sources of information regarding injury causation. 1.4 Identify, specify and prepare methods and tools to be used in the analysis.
2. Identify the contributing factors involved in causing injury	2.1 Review relevant information sources to determine contributing factors typically involved in causing injury. 2.2 Observe activities and review if needed. 2.3 Conduct interviews with relevant personnel. 2.4 Review contexts in which the activities are commonly conducted. 2.5 Analyse components and aspects of activities which appear to be associated with greater risk of injury in detail. 2.6 Record data using organisational analytical tools in order to compile inputs to the analysis. 2.7 Determine, validate and record final list of contributing factors involved in injury causation by cross referencing results from all causal analysis activities.
3. Undertake a root cause analysis	3.1 Determine root causes of injury in the activity through further analysis of the final list of contributing factors in the light of contextual information. 3.2 Determine, validate and record list of root causes of injury.
4. Recommend countermeasures	4.1 Identify countermeasures where possible, for each root cause of injury, from available information and subject matter experts. 4.2 Develop countermeasures from first principles, in consultation with subject matter experts, where no proven countermeasure can be identified. 4.3 Prepare written and oral causal analysis report, including details of recommended countermeasures, and deliver to decision makers for consideration.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication					Numeracy N/A				

Performance variables

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to DEFCM003B Analyse causes and identify countermeasures for injuries in physical activities.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

Companion Volume implementation guides are found in VETNet -

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Assessment Requirements for DEFGEN009 Analyse causes and identify countermeasures for injuries in physical activities

Modification History

Release	Comments
1	These Assessment Requirements were released in DEF Defence Training Package release 1.0 and meet the Standards for Training Packages. Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- strong communication skills to elicit and convey information through:
 - listening
 - questioning
 - paraphrasing
 - clarifying
 - summarising
- seeking and analysing information
- preparing for a causal analysis
- identifying contributing factors involved in causing injury
- identifying root causes of injury
- recommending countermeasures
- identifying analysis tools and methods appropriate to the workplace
- identifying intervention points for advice to assist in work and to guide problem solving

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- causation models and definitions
- cause and effect diagrams
- data collection and management procedures

- format of a brief
- format of an oral presentation
- hierarchy of controls
- organisational policies, procedures and guidelines
- organisational structure and function
- safety risk and Haddon's Matrices

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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