



Australian Government

DEFSIM007 Conduct simulator performance evaluation

Release: 1

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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.

Application

This unit describes the knowledge and skills required to evaluate the operational performance of components and/or elements of a simulator. This includes identifying the performance evaluation requirement, conducting the operational performance evaluation, analysing the results, and the documentation and certification processes. In the context of this unit, simulators are used to replicate land, air, sea and undersea systems to facilitate training and development.

The simulator components include the complete simulator, power distribution and control systems, computers and peripheral hardware, image generator and visual display systems, motion and control loading systems, sound systems and weapons systems.

The simulator elements include subjective tests and credit sequences which affect the operational performance of the simulator.

The outcomes of the performance evaluation include immediate fault finding and repair, scheduling the simulator for routine maintenance or calibration of simulator systems.

This unit was developed in a Defence environment 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, with minimal supervision, while performing complex tasks, including complex problem solving, in a limited range of contexts. They would use discretion and judgement and take responsibility for the quality of their outputs.

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

Competency Field

Simulator Operations

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. Identify evaluation requirement	1.1 Identify the type of simulator evaluation to be undertaken. 1.2 Identify the components and/or elements to be evaluated. 1.3 Consult simulator documentation. 1.4 Identify evaluation parameters to be met. 1.5 Prepare simulator for performance evaluation.
2. Undertake performance evaluation	2.1 Conduct performance evaluation. 2.2 Collect and collate evaluation data.
3. Analyse performance results	3.1 Conduct analysis of performance data. 3.2 Identify performance abnormalities. 3.4 Identify cause of performance variations. 3.5 Determine remedial action if necessary.
4. Finalise performance evaluation process	4.1 Complete certification and other documentation for future application. 4.2 Report abnormalities as required.

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 N/A					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

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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

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