



Australian Government

DEFTST004 Evaluate testing

Release: 2

DEFTST004 Evaluate testing

Modification History

Release 2. This is the second release of this unit of competency in the DEF Defence Training Package.

Release 1. This unit was released in DEF Defence Training Package Release 1.0 and meets the Standards for Training Packages.

Application

This unit describes the skills and knowledge required to evaluate the results of a testing process. It involves analysing data and solving complex problems where the information may not be obvious but can be determined by direct and logical reasoning.

This unit was developed for Defence test and evaluation workers but is applicable to any individuals 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 and indirect supervision, use discretion and judgement, and take responsibility for the quality of their output. They would perform complex tasks in a range of contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

Test and Evaluation.

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

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| 1 Assemble testing evidence | 1.1 Comply with test plan |
| | 1.2 Identify and access testing evidence |
| | 1.3 Determine evaluation criteria |
| | 1.4 Access testing evidence |
| | 1.5 Verify data relevance and accuracy |
| | 1.6 Rectify data errors |
| 2 Evaluate testing evidence | 2.1 Assess evidence against estimations and expectations in accordance with evaluation criteria |
| | 2.2 Identify trends in evidence and detail the significance of the trend |
| | 2.3 Conduct data comparisons to determine the validity of outcomes in accordance with evaluation criteria |
| | 2.4 Utilise management tools |
| | 2.5 Determine test outcomes in conjunction with stakeholders |
| 3 Record and report testing outcomes | 3.1 Record test outcomes and reasons for them |
| | 3.2 Maintain security and confidentiality of data in accordance with organisational policies and procedures |
| | 3.3 Report results to relevant personnel and maintain records |

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 DEF Defence Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to DEFTE004A Evaluate testing.

Links

Companion Volume Implementation Guides are found on VETNet -

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

Assessment Requirements for DEFTST004 Evaluate testing

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and include:

- analysing and evaluating test evidence
- detailing requirements, writing recommendations and monitoring plans requiring precision of expression
- using management tools suited to the conduct of testing processes.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- legislation, organisational policies and procedures that may impact on the test and evaluation process
- management tools suited to the conduct of testing processes
- principles relating to the evaluation of testing processes
- test and evaluation processes which may be reasonably complex in terms of scope; degree of risk; environmental, political, cultural and social factors that apply; consequences of failure and degree of control.

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 must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

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.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation, including legislation, regulations, codes of practice, workplace procedures and operation manuals
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry.

Links

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