



Australian Government

DEFSIM021 Operate the simulator for testing purposes

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package Release 4.0.

Application

This unit describes the skills required to operate the simulator for testing purposes following maintenance. The unit includes identifying the testing requirement, conducting the test and 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.

Testing includes particular component tests or complete simulator operational tests. The simulator components include the complete simulator or, power control and distribution systems, computers and peripheral hardware, image generator and visual display systems, motion and control systems, sound systems and weapons systems.

The outcomes of the test include immediate fault finding and repair or scheduling the simulator for routine maintenance.

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 tasks, including 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.

Pre-requisite Unit

Not applicable.

Competency Field

Simulator Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify testing requirement

2 Undertake simulator tests

3 Complete the test sequence

PERFORMANCE CRITERIA

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

1.1 Identify and confirm the type of simulator testing to be undertaken

1.2 Identify the components to be tested

1.3 Consult simulator documentation for serviceability and access

1.4 Identify test parameters to be met

2.1 Prepare simulator for testing

2.2 Conduct specified tests

2.3 Act on and report monitoring systems warnings and alarms

2.4 Collect and analyse test data

2.5 Identify performance abnormalities

2.6 Determine remedial action if necessary

3.1 Complete certification and other documentation for future application

3.2 Report results as required

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to DEFSIM009 Operate the simulator for testing purposes

Links

Companion Volume Implementation Guides are found on VETNet -

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