



Australian Government

DEFTST003 Conduct testing processes

Release: 1

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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 DEFTE003A Conduct testing processes. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • PC 1.4 & 1.5 merged • Element 1 one new PC

Application

This unit describes the skills required to conduct a testing process. It includes managing the testing process, capturing data and adhering to the test plan.

This unit was developed for Defence test and evaluation workers, but is applicable to 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.

Competency Field

Testing

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 and conduct tests	1.1 Obtain and comply with test plan. 1.2 Brief stakeholders and test participants. 1.3 Check and initiate safety systems and procedures. 1.4 Commence test and evaluation activities. 1.5 Perform qualitative and quantitative tests to observe and to measure relevant critical parameters. 1.6 Collect and record test data.
2. Monitor testing processes	2.1 Monitor and amend test plans based on changing circumstances in consultation with team members, and include precise details for schedules of activities, milestones and resources. 2.2 Monitor systems throughout the process. 2.3 Identify risks and apply the risk management process. 2.4 Apply management tools throughout the process to achieve outcomes. 2.5 Compare data with standards, charts and tables in order to meet compliance with required specification or test specific requirements. 2.6 Check initial analyses against test plan procedures when non-standard results are obtained. 2.7 Recognise and manage contingencies.
3. Finalise testing processes	3.1 Evaluate testing process, equipment performance and achievement against objectives and report initial results. 3.2 Maintain security and confidentiality of data. 3.3 Debrief stakeholders and test participants. 3.4 Forward test data for analysis. 3.5 Review and amend management plans and any related contracts as appropriate. 3.6 Conduct review of objectives and achievement and prepare outcomes for test report.

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 NA					Reading					Writing					Oral communication					Numeracy				

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 DEFTE003A Conduct testing processes.

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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